Missouri University of Science and Technology

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Minutes & Agendas   Faculty Senate

01 Jan 2006

Faculty Senate Minutes 2005 - 2006

Missouri University of Science and Technology Faculty Senate

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PUBLIC OCCASIONS DATES FOR 2005-2006

Fall Semester:

Fall Career Fair	Thursday, September 22, 2005
Homecoming	Friday & Saturday, Sept 30 & Oct 1, 2005
Rolla Night at the Engineer's Club of St. Louis	Thursday, October 6, 2005
Student Council Free Day	Friday, October 7, 2005
Fall Open House I	Saturday, October 15, 2005
Family Day	Saturday, November 5, 2005
Fall Open House II	Saturday, November 12, 2005
Commencement*	Saturday, December 17, 2005

Spring Semester

Spring Career Fair	Wednesday, February 8, 2006
Spring Open House I (President's Day)	Monday, February 20, 2006
Spring Open House II (Good Friday)	Friday, March 24, 2006
Commencement*	Saturday, May 13, 2006

*Previously established as part of the 2005-2006 calendar

FALL SEMESTER 2006

Open Registration Ends	August 17, Thursday
International Student Orientation	August 8, Tuesday
Fall Semester opens 8:00 a.m.	August 13, Sunday
Freshman Orientation Begins	August 13, Sunday
Transfer Student Orientation	August 16, Wednesday
Classwork begins 8:00 a.m.	August 21, Monday
Labor Day Holiday	September 4, Monday
Mid-Semester	October 14, Saturday
Thanksgiving vacation begins 8:00 a.m.	November 22, Wednesday
Thanksgiving vacation ends 8:00 a.m.	November 27, Monday
Last Class Day	December 8, Friday
Reading Day	December 9, Saturday
Final Examinations begin 8:00 a.m.	December 11, Monday
Final Examinations end 6:00 p.m.	December 15, Friday
Fall Semester closes 6:00 p.m.	December 15, Friday
December Commencement	December 16, Saturday

SPRING SEMESTER 2007

Open Registration Ends	January 11, Thursday
International Student Orientation	January 9, Tuesday
Martin Luther King Jr. Recognition Holiday	January 15, Monday
Spring Semester opens 8:00 a.m.	January 16, Tuesday
Classwork begins 8:00 a.m.	January 16, Tuesday
Mid-Semester	March 10, Saturday
Spring Recess begins 8:00 a.m.	March 15, Thursday
Spring Recess ends 8:00 a.m.	March 19, Monday
Spring Break begins 8:00 a.m.	March 25, Sunday
Spring Break ends 8:00 a.m.	April 2, Monday
Last Class Day	May 11, Friday
Reading Day	May 12, Saturday
Final Examinations begin 8:00 a.m.	May 14, Monday
Final Examinations end 6:00 p.m.	May 18, Friday
Spring Semester closes 6:00 p.m.	May 18, Friday
May Commencement	May 19, Saturday

*SUMMER SESSION 2007

Open Registration Ends	June 8, Friday
Summer Session opens 8:00 a.m.	June 11, Monday
Classwork begins 8:00 a.m.	June 11, Monday
Independence Day Holiday (observed)	July 4, Wednesday
Final Examinations begin 8:00 a.m.	August 2, Thursday
Final Examinations end 12:30 p.m.	August 3, Friday
Summer Session closes 12:30 p.m.	August 3, Friday

* Schedule shows regular eight-week Summer Session. Other special courses may be scheduled.

CLASS SESSIONS (EXCLUDING FINAL EXAMINATIONS)

	M	TU	W	TH	F	S
Fall Semester	15	16	15	15	15	15
Spring Semester	15	16	16	15	15	15
Summer Semester	8	8	7	7	7	7

The faculty is reminded of the religious and other holidays that a substantial number of students may wish to observe.

Volume XXXVI, Number 8
Minutes of the Academic Council Meeting
June 22, 2006

I. Call to Order, Roll, and Approval of Minutes

The meeting was called to order at 13:30 by President-Elect Schwartz and roll was taken. The following absentees were noted: Carney, Dekock, Hines, Herade, Wilkerson, Bohner, Hale, Schultz, Mullin, Lea, Hall, Dunn-Norman, Atekwana, Worsey, Book, Luna, Belarbi, Myers, Nystrom, Balakrishnan, Issac, Tsai. The following substitutions were noted: Collier for Shah, Hammerlie for Lutz, VanAken for Crow, and Murphy for Robinson.

The agenda was amended to (i) delay the Chancellor's report and (ii) to add a report on gaming from Student Affairs. The meeting minutes from March 9, 2006 were **approved** as submitted.

II. Reports and Responses

A. President's Report – Robert Schwartz

News from IFC: The UM System wishes to have consistent leave policies in place across the campuses. Mr. Garner discussed the role of economic development in faculty activities and stated that it would not be a fourth criteria for evaluation.

News from the Board of Curators' Meeting – Benefit issues and post-retirement benefits.

B. Chancellor's Report – John Carney III

No report.

C. Provost's Report – H. L. Collier for Y. T. Shah

In the Fall 06, over 924 freshmen are expected to attend UMR. The self-study for the higher education accreditation has a campus committee and preliminary work is underway. The academic alert system is being used and is an important part of helping students succeed.

III. REPORTS OF STANDING AND SPECIAL COMMITTEES

A. Curricula Committee – Schwartz for Nisbett

The written report of 05.02.06 was referenced relative to:

7 program curriculum changes (DC) that were **approved** by voice vote.

6 course changes (CC) that were **approved** by voice vote.

17 experimental courses (EC) were noted. (These do not require AC approval.)

B. Public Occasions - Schwartz for Morton

It was **voted** to list the Fall Career Fair Day as Thursday, Sept 28, 2006 (not Thursday the 27th) and to change the Spring Career Fair Day to Tuesday, February 20, 2007.

C. Student Affairs Committee – S. Fitch

Student Affairs distributed a written response to the gaming referral. The committee recommended that no action would be taken on this issue. AC **voted** to **accept** the report.

The organizations listed in the agenda have been disbanded due to lack of activity.

AC **voted** to approve the Constitutions and Bylaws for the following student groups: Volleyball Club; ACM-W; Actuarial Science Club; Yoga Club; Delta Sigma Phi; Epsilon Mu

Eta; Material Advantage; UMR Baja SAE; Natural Path; National Sand, Stone, & Gravel Association; Saudi Student Association; Society for Exploration Geophysicists; Table Tennis; SCRUBS.

D. Facilities Planning - Woelk

A list of clicker ready classrooms to be ready for F2006 include: 201 HSS, 120, 125, 315 Civil, 124, 130 McNutt, 104 Physics, G3, 126, 139, 140, 321 Schrenk, 213 UCE, and UCTC. Managing the classrooms and maintenance are issues that need to be addressed in greater detail.

IV. Old Business

A. Academic Freedom and Standards – Haynes

Instructor drop for unsatisfactory work – The Committee is likely to deliver a recommendation for this item in September. The situation (especially the financial situation for students) has changed significantly since this rule was originally implemented.

[A recess of approximately 10 minutes was taken to wait for Chancellor Carney who was hosting visitors.]

V. New Business and Announcements

A. Staff Council – L. Morton
No report.

B. Student Council – L. Huchingson
No Report – Lauren is on an internship and will report at the next meeting.

C. Council of Graduate Students –A. Sibley
Some of the new initiatives they are taking include taking more definitive stances (written resolutions) on campus issues and the development of a more cohesive graduate community.

D. Referrals
No new referrals were added (see attached for list of referrals and actionable items).

The meeting was adjourned at approximately 14.20.

Respectfully Submitted,

Frank Blum
Secretary

*   Minutes of the Academic Council are considered official notification and documentation of actions approved.

Referrals (Actionable items in red)

Referral	Referred to	Status (C-Completed, IP – In Progress)
Review of the Instructor Drop Policy	Academic Freedom/Standards	IP – Report to AC (4/20/06); follow-up report expected in September
Higher Learning Commission Accreditation	Ad Hoc Committee	IP - Committee formed and meeting
Faculty/Staff Headcounts and Demographics	Budgetary Affairs	IP
Mid-Semester Assessment	Personnel	C - Report to AC (2/23/06)
Salary Survey	Personnel	C - Report to AC (2/23/06)
Use of End-of-Semester Evaluations	Personnel	IP – Report to AC (2/23/06) AC accepted a report that indicated no action. Other groups seem to be attempting to implement some kind of evaluation w/o AC approval.
Non-Tenure Track Faculty Report from IFC	Personnel	IP - to review document and guidelines prepared by IFC at http://www.umsystem.edu/ums/departments/aa/faculty/nontenure.shtml
Career Fair Day	Public Occasions	IP - Committee asked to consider Student Council resolution that exams not be scheduled on Career Fair Day
Gaming	Student Affairs	C- Report to AC (6/22/06)
Voting Rights of Faculty in Non-Primary Departments	Tenure	C - Report to AC (2/23/06)
Role of Economic Development in the T&P Process	Tenure	C - Report to AC (2/23/06)
Composition of the Campus P&T committee	Tenure	IP

Actionable Items (Actionable items in red)

Action	Administrative Action	Implementation
AC Officers meet with Chancellor on a Regular Basis (RP&A - 11/10/05)	Approved	Ongoing (monthly meetings)
AC President - Report at General Faculty Meetings (RP&A - Fall 05)	Approved	Fall 05 General Faculty Meeting and Ongoing
Voting (Non-Primary Department Members) on T&P (AC 2/23/06)	Sent to Provost (4/20/06)	Pending
Poll Faculty on Administrative Restructuring (AC 3/9/06)	None required	Completed (RP&A) - Results/comments reported (3/06)
Revision of Student Academic Regulations- V. Absences (AC 4/20/06)	To be sent to Provost	Pending

April 21:
- *Non-Tenure Track Faculty* – Discussion on this topic continued at the April meeting. The draft document has been forwarded to all four campuses. Each campus reported on the status of the review of the document on their campus. On our campus, the Personnel committee has completed their review of the document. The goal is to have comments from the campuses back to the IFC at the first meeting in the Fall.
- *Program Assessments and Audits* – There was discussion regarding the resumption of program audits in the Fall of 2006.
- *Campus Report* – I reported on the Board of Curators visit to UMR and the upcoming transition to the new administrative structure that was announced.
- *President Floyd's Report* – A new Vice President for Information Technology at the system level will not be appointed but a Chief Information Officer for the University of Missouri system will be hired in the future. Work continues on administrative streamlining.

May 17:
- *Post-Tenure Review* – Post-tenure review implementation is under consideration. A letter has been forwarded from the Academic Affairs office in Columbia to the Provosts of each of the campuses regarding this topic. The five year clock for this new policy has now been reached. Unsatisfactory assessments will start a developmental review process. The performance of all tenured faculty members is to be reviewed each five years.
- *Administrative Streamlining* – A report was given by David Russell on the preliminary plans of all the campuses to implement the mandatory 10% reduction in administrative costs.
- *Leave Policy* – The Parental Leave policies will be reviewed by the IFC in the context of sabbatical, research and developmental leave. There needs to be consistency in policy among the campuses and local units. Past discussions in this area have stressed the need for the policy to be implemented with flexibility, collegiality, and fairness. Currently, no formal policy exists for parental leave (for faculty) that is consistent with FEMLA requirements.
- *Intercollegiate Athletics* – A handout on Athletics Department Governance from the MU Intercollegiate Athletics Committee was distributed. The presentation to the Board of Curators on this topic was reviewed, which emphasized the "student" in student-athlete and the role of faculty in program oversight.
- *Economic Development Activities by Faculty* – VP Gardner discussed (as he did on the UMR campus), that he does not want to add "economic development" to the official faculty workload components of teaching, research, and service. New tech-transfer software has been implemented at the system level to standardize recognition of faculty contributions in this area.

- *Discussion and Update on Legislative Session* – VP Knorr reported on the continuing efforts of Governor Blunt to have the MOHELA Board directly fund capital projects.
- *Tuition Benefit for Dependents* – The possibility of earlier vesting of tuition benefits for dependents of UM employees was discussed.
- *Review of Board Presentation on Retirement and Health Benefits* – See below.
- *Campus Report (R. Wilkerson)* – Reported on the review of the Instructor Drop policy by the Academic Council. Reported on the Non-tenure track faculty document review.
- *President Floyd's Report* – Requested that the IFC subcommittee develop a comprehensive leave policy for faculty that should include parental leave.

Board of Curators Meeting   **UMSL Campus, May 4 and 5, 2006**

The Board of Curators meeting was held on the UMSL campus on May 4 and 5. Key aspects of the meeting included:
- VP Hutchinson presented a report on retirement and post-retirement health benefits to UM employees. Questions from the Board focused on policy-related issues. A key aspect of the presentation was the comparison that was presented between the current hybrid Defined Benefits plan versus options of equivalent Defined Contribution plans. Comparisons of the UM system plan to those of other academic institutions were also made.

Open Referrals
- Academic Freedom and Standards – Review of the Instructor Drop Policy
    - o The committee is considering this issue following the vote at the last Academic Council meeting. A report on the Instructor Drop Policy will be given by the committee at the September meeting.
- Ad Hoc Committee – Higher Learning Commission Accreditation
    - o This committee is meeting on a weekly basis and is also known as the Self-Study Committee. Work will continue on accreditation until the visit, which will likely occur in either Fall 2008 or Spring 2009.
- Budgetary Affairs – Faculty/Staff Headcounts and Demographics
    - o The Budgetary Affairs committee has been asked to review the above topic.
- Personnel Committee – Four referrals:
    - o Use of End-of-Semester Evaluations
        - ▪ The committee has not yet completed its review of this topic.
    - o Non-Tenure Track Faculty
        - ▪ The committee has completed its review of this document and the results have been forwarded to the AC President.
- Public Occasions – Career Fair Day
    - o The committee has been asked to consider a resolution from Student Council that exams not be scheduled on Career Fair day.
- Student Affairs – Gaming
    - o The committee will report on this issue at the June Academic Council meeting.

University of Missouri Intercampus Faculty Council

University of Missouri
309 University Hall
Columbia, MO 65211

MEMBERS, 2005-2006

Rex Campbell
Rural Sociology
UM-Columbia

William Lamberson
Animal Science
UM-Columbia

Frank Schmidt
Biochemistry
UM-Columbia

Gary Ebersole
History
UM-Kansas City

Nancy Stancel
Law Library
UM-Kansas City

Jakob Waterborg
Biological Sciences
UM-Kansas City

Kosbar
Electrical & Computer Engineering
UM-Rolla

Robert Schwartz (co-chair)
Materials Science & Engineering
UM-Rolla

Ralph Wilkerson (co-chair)
Computer Science
UM-Rolla

Paul Speck
Business
UM-St. Louis

Teresa Thiel
Biology
UM-St. Louis

Richard Wright
Criminology & Criminal Justice
UM-St. Louis

March 17, 2006

Dear Campus Community:

Non-tenure track faculty have assumed an important and ever-expanding role at the University of Missouri. The University of Missouri Intercampus Faculty Council (IFC) and the chief academic officers recently reviewed policies and procedures for non-tenure track faculty with the goal of making them more responsive to the needs of the University and this important and diverse community of scholars.
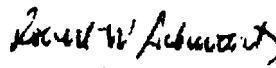
The IFC developed a best practices paper in cooperation with the campus chief academic officers, the UM Office of the Senior Vice President for Academic Affairs, and the UM Office of the Vice President for Human Resources. The document is being introduced on each campus to elicit a discussion of the guidelines for the employment of non-tenure track faculty. The chief academic officers will work with a representative group of faculty and administrators to carefully consider the recommendations and provide feedback for a final version of this document. After careful scrutiny and approval b y each campus, the revised framework of recommended best practices will serve as the guiding principles for implementing policies regarding non-tenure track faculty. For example, one outcome could be a reduction in the wide variety of titles being used often for similar duties and to provide more uniformity in titles.

The creation of specific policies and practices, which would be consistent with the framework of recommended best practices, should be developed at the college or school level with active faculty and administrator involvement and approval by the provost. Because of the diversity among the missions and programs both among and within the campuses, there must be considerable flexibility in the final recommended policies. The IFC has set a goal to complete the college/school guidelines for implementation by January of 2007. We do not expect the recommendations to affect current policies and practices that govern tenured and tenure track faculty or part-time faculty as described in the Collected Rules and Regulations for the University of Missouri.

Attached are copies of the recommended best practices for non-tenure track (NTT) faculty at the University of Missouri, a summary report of conversations with NTT faculty, and a recent report that includes a faculty profile. These documents are intended to provide a starting point for the discussions on each campus regarding NTT faculty. We look forward to working together to recognize the significant contributions of NTT faculty in University policies and practices.

Sincerely,

Ralph Wilkerson
IFC Co-Chair

Robert Schwartz
IFC Co-Chair

Stephen Lehmkuhle
Senior Vice President
for Academic Affairs

Attachments

c: President Elson S. Floyd
Chancellors
Provosts

John F. Carney III
Academic Council
June 22, 2006

♦ Political candidate forum on 6/22/06

♦ University advancement trips to Detroit, Tulsa, and Albuquerque

♦ MOHELA

♦ Strategic Plan

♦ Budgetary Issues

UMR

ACADEMIC COUNCIL REPORT

Y. T. SHAH
PROVOST AND
EXECUTIVE VICE CHANCELLOR

June 21, 2006

ENROLLMENT MANAGEMENT

UMR

UMR - Enrollment Management Services
WEEKLY ENROLLMENT REPORT

			Fall 2001 (PS Conv) 6/8/2001	Fall 2002 (PS) 6/8/2002	Fall 2003 (PS) 6/8/2003	Fall 2004 (PS) 6/8/2004	Fall 2005 (PS) 6/8/2005	Fall 2006 (PS) 6/8/2006
FRESHMEN	Prospects	Beg. Fr. Prospects	42816	65126	42305	24051	15730	***
		HS Jr. Prospects	10704	10296	18588	14749	7031	6186
	Inquiries	Beg. Fr. Inquiries	9071	13416	11035	9829	10419	11188
		HS Jr. Inquiries	939	7679	6581	6185	6391	6108
	Applications		1774	1919	1818	1850	1930	2114
		Pending	128	59	60	51	85	102
		Withdrawn Apps	22	24	14	6	1	12
	Admitted		1565	1729	1677	1707	1769	1887
		Cancelled Admits	177	425	212	472	380	232
		Denied	59	107	67	86	75	113
	Enrolled		0	552	558	*577	**	746
TRANSFERS	Inquiries		625	646	629	818	706	999
	Applications		384	400	390	366	366	421
		Pending	126	113	73	74	82	116
		Withdrawn Apps	3	0	0	7	5	16
	Admitted		245	277	306	272	270	281
		Cancelled Admits	3	6	6	9	1	5
		Denied	10	10	11	13	9	8
	Enrolled		0	120	175	*102	**	134
GRADUATES	Inquiries		4406	3316	2355	1241	1347	1777
	Applications		2232	3156	2448	1237	1196	1566
		Pending	706	917	635	246	150	188
		Withdrawn Apps	6	30	20	7	7	11
	Admitted		1073	1551	1129	610	662	806
		Cancelled Admits	0	0	0	0	0	0
		Denied	447	658	664	374	377	561
	Enrolled		0	57	64	*32	**	46
ORIENTATION	Freshmen	Total Reservations	596	793	855	840	876	978
	Transfer	Total Reservations	N/A	N/A	80	107	61	98
HOUSING AGREEMENTS		Upperclassmen	643	613	661	*687	*769	750
		Beginning Freshmen	482	697	747	*714	*875	956
		New Transfers	0	N/A	N/A	N/A	N/A	N/A
		Waivers	N/A	N/A	N/A	N/A	N/A	N/A
		TOTAL	1,125	1,310	1,408	1,401	1,644	1,706
4TH WEEK CENSUS		Beginning Freshmen	715	815	897	877	914	
		New Transfers	231	261	281	288	312	
		Graduates	395	423	348	402	355	
		TOTAL	1,341	1,499	1,526	1,567	1,581	

Unofficial Internal Planning Data - not intended for public release.

PS Conv - PeopleSoft conversion data
PS - data from PeopleSoft system
*Enrolled and Housing numbers as of June 1st
**Issues with Census Enroll from 5-27 thru 6-15-2005
***Currently working on EOS data loads

UMR

UMR

	FR M	FR F	SO M	SO F	JR M	JR F	SR M	SR F	TOTAL UG	MAST M	MAST F	DOCT M	DOCT F	TOTAL GRAD	TOTAL MALE	TOTAL FEMALE	TOTAL	YEAR AGO
ROLLA CAMPUS																		
A&S UND	1	0	1	0	5	0	0	0	7	0	0	0	0	0	7	0	7	14
BIO SC	2	2	1	3	2	3	2	7	22	2	9	0	0	11	9	24	33	45
CHEM	2	1	0	2	3	2	1	3	14	5	4	23	19	51	34	31	65	60
CP SC	1	0	2	1	9	0	17	2	32	14	3	9	4	30	52	10	62	68
ENGL	1	0	0	0	0	2	1	6	10	0	0	0	0	0	2	8	10	14
HIST	0	0	2	1	2	1	7	3	16	0	0	0	0	0	11	5	16	16
MATH	0	0	0	1	1	0	3	2	7	2	2	7	3	14	13	8	21	30
PHIL	0	0	0	0	1	0	1	1	3	0	0	0	0	0	2	1	3	0
PHYS	2	1	1	0	0	1	3	0	8	5	0	4	4	13	15	6	21	24
PSYCH	1	0	1	3	0	5	4	5	19	0	0	0	0	0	6	13	19	25
TECH COM	0	0	0	0	0	0	0	1	1	0	1	0	0	1	0	2	2	1
A&S	10	4	8	11	23	14	39	30	139	28	19	43	30	120	151	108	259	297
AERO E	0	0	2	1	9	4	10	2	28	10	1	1	1	13	32	9	41	29
ARCH E	0	0	0	0	8	4	8	4	24	0	0	0	0	0	16	8	24	24
CHEM E	0	0	1	0	11	7	17	10	46	4	6	12	6	28	45	29	74	48
CIV E	0	0	0	0	7	3	19	3	32	8	5	10	9	32	44	20	64	70
COMP E	0	0	1	0	9	0	23	1	34	16	3	5	3	27	54	7	61	54
ELEC E	1	0	3	0	16	3	43	3	69	44	9	39	6	98	146	21	167	133
E MGT	0	0	1	0	7	6	15	4	33	18	3	7	5	33	48	18	66	70
E MECH	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1
ENGR UND	0	0	1	0	2	0	1	0	4	1	0	0	0	1	5	0	5	5
ENVR E	0	0	0	1	1	1	2	2	7	4	2	0	0	6	7	6	13	16
IDE	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0
MANF E	0	0	0	0	0	0	0	0	0	9	1	0	0	10	9	1	10	16
MECH E	1	0	5	1	26	2	67	9	111	37	5	24	4	70	160	21	181	176
SYS E	0	0	0	0	0	0	0	0	0	6	3	0	0	9	6	3	9	4
FR ENGR	49	23	28	6	13	3	3	0	125	0	0	0	0	0	93	32	125	92
ENGR	51	23	42	9	109	33	209	38	514	157	38	99	34	328	667	175	842	738
BUS&MS	1	1	3	4	1	4	8	8	30	0	0	0	0	0	13	17	30	21
ECON	0	0	0	1	1	1	0	1	4	0	0	0	0	0	1	3	4	3
IS&T	0	2	1	0	1	1	4	1	10	13	3	0	0	16	19	7	26	30
ERP	0	0	0	0	0	0	0	0	0	1	1	0	0	2	1	1	2	1
M&IS UND	0	0	2	0	1	1	1	0	5	0	0	0	0	0	4	1	5	6
M&IS	1	3	6	5	4	7	13	10	49	14	4	0	0	18	38	29	67	61
CER E	1	0	1	1	2	3	4	4	16	1	2	13	3	19	22	13	35	33
GEOL E	0	0	1	0	2	0	5	3	11	1	0	5	1	7	14	4	18	14
GEO & GP	0	0	1	0	2	2	6	4	15	4	2	7	3	16	20	11	31	38
MET E	0	0	2	0	4	3	4	2	15	9	0	6	1	16	25	6	31	40
Mat S E	0	0	0	0	0	0	0	0	0	6	5	3	2	16	9	7	16	0
M&M UND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIN E	0	0	1	0	2	0	4	0	7	1	0	4	2	7	12	2	14	22
NUCL E	0	0	1	0	3	2	12	0	18	4	1	2	0	7	22	3	25	26
PETR E	0	0	1	0	3	0	0	1	5	1	0	1	0	2	6	1	7	6
FR ENGR	7	3	2	4	1	0	1	0	18	0	0	0	0	0	11	7	18	11
M&M	8	3	10	5	19	10	36	14	105	27	10	41	12	90	141	54	195	190
NON DG	4	9	1	0	0	0	1	0	15	0	0	0	0	0	6	9	15	18
CAMPUS TOTAL	74	42	67	30	155	64	298	92	822	226	71	183	76	556	1003	375	1378	1304
EXTENDED LEARNING																		
AERO E	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	1
CIV E	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	10
COMP E	0	0	0	0	0	0	0	0	0	2	1	0	0	3	2	1	3	0
CP SC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELEC E	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	1
E MGT	0	0	0	0	0	0	0	0	0	23	5	5	0	33	28	5	33	61
E MECH	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	3
GEOL E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GEO & GP	0	0	0	0	0	0	0	0	0	8	1	1	0	10	9	1	10	12
IS&T	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	0
MANF E	0	0	0	0	0	0	0	0	0	2	0	0	0	2	2	0	2	2
MECH E	0	0	0	0	0	0	0	0	0	6	1	1	0	8	7	1	8	7
MIN E	0	0	0	0	0	0	0	0	0	5	2	0	0	7	5	2	7	4
SYS E	0	0	0	0	0	0	0	0	0	54	17	0	0	71	54	17	71	56
NON DG	6	14	0	0	0	0	0	0	20	1	1	0	0	2	7	15	22	44
DISTANCE TOTAL	6	14	0	0	0	0	0	0	20	106	28	7	0	141	119	42	161	
UMR TOTAL	80	56	67	30	155	64	298	92	842	332	99	190	76	697	1122	417	153	

NOTE: 151 CO-OP students are included in the campus total   122 included one year ago
         19 CDIS students are included in the distance total   41 included one year ago
         23 EEC students are included in distance total   21 included one year ago

UNIVERSITY OF MISSOURI-ROLLA

2004	Total # Students Registered	Total # Invitations Sent	2005	Total # Students Registered	Total # Invitations Sent	2006	Total # Students Registered	Total # Invitations Sent
Jan 9	248	1406	Jan 7	235	1364	Jan 6	281	1540
Jan 16	284	1424	Jan 14	281	1437	Jan 13	325	1542
Jan 23	317	1438	Jan 21	319	1485	Jan 20	350	1614
Jan 30	358	1480	Jan 28	355	1501	Jan 27	393	1646
Reminder Cards (1123)				Reminder Cards (1123)			Reminder Cards (1219)	
Feb 6	395	1480	Feb 4	421	1544	Feb 3	441	1656
Feb 13	445	1549	Feb 11	479	1575	Feb 10	485	1656
Feb 20	460	1549	Feb 18	535	1617	Feb 17	513	1724
Feb 27	505	1569	Feb 25	585	1626	Feb 24	543	1753
Mar 5	550	1586	Mar 4	621	1639	Mar 3	596	1771
Mar 12	580	1600	Mar 11	659	1670	Mar 10	657	1771
Mar 19	605	1617	Mar 18	684	1677	Mar 17	699	1812
Mar 26	639	1617	Mar 25	696	1677	Mar 24	732	1817
Reminder Cards (922)				Reminder Cards (981)			Reminder Cards (908)	
April 2	663	1617	April 1	719	1694	Mar 31	772	1824
April 9	689	1664	April 8	743	1694	April 7	803	1824
April 16	713	1674	April 15	772	1719	April 14	855	1833
April 23	729	1700	April 22	785	1736	April 21	866	1833
April 30	749	1700	April 29	801	1736	April 28	908	1835
May 7	772	1757	May 6	834	1736	May 5	941	1835
Reminder Cards (582)				Reminder Cards (865)				
May 14	781	1757	May 13	842	1750	May 12	946	1863
							Reminder Cards (766)	
May 21	807	1768	May 20	857	1750	May 19	958	1879
May 28	823	1768	May 27	867	1750	May 26	966	
June 4	832	1798	June 3	873	1765	June 2	972	
June 11	849	1827	June 10	876	1766	June 9	978	
June 18	849	1847	June 17	876	1776	June 16		

UNDERGRADUATE AND GRADUATE STUDIES

UMR Self Study

- During the 2008-09 academic year, UMR will undergo an institution-wide accreditation review.
- UMR has maintained institutional accreditation by the Higher Learning Commission of the North Central Association of Colleges and Schools since 1913.
- UMR was last reviewed in 1998 and received re-accreditation for ten years.
- The Office of Undergraduate & Graduate Studies is directing the campus-wide reaccreditation self-study.
- Vice Provost Harvest Collier has composed a cross-University team to assist in steering the self-study process.

Self Study Steering Committee

Chair:

- Dr. Harvest L. Collier, Vice Provost
  Office of Undergraduate & Graduate Studies

Members:

- Dr. Ralph E. Flori Jr., Interdisciplinary Engineering
- Amy M. Gillman, Office of Undergraduate & Graduate Studies
- Jay Goff, Enrollment Management
- Dr. Larry Gragg, History & Political Science
- Eddie Grover-Bisker, Office of Undergraduate & Graduate Studies
- Emily Petersen, Office of Institutional Research
- Jinny Ryle, Office of the Provost
- Dr. Lee W. Saperstein, Mining & Nuclear Engineering
- Dr. Robert W. Schwartz, Materials Science & Engineering
- Dr. Henry Wiebe, School of Extended Learning
- Laura Stoll, Registrar's Office

UMR

Re-accreditation Review Subcommittees

1. **Criterion One: Mission and Integrity-**
    Dr. Lee Saperstein & Laura Stoll

2. **Criterion Two: Preparing for the Future-**
    Dr. Ralph Flori & Jay Goff

3. **Criterion Three: Student Learning and Effective Teaching-** Dr. Larry Gragg & Amy Gillman

4. **Criterion Four: Acquisition, Discovery, and Application of Knowledge-**
    Dr. Bob Schwartz & Jinny Ryle

5. **Criterion Five: Engagement and Service-**
    Dr. Henry Wiebe & Emily Petersen

Self Study Timeline

- The accreditation process now requires evidence-based reporting linked to assessment and a demonstration that assessment outcomes are used for continual improvement.

- Over the **next two years**, all UMR departments will be asked to provide documentation of evidence-based reporting centered on the Higher Learning Commission Criteria (HLCC) for Accreditation.

- Examples will be collected from each unit beginning in **Fall 2006** with the final report completed by **Fall 2008**.

- The process of re-accreditation will culminate in a visit by an external team of reviewer/consultants in **Spring 2009**.

Academic Alert System

- 855 Academic alerts issued-2005/06
- The majority of alerts are issued in Freshman Engineering
- Academic Alert improves communication between:

Student	⬌	Instructor
Student	⬌	Advisor
Advisor	⬌	Instructor
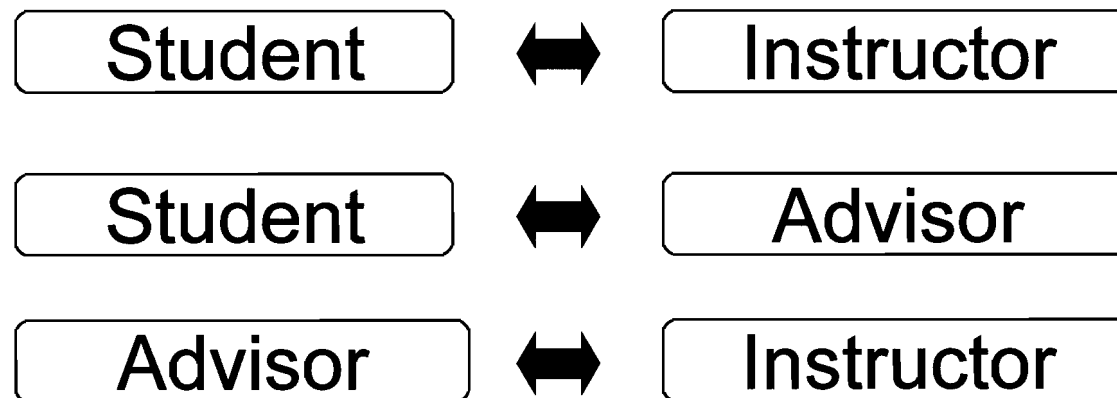
Academic Alert System-
Planned Improvements

- Approx. 20% of instructors are using the system.

- The majority of alerts are not closed out, therefore it is difficult to assess the benefit to the student.

Improve ways to monitor the benefit to the students.

Improve internal awareness of Academic Alert.

Improve mechanism for closing academic alerts.

Undergraduate Research-OURE

UMR

 # Projects Funded

Bar chart showing # Projects Funded by year:
- 2003: 62 (% completed)
- 2004: 98 (% completed)
- 2005: 130 (% completed)
- 2006: 140
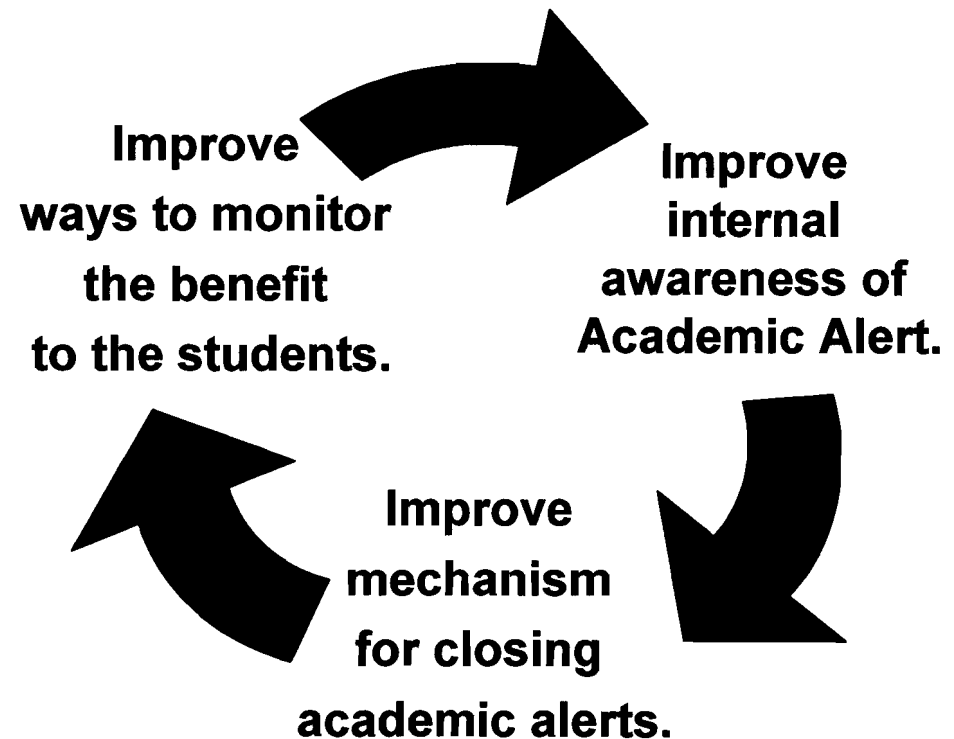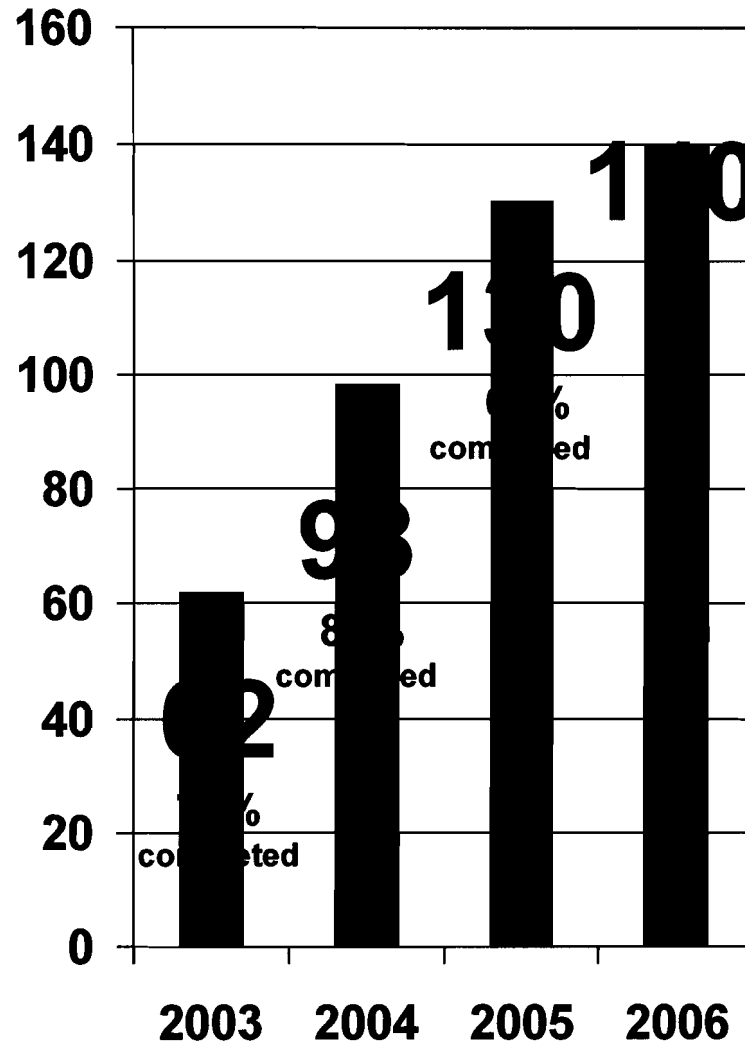
Hit the Ground Running

HGR provides:

- Insight on real expectations.
- An opportunity to learn to study.
- An opportunity to meet and make new friends before school starts in the fall.
- A great introduction to college life at UMR.

- HGR is July 5-28, 2006

- 82+ students currently enrolled for 2006.

UMR Service Learning Program

2005/06 Successes:

1. Established a UMR Service Learning Advisory Committee;

2. Defined *Academic Service Learning* for the UMR campus;

3. Established *Guidelines for Academic Service Learning at UMR;*

4. Identified UMR courses that offer service opportunities;

5. Developed a campus service learning web site; &

6. Drafted a *Letter of Understanding and Statement of Service Needs* for UMR and its community partners.

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UMR Service Learning Program

Planned Initiatives:

1. Develop a clearinghouse of service partners and service-based projects.
2. Formalize the process for establishing academic service learning courses.
3. Expand service learning guidance materials for faculty.
4. Continue raising awareness about the value of service learning at UMR.

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Technology in the Classroom

- **June 12-13, 2006:**
  CERTI and IT are conducting a Clicker Training/Workshop for UMR faculty.

- This session is designed to provide both new and experienced users a venue to ask and answer questions regarding the best practices for clickers, alternative pedagogical applications of clickers, & advanced features of TurningPoint.

Voyager Learning Community

Our 2006/07 Academic Mentors:

1. Hannah Bruce
2. Stephanie Kline
3. Bradley Tissi

- Currently accepting applications for the Voyager Learning Community.
- Enrollment numbers will be provided in August.

SCHOOL OF EXTENDED LEARNING

School of Extended Learning

The student credit hours for on-line classes continues to show steady growth as illustrated in the graph below.

Student Credit Hours

School of Extended Learning

UMR
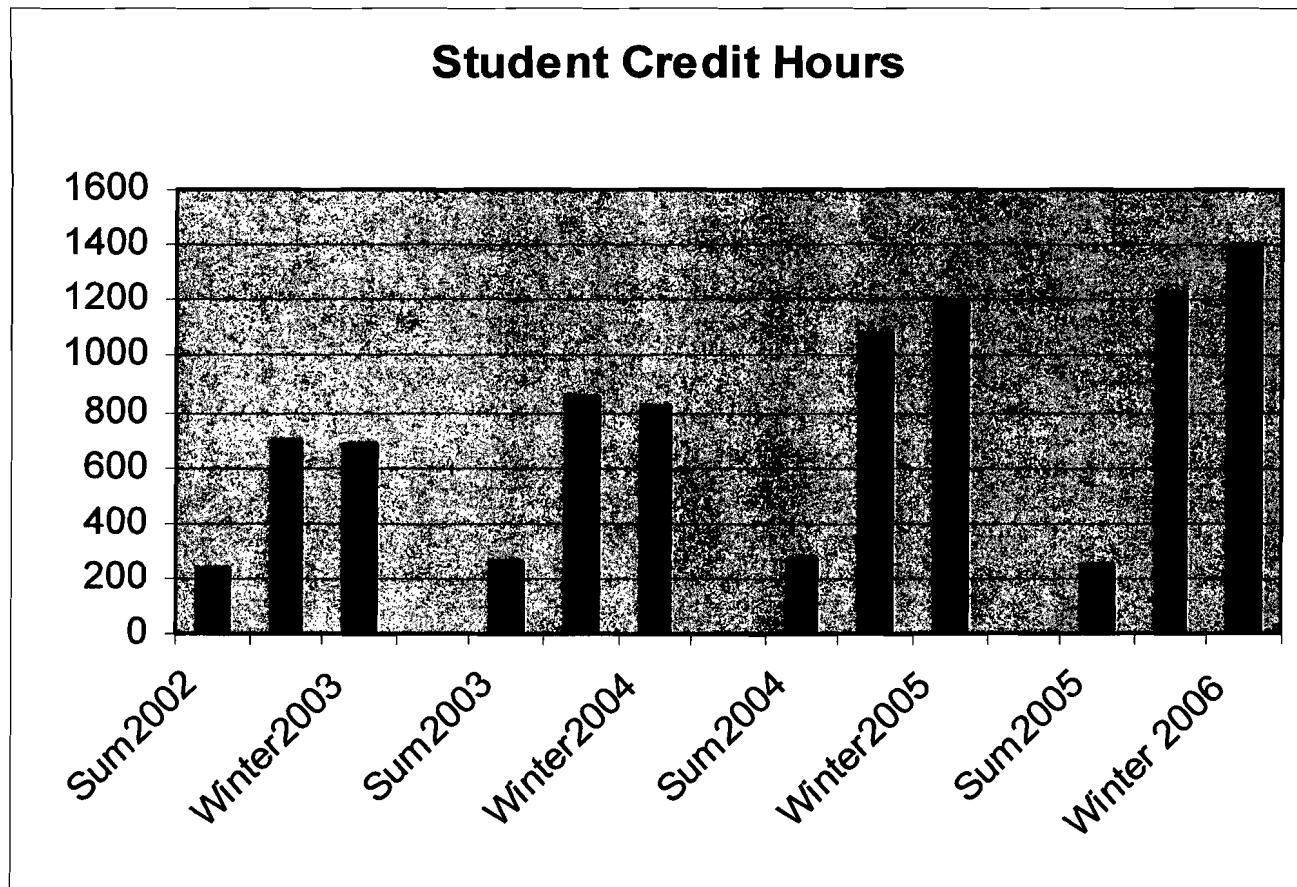
The most recent degree program to be added to UMR's list of available degrees is the Master's degree in Computer Science. This addition brings the total number of degrees available over the internet to nine as listed below.

- **Civil Engineering**

- **Computer Science**

- **Engineering Management**

- **Geotechnics**

- **Information Science and Technology**

- **Manufacturing Engineering**

- **Mechanical Engineering**

- **Mining Engineering**

- **Systems Engineering**

UMR

School of Extended Learning

Graduate Certificate Programs currently available:

- CAD/CAM & Rapid Product Realization
  Contemporary Structural Engineering
  Electric Machines and Drives
  Electric Power Systems Engineering
  Engineering Mechanics
  Enterprise Resource Planning
  Geoenvironmental Engineering
  Geotechnical Earthquake Engineering
  Human-Computer Interaction
  Infrastructure Renewal
  Manufacturing Systems
  Military Construction Management
  Multimedia & Information Systems
  Network Centric Systems
  Project Engineering and Construction Management
  Project Management
  Psychology of Leadership
  Software Design & Development
  Systems Engineering
  Wireless Networks and Mobile Systems

School of Extended Learning

Upcoming NSF Conference

Distance and Continuing Education is working with Dr. Ming Leu to support NSF's Design, Service and Manufacturing Grantee and Research Conference. The conference will be held July 24-27 at the Adams Mark Hotel in St. Louis. As of June 13, there are 468 registered attendees with more coming in every day. In addition, the conference currently lists close to 400 technical papers and has over 400 poster sessions scheduled. Professional tours are scheduled for Boeing, Anheuser Busch, Monsanto, MEMC and Emerson.

Jackling Intro to Engineering

UMR's Jackling Intro to Engineering summer program has proven to be exceedingly popular. The sessions have been expanded to handle up to 150 students. All sessions are full with a waiting list of additional students wanting to attend.

School of Extended Learning

The downward trend in international enrollment seems to have been reversed. Across the nation, schools experienced an 11% increase during this past year. UMR is experiencing an even greater increase as reflected in the chart below.

New International Student Enrolled Winter Semesters
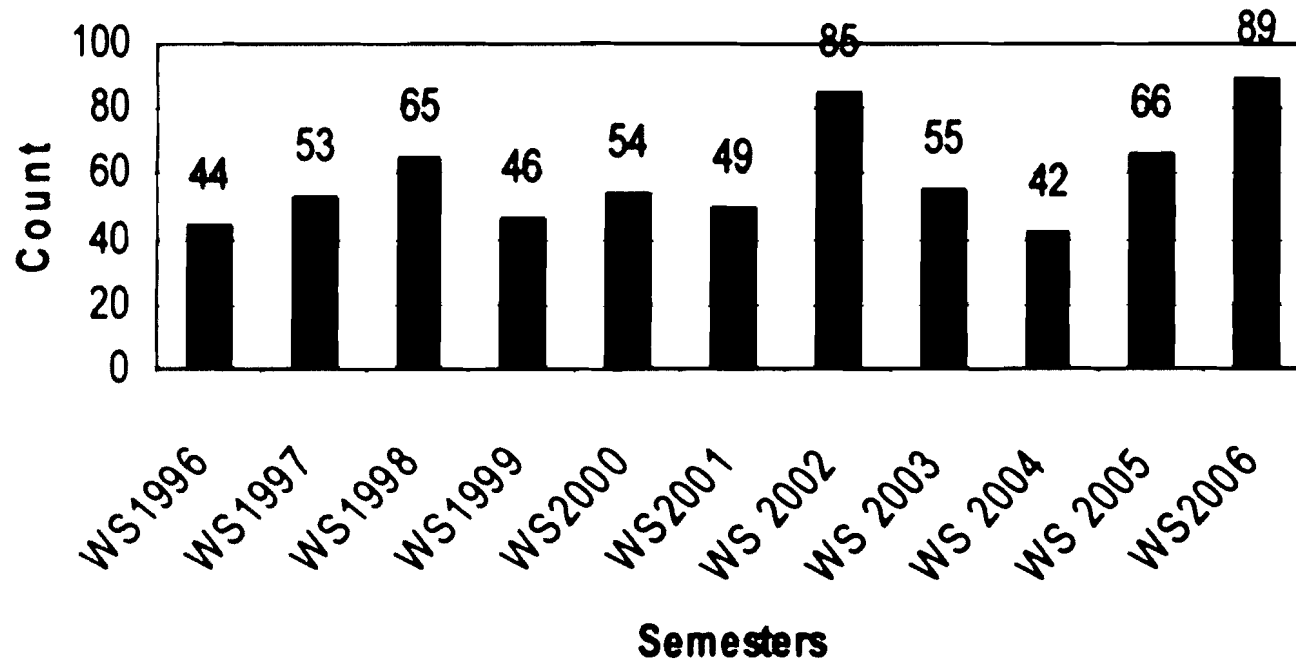
INFORMATION TECHNOLOGY

UMR Information Technology

UMR ranked among the nation's '25 most connected campuses' by the *Princeton Review* and Forbes.com
UMR received CIO Magazine's "CIO 100" award for 2006.

Applications/Enterprise Reporting
- Office of Admissions website
  - » Went live on May 31, 2006
- Planning & design progressing for Research Repository
  - » Showcase & market UMR Research to internal and external research communities
- Planning moving forward for upgrade to Blackboard version 7

Networks and Computing
- 100 Mbps ultra fast network connection now live to Fort Leonard Wood
- Network file storage system
  - » Currently in beta testing
  - » Initial campus cutover in two parts
    - – Will affect ever member of the campus community
    - – July 14-16 – Department and Web volumes
    - – July 21-24 – User Accounts
- Voice-Over IP Telephony Project
  - » Over **950** VoIP phones deployed
  - » Regional Professional Development Center deployment completed
  - » Harris Hall deployment completed
  - » Schrenk Hall scheduled for conversion late June 2006

Solutions Center
- Desktop Enhancement
  - » FY2006 over 66% complete with 207 machines deployed
- Technology Classrooms
  - » 60% of centrally scheduled classrooms will be outfitted with a standard technology package to support multimedia teaching needs during the Fall Semester 2006. The remaining 40% will be completed by the Fall Semester 2007.
- Planning progressing for Enterprise Helpdesk Consolidation Initiative

Project Management
- Personal Response System (Clicker project) expansion
- Expansion will include approximately **9** disciplines, **20** faculty members and **1,800** students
- Student Information Network/Campus Information Network (SIN/CIN) pilot
  - » Various campus locations will be equipped with multimedia equipment that will allow for the dissemination of student centric information. (Want to know what's happening on campus next week? SIN/CIN will keep you informed.)

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Memo To: Academic Council
From: UMR Campus Curriculum Committee Meeting
RE: May 2, 2006 Meeting

The UMR Campus Curricula Committee recommends to the Academic Council that the curriculum changes and degree proposals on the following DC forms be approved.

Approved DC forms:
DC 0190, College of Arts & Sciences, Computer Science, approved effective Fall 2006. For the MS in Computer Science degree, delete emphasis area, Computer Systems and Language, and create a new emphasis area called, Critical Infrastructure Protection.

DC 0191, College of Arts & Sciences, Computer Science, approved effective Fall 2006. For the MS in Computer Science degree, delete emphasis area, Computer Organization.

DC 0192, College of Arts & Sciences, Computer Science, approved effective Fall 2006. For the MS in Computer Science degree, delete emphasis area, Numerical Analysis.

DC 0193, College of Arts & Sciences, Computer Science, approved effective Fall 2006. For the MS in Computer Science degree, delete emphasis area, Operations Research.

DC 0195, College of Arts & Sciences, Computer Science, approved effective Fall 2006. For the MS in Computer Science degree, create a new emphasis area called Software Engineering.

DC 0196, College of Arts & Sciences, Computer Science, approved effective Fall 2006. For the MS in Computer Science degree, delete emphasis area, Information Systems and create a new emphasis area called Bioinformatics.

DC 0198, College of Arts and Sciences, Mathematics and Statistics, approved effective Fall 2006. A proposal to modify the requirements for the Math Minor by adding (9 hours of which must be completed in residence at UMR, and passing all of them with at least a grade of "C").

The UMR Campus Curricula Committee recommends to the Academic Council that the course changes on the following CC forms be approved.

Approved CC forms:
CC 7048, Computer Science 306, Software Engineering I. The following change is approved effective Fall 2006.
Course Number – Proposed: 206

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CC 7049, Math 337, Finance 337, Financial Mathematics. New course approved effective Fall 2006.
Catalog Description: The course objective is to provide an understanding of the fundamental concepts of financial mathematics. Topics include pricing, assets-liability management, capital budgeting, valuing cash flow, bonds, futures, swaps, options. Preparation for the financial mathematics actuarial exam will be provided.
Credit Hours: 3 hour lecture
Prerequisites: Math 15 or Math 21, Econ 221 or Econ 222 or Econ 250 or Econ 321, Stat 211 or Stat 213 or Stat 215 or Stat 217 or Stat 343

CC 7050, Statistics 325, Introduction to Biostatistics. New course approved effective Sp2007.
Catalog Description: Introduction to common biostatistical methods for designing research studies, collecting and analyzing data, with application to problems originating from the biological, environmental, and health sciences. Topics include randomization, means comparisons, ANOVA, regression, and analysis of count data.
Credit Hours: Lecture: 3 Lab: 1 Total: 4
Prerequisites: Math 04 or equivalent

CC 7054, Mathematics 322, Vector and Tensor Analysis. The following change is approved effective Fall 2006.
Prerequisites – Present: Math 22
            Proposed: Math 22; Math 203 or Math 208

CC 7056, Computer Engineering 367, Electrical Engineering 367, Computational Intelligence. The following changes are approved effective Fall 2006.
Course Number – Proposed: 358 (Computer Engineering course only)
Catalog Description: Introduction to Computational Intelligence (CI), Biological and Artificial Neuron, Neural Networks, Evolutionary Computing, Swarm Intelligence, Artificial Immune Systems, Fuzzy Systems, & Hybrid Systems. CI application case studies covered include digital systems, control, power systems, forecasting and time-series predictions.
Credit Hours: 3 hour lecture
Prerequisites: Statistics 217

CC 7057, Computer Engineering 457, Mechanical Engineering 447, Aerospace Engineering 457, Engineering Management 457, Computer Science 457, Markov Decision Processes. New course approved effective Fall 2007.
Catalog Description: Introduction to Markov Decision Processes and Dynamic Programming. Application to Inventory Control and other optimization and control topics.

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Credit Hours: 3 hour lecture
Prerequisites: Graduate standing in background of probability or statistics

For the information of the Academic Council, the following EC forms have been submitted by the University departments for an experimental course that will be offered in the near future.

Approved EC forms:
EC 1800, Chemistry 401, Organometallic Chemistry, approved effective Spring 2007.
Course Description: This course will cover the use of transition metal in organic
    synthesis with particular emphasis placed on issues of selectivity (regioselectivity
    and stereoselectivity).
Credit Hours: 3 hour lecture
Prerequisites: None

EC 1801, Art 101, Small Relief & Sculpture, approved effective Spring 2007.
Course Description: This course is an exploration of 3-Dimensional art in both design
    and construction. Clay, plaster and other media will be used to create relief and
    sculptural pieces. Principles and elements of design, weight, mass and tension will
    be applied to achieve content.
Credit Hours: 3 hour lab
Prerequisites: Consent of Instructor

EC 1804, Biological Sciences 301, Neurobiology, approved effective Spring 2007.
Course Description: The biology of nerve cells, particularly neurons as the substrate for
    higher brain functions. Topics include the electrical properties of cells, synaptic
    transmission, neural development, neural plasticity, and neuropharmacology.
Credit Hours: 3 hour lecture
Prerequisites: Biological Sciences 211

EC 1805, IST 301, Math 301, Financial Information Systems, approved effective Fall
2007.
Course Description: The focus is rapid development of basic quantitative finance models
    using spreadsheet technology. Particular topics include portfolio modeling and
    optimization, asset pricing, performance measures, options, Black-Scholes formula,
    implied volatility, interest rate models, bonds, and binomial trees.
Credit Hours: 3 hour lecture
Prerequisites: Programming Competency

EC 1806, IST 401, Math 401, Object-Oriented Financial Software, approved effective
Spring 2007.
Course Description: The focus is objected-oriented design and development of
    quantitative finance software for derivative pricing. Particular topics include design

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patterns, templates, and inheritance, asset modeling, derivative theory, interest rate models, Monte Carlo methods, binomial trees, and finite difference methods.
Credit Hours: 3 hour lecture
Prerequisites: (Financial Information Systems (IST 301) or Financial Mathematics (Math 301) or CS 328); and Object-Oriented Programming Competency

EC 1807, Math 401, Finance 401, Financial Mathematics II, approved effective Fall 2006.
Course Description: Continuation of Math/Fin 337. Topics include stochastic calculus, martingales and measures, numerical procedures, interest rate futures, discrete and continuous time finance.
Credit Hours: 3 hour lecture
Prerequisites: Math 337 or Fin 337

EC 1810, Statistics 301, Physics 301, Science Education & Quantitative Literacy for Middle School, approved effective Summer 2006.
Course Description: An integrated science-mathematics course for middle school teachers. Course covers selected science/mathematics topics/skills specified in Missouri standards for grades 6-8. Inquiry-based methods of teaching these topics in an integrated manner will be emphasized.
Credit Hours: 3 hour lecture
Prerequisites: One of Stat 305, Stat 306, Stat 307, Phy 302, Phy 303

EC 1811, IDE 401, Function-Based Risk Analysis, approved effective Fall 2006.
Course Description: Risk analysis of products and systems will be explored using product functionality as the starting point. Traditional probabilistic risk assessment techniques will be covered along with recent approaches that use historical data to produce automatic risk assessments.
Credit Hours: 3 hour lecture
Prerequisites: IDE 420 or ME 461; and graduate standing

EC 1812, Computer Engineering 401, Electrical Engineering 401, Systems Engineering 401, Wireless Adhoc and Sensor Networks, approved effective Fall 2006.
Course Description: Introduction to adhoc and sensor networks, IEEE standards, heterogeneity, quality-of-service, wireless channel issues, energy awareness, power and topology control, routing, scheduling, rate adaptation, self-organization, admission and flow control, energy harvesting, security and trust levels, hardware and applications.
Credit Hours: 3 hour lecture
Prerequisites: Cp Eng 301 (wireless networks), or Cp Eng 349 or equivalent

EC 1813, Computer Science 401, Advanced Topics in Wireless Networking, approved effective Fall 2006.

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Course Description: This course introduces the fundamentals and recent advances in the field of wireless networking. Coverage includes cellular networks, ad hoc networks, and wireless LANs with a focus on network operation. Special topics selected from the literature such as wireless security and sensor networks will also be addressed. Students are expected to finish a research project on a selected topic.
Credit Hours: 3 hour lecture
Prerequisites: Cmp Sc 285 or equivalent, and graduate standing

EC 1814, Finance 201, Investments I, approved effective Fall 2006.
Course Description: This is an introductory course in investments. The objective of this course is to introduce students to the fundamental elements of investment analysis. At the conclusion students should independently understand the basic valuation techniques and use these techniques to make investment decisions.
Credit Hours: 3 hour lecture
Prerequisites: Econ 121 or Econ 122

EC 1815, Engineering Management 201, Economic Analysis of Engineering Projects, approved effective Fall 2006.
Course Description: This course covers engineering project analysis from an engineering economics perspective. Topics will include: interest, equivalent worth, comparing alternative, rate of return methods, depreciation and taxes, inflation and price changes, and benefit-cost analysis.
Credit Hours: 2 hour lecture
Prerequisites: None

EC 1816, Mechanical Engineering 301, Computer Engineering 301, Electrical Engineering 301, Aerospace Engineering 301, Mechatronics, approved effective Fall 2006.
Course Description: This course will introduce the student to the basics of mechatronics (i.e., the integration of mechanical, electrical, computer, and control systems). Topics include sensors and actuators for mechanical systems, computer interfacing, microcontrollers, real-time software, and digital control. Laboratory exercises will augment lecture material and students will build an entire mechatronic system.
Credit Hours: Lecture: 2 Lab: 1 Total: 3
Prerequisites: ME 279 or EE 231 or AE 261

EC 1817, Chemical Engineering 301, MSE 301, Introduction to Nanomaterials, approved effective Fall 2006.
Course Description: Introduction of the fundamentals of nanomaterials and recent developments on nanomaterials. Topics include physical and chemical properties, synthesis, processing, and applications of nanomaterials. Example nanomaterials include nanoparticles, nanotubes, and nanowires.
Credit Hours: 3 hour lecture

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Prerequisites: Ch Eng 145, or Mt Eng 125, or Chem 3

EC 1818, Chemical Engineering 401, MSE 401, Nanomaterials, approved effective Fall 2006.

Course Description: Introduction of the fundamentals of nanomaterials and recent developments on nanomaterials. Topics include physical and chemical properties, synthesis, processing, and applications of nanomaterials. Example nanomaterials include nanoparticles, nanotubes, and nonowires. Students will need to complete a project related to nanomaterials.

Credit Hours: 3 hour lecture

Prerequisites: Graduate Standing

EC 1819, Chemical Engineering 301, Introduction to Molecular Simulation , approved effective Fall 2006.

Course Description: This special topics course deals with the application of molecular-level computer simulation in various engineering and science fields. Topics include molecularly based approaches, potential energy functions, Monte Carlo and molecular dynamics methodologies, static and dynamic properties of systems ranging from simple and complex fluids, to interfaces, to nanoscopic and biological assemblies.

Credit Hours: 3 hour lecture

Prerequisites: Ch Eng 247

EC 1820, Chemical Engineering 401, Molecular Simulation in Engineering and Science, approved Fall 2006.

Course Description: This special topics course deals with the application of molecular-level computer simulation in various engineering and science fields. Topics include molecularly based approaches, potential energy functions, Monte Carlo and molecular dynamics methodologies, static and dynamic properties of systems ranging from simple and complex fluids, to interfaces, to nanoscopic and biological assemblies. Students will complete an independent project.

Credit Hours: 3 hour lecture

Prerequisites: Ch Eng 247, graduate standing

J. Keith Nisbett, Chair
UMR Campus Curricula Committee

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32nd Annual American Association for Affirmative Action National Conference

April 25th – 29th, 2006
Tampa, Florida
July 2, 2005
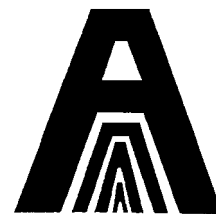
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Shirley J. Wilcher, J.D.
Executive Director
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Suite 800, Office
Washington, DC 2006
301-203-6498
s.j.wilcher@att.net

L-Soft International, Inc.
8100 Corporate Drive, Suite 350
Landover, MD 20785

Reference: L-Soft Mailing List Renewal for American Association for
            Affirmative

Dear Company Representative:

I have enclosed Check #1020 for $186.75 to renew of the Ease Home list as per Ms Tami Thompson's July 5, 2005 E-message to Shirley Wilcher (see enclosed copy of E-messages exchange). I wish to thank you for informing Ms Wilcher, our new Executive Director, that payment was due within 30-days of the E-notice.

If you have any questions related to this communiqué, you may contact me or Ms Wilcher as noted in the left margin.

Sincerely,

L. C. George

Enclosures – 2

c: S. J. Wilcher (w/o encl.)
   Files (w/copies of encl.)

/lcg

AMERICAN ASSOC. FOR AFFIRMATIVE ACTION 80-370/815 2011135501   **1020**
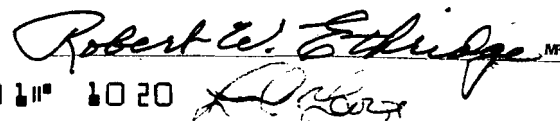
DATE 7/6/05

PAY TO THE ORDER OF L-Soft International, Inc. $ 186.75

One-handred eighty-six and 75/100   DOLLARS

Town & Country Bank www.tcbanks.com
Rolla, MO 65401

MEMO Acct Name: AAAA (See enclosed E-Correspondence)

Robert W. Ethridge

⑆081503704⑆ 2011135501⑈ 1020

George, Lawrence C.

From: s.j.wilcher@att.net
Sent: Tuesday, July 05, 2005 12:15 PM
To: George, Lawrence C.
Subject: FW: Re: CHECK REQUEST L-Soft PAYMENT DUE $186.75

FYI
--
Shirley J. Wilcher

> -------------- Forwarded Message: --------------
> From: tamit@lsoft.com
> To: s.j.wilcher@att.net
> Subject: Re: L-Soft mailing list renewal notice.
> Date: Tue, 5 Jul 2005 14:18:49 +0000
>
>
> You have been added
>
> > Thanks, Tami! I will forward your email to the appropriate people.
> > Do you know if they fixed the other problem regarding adding me as
> a
> > moderator? -- Shirley J. Wilcher
> >
> >
> > -------------- Original message from "Tami Thompson"
> > : --------------
> >
> >
> > > Dear Shirely Wilcher,
> > >
> > > This is Tami Thompson at L-Soft International Inc.
> > > The reason I am contacting you is to let you know that your EASE
> > > Home list is up for renewal. Please let us know as soon as
> possible
> > > what you would like to do concerning your list(s). Payment-related
> > > responses should be directed to
> accounting@spider.ease.lsoft.com.
> > > List administration questions or responses should be directed to
> > > lsoft-admin@home.ease.lsoft.com. If you will be sending your
> > > payment, you can make payment payable and send to:
> > >
> > > L-Soft International, Inc.
> > > 8100 Corporate Drive, Suite 350
> > > Landover, MD 20785
> > >
> > > ***
> > > The cost for your renewal is $186.75

7/6/2005

> > (See lists below.)
> > **
> >
> >
> > ******* Important Payment Information: Please Read
> > **************************
> >
> > You will have 30 days from the day that this notice is sent to issue
> > payment for your list(s). If you do not pay within this time frame,
> > your list(s) will be placed on 'HOLD' until payment is received.
> > Lists are only placed on 'HOLD' for 30 days. After 30 days of being
> > placed on 'HOLD', your list(s) will be DELETED from our server,
> > causing you to have to submit a new order if you wish to run the
> > list again.
> >
> > If you are paying by check, please include the list name.
> >
> > Thank you, and we look forward to hearing from you soon.
> >
> >
> >
> > EASE-HOME Accounting EASE-HOME List Administration
> > L-Soft international, Inc L-Soft international, Inc
> > accounting@spider.ease.lsoft.com lsoft-
admin@home.ease.lsoft.com
> >
> >
> > ******* Additional Information
> > ***
> >
> > Charge: $186.75
> > Invoiced: Jul 01, 2005
> > List(s):
> > AAAA ($186.75)
> >
> >
> > Fri, 01 Jul 2005 13:00:48 -0400 (EDT)
> >
> > ***
> > *********

****
Knowledge is just a click away:
hhtp://www.lsoft.com/optin.html

7/6/2005

Volume XXXVI, Number 7
Minutes of the Academic Council Meeting
April 20, 2006

I. Call to Order, Roll, and Approval of Minutes

The meeting was called to order at 13.30 by President Schwartz and roll was taken.
Absentees noted: Balakrishnan, Book, Crow, Lea, Mullin, Nystrom, Tsai.
Substitutions noted: Shah for Carney, Gragg for Fogg, Myers for Luna.

The minutes of the January 23, 3006 minutes were **amended** to indicate Belarbi as present.
The meeting minutes of February 23, 2006, and March 9, 2006 (special meeting) were **approved** as submitted.

II. Reports and Responses

A. President (R. Schwartz) (Re: Written report w/Agenda)

An updated copy of the President's report is on line via the AC web page. Administrative review, non-tenure track faculty and the Bearden bill (capping tuition) are major topics for Interfaculty Council (IFC) review. At their recent meeting, the Curators increased tuition for next year by 5% along with the addition of supplementary fees. The AC hosted breakfast for the Curators was well received by them.

B. Chancellor (Y. T. Shaw for J. Carney III)

There were 21 tenure/promotion cases approved by the Provost and Chancellor with 5 denied. Sales related to the assets of MOHELA are on track to provide partial funding for the Mechanical Engineering Building. The UM System is now reviewing non-tenure track faculty appointments, with special emphasis on teaching faculty.

C. Provost (Y. T. Shah) (Re: Written report w/Agenda)

Enrollment is looking good with 900-1000 new students planned for next year. This creates some issues about how to handle these numbers that the cabinet is working on. Research funding is now 10% ahead of last year because of some delay in plus-up funding. Proposal submissions are down over last year. An undergraduate research meeting was held and outstanding advisors named. OURE is currently oversubscribed relative to funding. The honors academy is going well as is extended learning. The new technology classroom is being actively used.

There were some questions and discussion on the nature of the non-tenure track appointments.

II. Reports of Standing and Special Committees

A. Curricula (K. Nisbett) (Re: written reports w/Agenda)

(i) 9 Degree Change (DC) forms were **approved** as submitted with two DC forms, DC184 and DC184 (Interdisciplinary Engineering graduate degrees), **approved contingent on** approval by the Graduate Faculty (i.e. if Graduate Faculty approves, then AC approves). Budgetary affairs supported approval of the new graduate degrees.
(ii) 35 Course Change (CC) forms were **approved** as submitted.
(iii) 25 Experimental Course (EC) forms were **noted** by Council.

B. Academic Freedom and Standards (W. L. Haynes) (Re: Written report w/Agenda)
Motion 1 (V. **Absences**, see Appendix 1A for Committee Motion) was made by the Committee. An amendment to drop the proposed section B (Instructor Drop Provision, see Appendix 1B) was made, and seconded, but **failed** by show of hands. AC **voted to accept Motion 1** by voice vote.

Motion 2 (IX. A. **Students Dropped by Instructors**, See Appendix 2A for Committee Motion) was made by the Committee and the motion **failed** by voice vote.

A quorum call was made with the following result.
Present: (25) Haynes, Huang, Blum, Wilkerson, Gragg (for Fogg), Bohner, Samaranayake, Schulz, Martin, Park, Hall, Dunn-Norman, Smith, Schwartz, Worsey, Acar, Kosbar, Hubing, Myers, Stone, Isaac, Shah, Lutz, Mitchell, Dekock.
Absent: (19) Hines, Herdade, Woelk, Cheng, Cotterill, Mullin, Hale, Lea, Atekwana, Book, Fitch, Myers (for Luna), Belarbi, Nystrom, Balakrishnan, Tsai, Carney, Crow, Robinson.

The meeting was adjourned at 15:08 for lack of a quorum.

Respectfully submitted,

Frank D. Blum, Secretary, Academic Council

* Minutes of the Academic Council are considered official notification and documentation of actions approved. [*Note: Approved by AC: x.xx.xx.*]

The following agenda items were not addressed at the meeting before adjournment.

II. Reports of Standing and Special Committees (con't)
    C. Student Affairs (S. Fitch) (Re: Written reports w/Agenda)
        1. Revocation of Recognition for Inactive Student Groups
        2. UMR Baja SAE Constitution
        3. Table Tennis Constitution
        4. Yoga Fitness Club Constitution

III. Old Business
None

IV. New Business and Announcements
    A. Staff Council (L.A. Morton)
    B. Student Council (N. Mundis)
    C. Council of Graduate Students (P. Shil)

V. Referrals

Referral	Referred to	Status (C-Completed, IP – In Progress)
Review of the Instructor Drop Policy	Academic Freedom/Standards	IP – Report to AC (4/20/06)
Higher Learning Commission Accreditation	Ad Hoc Committee	IP - Committee meeting weekly. Several members attended Higher Learning Commission workshop in Chicago (4/1/06)
Faculty/Staff Headcounts and Demographics	Budgetary Affairs	IP
Mid-Semester Assessment	Personnel	C - Report to AC (2/23/06)
Salary Survey	Personnel	C - Report to AC (2/23/06)
Use of End-of-Semester Evaluations	Personnel	IP
Non-Tenure Track Faculty Report from IFC	Personnel	IP - to review document and guidelines prepared by IFC at http://www.umsystem.edu/ ums/departments/aa/faculty/nontenure.shtml
Career Fair Day	Public Occasions	IP - Committee asked to consider Student Council resolution that exams not be scheduled on Career Fair day
Gaming	Student Affairs	In progress - Report in April
Voting Rights of Faculty in Non-Primary Departments	Tenure	C - Report to AC (2/23/06)
Role of Economic Development in the Promotion and Tenure Process	Tenure	C - Report to AC (2/23/06)
Composition of the Campus P&T committee	Tenure	IP

VII. Actionable Items

Action	Administrative Action	Implementation
AC Officers meet with Chancellor on a Regular Basis (RP&A - 11/10/05)	Approved	Ongoing (monthly meetings)
AC President - Report at General Faculty Meetings (RP&A - Fall 05)	Approved	Fall 05 General Faculty Meeting and Ongoing
Voting (Non-Primary Department Members) on T&P (AC 2/23/06)	Sent to Provost (4/20/06)	Pending
Poll Faculty on Administrative Restructuring (AC 3/9/06)	None required	Completed (RP&A) - Results reported/comments to Chancellor (3/06)
Revision of Student Academic Regulations- V. Absences (AC 4/20/06)	To be sent to Provost	Pending

Appendix 1A

Motion I. That the following changes be made to the Student Academic Regulations:

([deleted material] new material added)

V. Absences

A. [Students are expected to attend class regularly. If a student has been absent from several consecutive class meetings, the
instructor may report this matter to the Vice
Chancellor for Student Affairs so that an investigation may be made to ascertain the reason for such absences.]

Administration of attendance policy lies with the individual instructor for each course. The individual instructor determines the number and nature of unexcused absences allowable in each course Sanctions may be imposed for excessive absences up to and including dismissal from the course. If the instructor intends to attach a formal sanction (grade reduction or dismissal from the course) to inadequate attendance, he/she must include in the course syllabus the specific expectations and steps to be taken in such cases. Such steps will include an academic alert initiated in time to provide due warning before the absence which will give rise to the drop.

B. [If the student, in the opinion of the instructor in charge of the class, has missed an amount of work sufficient to seriously impair his/her knowledge of the subject concerned,]

If the student accrues sufficient absences to warrant dismissal in accordance with the course syllabus,

he/she will be dropped from that class by the Office of the Registrar at the written request of the instructor. No grade will be recorded if this action takes place prior to the end of six weeks (three weeks during an eight-week summer session). During the period after six (6) weeks of a semester and prior to three (3)
weeks before the end of classes, a withdrawal will be recorded on the transcript if the instructor drops the student from the course. The instructor may not effect a withdrawal from the course during the last three (3) weeks of classes or during Final Examination Week.

C. Any work missed for any reason must be made up to the satisfaction of the instructor concerned.

D. Each department and school may adopt absence regulations in addition to those of the individual instructor. [that apply to the entire school.] These regulations should be either posted on department bulletin boards or [announced to each class] incorporated as part of each course syllabus.

Appendix 1B
Ammendment
Amendment to Motion 1: Delete the instructor drop for absences by deleting Student Academic Regulations V. Absences part B. and not change the existing parts A, C and D other than to renumber as appropriate.

V. Absences
A. Students are expected to attend class regularly. If a student has been absent from several consecutive class meetings, the instructor may report this matter to the Vice Chancellor for Student Affairs so that an investigation may be made to ascertain the reason for such absences.
B. Any work missed for any reason must be made up to the satisfaction of the instructor concerned.
C. Each department may adopt absence regulations in addition to those that apply to the entire school. These regulations should be either posted on department bulletin boards or announced to each class.

Appendix 2A
Motion 2: That the following changes be made to the Student Academic Regulations:

IX. A. **Students Dropped by Instructors.** A student may be dropped from a course by the instructor because of excessive absences or unsatisfactory work.

However, in the case of unsatisfactory work, the instructor must specify, in the course syllabus, the specific expectations and steps to be taken in the case of such action; the steps must include initiation of an Academic Alert at least two weeks prior to the drop. Additionally, the student must have a failing grade in the course at the time of the drop.

No transcript record will be made if the student is dropped during the first six weeks of a semester (three weeks of an eight-week summer session). If the student is dropped after six weeks of a semester (three weeks of an eight-week summer session), a withdrawal will be recorded on his/her transcript. The instructor may not effect a withdrawal from the course during the last three (3) weeks of classes or during Final Examination Week.

A student who is dropped from a course for excessive absences or unsatisfactory work may appeal to the Department Chair of the course in question and request reversal of the decision.

UMR

ACADEMIC COUNCIL REPORT

Y. T. SHAH
PROVOST AND
EXECUTIVE VICE CHANCELLOR

April 20, 2006

ENROLLMENT MANAGEMENT

UMR

Priority Registration Report
Fall Semester 2006
April 10, 2006

	FS 2005	FS 2006	
On-Campus:			
Prior to First Day	252 [1]	301 [1]	
4/3/2006	88	18	
4/4/2006	82	88	
4/5/2006	286	331	
4/6/2006	573	498	
4/7/2006	569	529	
4/8/2006	28	160 [2]	
4/9/2006	25	24	
Total:	1,903	1,949	2.4%
Off-Campus:			
Extended Learning	92	60	-34.8%
Total:	1,995	2,009	0.7%

NOTES:

[1] *Includes 2 freshman PRO sessions*

[2] *Includes freshman PRO Session*

UNIVERSITY OF
MISSOURI-ROLLA

Preview, Registration and Orientation - Five Year Comparison Chart
2002-2006

2002	Total # Reg.	Total # Invite. mailed	2003	Total # Reg.	Total # Invite. mailed	2004	Total # Reg.	Total # Invite. mailed	2005	Total # Reg.	Total # Invite. mailed	2006	Total # Reg.	Total # Invite. mailed
Jan 11	78	1225	Jan 10	118	1265	Jan 9	248	1406	Jan 7	235	1364	Jan 6	281	1540
Jan 18	97	1225	Jan 17	165	1325	Jan 16	284	1424	Jan 14	281	1437	Jan 13	325	1542
Jan 25	121	1305	Jan 24	199	1325	Jan 23	317	1438	Jan 21	319	1485	Jan 20	350	1614
Feb 1	157	1345	Jan 31	238	1392	Jan 30	358	1480	Jan 28	355	1501	Jan 27	393	1646
Feb 8	175	1440	Feb 7	275	1402	Feb 6	395	1480	Feb 4	421	1544	Feb 3	441	1656
Feb 15	195	1445	Feb 14	319	1478	Feb 13	445	1549	Feb 11	479	1575	Feb 10	485	1656
Feb 22	225	1472	Feb 21	366	1501	Feb 20	460	1549	Feb 18	535	1617	Feb 17	513	1724
Mar 1	261	1489	Feb 28	428	1518	Feb 27	505	1569	Feb 25	585	1626	Feb 24	543	1753
Mar 8	315	1489	Mar 7	450	1534	Mar 5	550	1586	Mar 4	621	1639	Mar 3	596	1771
Mar 15	350	1518	Mar 14	497	1553	Mar 12	580	1600	Mar 11	659	1670	Mar 10	657	1771
Mar 22	426	1566	Mar 21	530	1560	Mar 19	605	1617	Mar 18	684	1677	Mar 17	699	1812
Mar 29	493	1596	Mar 28	568	1567	Mar 26	639	1617	Mar 25	696	1677	Mar 24	732	1817
Apr 5	539	1596	Apr 4	626	1587	Apr 2	663	1617	Apr 1	719	1694	Mar 31	772	1824
Apr 12	566	1620	Apr 11	659	1602	Apr 9	689	1664	Apr 8	743	1694	Apr 7	803	1824
Apr 19	614	1620	Apr 18	710	1608	Apr 16	713	1674	Apr 15	772	1719	Apr 14		
Apr 26	651	1644	Apr 25	734	1618	Apr 23	729	1700	Apr 22	785	1736	Apr 21		
May 3	680	1644	May 2	754	1618	Apr 30	749	1700	Apr 29	801	1736	Apr 28		
May 10	702	1644	May 9	777	1618	May 7	772	1757	May 6	834	1736	May 5		
May 17	740	1644	May 16	793	1646	May 14	781	1757	May 13	842	1750	May 12		
May 24	781	1644	May 23	811	1650	May 21	807	1768	May 20	857	1750	May 19		
			May 30	840	1651	May 28	823	1768	May 27	867	1750	May 26		
Jun 7	790	1644	Jun 6	855	1662	Jun 4	832	1798	Jun 3	873	1765	Jun 2		
Jun 14	803	1644	Jun 13	864	1668	Jun 11	849	1827	Jun 10	876	1766	Jun 9		
			Jun 20	874	1668	Jun 18	849	1847	Jun 17	876	1776	Jun 16		
Final PRO Count	836		Final PRO Count	910		Final PRO Count	873		Final PRO Count	909		Final PRO Count		

UMR

UNIVERSITY OF
MISSOURI-ROLLA

UMR - Enrollment Management Services WEEKLY ENROLLMENT REPORT			Fall 2001 (PS Conv) 4/8/2001	Fall 2002 (PS) 4/8/2002	Fall 2003 (PS) 4/8/2003	Fall 2004 (PS) 4/8/2004	Fall 2005 (PS) 4/8/2005	Fall 2006 (PS) 4/8/2006
FRESHMEN	Prospects	Beg. Fr. Prospects	42816	65137	42316	24066	15752	N/A**
		HS Jr. Prospects	10704	10296	10851	8108	5492	4770
	Inquiries	Beg. Fr. Inquiries	9071	13299	10860	9633	10300	11084
		HS Jr. Inquiries	799	6462	5575	4920	4857	4691
	Applications		1702	1844	1750	1789	1873	2052
		Pending	163	129	81	79	101	115
		Withdrawn Apps	7	14	13	4	0	5
	Admitted		1475	1639	1603	1641	1712	1833
		Cancelled Admits	27	86	35	53	41	66
		Denied	57	62	53	65	60	99
	Enrolled		0	187	310	N/A***	340	371
TRANSFERS	Inquiries		541	555	561	734	637	892
	Applications		265	296	304	267	287	303
		Pending	127	91	63	60	91	114
		Withdrawn Apps	0	0	0	1	0	6
	Admitted		135	199	236	197	193	181
		Cancelled Admits	0	0	0	1	0	0
		Denied	3	6	5	9	3	2
	Enrolled		0	2	21	N/A***	N/A***	62
GRADUATES	Inquiries		4142	3060	2198	1136	1199	1650
	Applications		1774	2847	2236	1111	1071	1439
		Pending	750	1056	732	390	300	383
		Withdrawn Apps	1	4	9	4	1	4
	Admitted		781	1284	953	445	489	619
		Cancelled Admits	0	0	0	0	0	0
		Denied	242	503	542	272	281	433
	Enrolled		0	35	31	N/A***	N/A***	10
ORIENTATION	Freshmen	Total Reservations	0	539	659	689	743	808
	Transfer	Total Reservations	0	0	0	73	40	71
HOUSING AGREEMENTS		Upperclassmen	0	0	0	N/A	724	N/A*
		Beginning Freshmen	0	N/A	496	625	761	N/A*
		New Transfers	0	0	0	0	0	0
		TOTAL	0	0	0	0	0	0
4TH WEEK CENSUS		Beginning Freshmen	715	815	897	877	914	
		New Transfers	231	261	281	288	312	
		Graduates	395	423	348	402	355	
		TOTAL	1,341	1,499	1,526	1,567	1,581	

Unofficial Internal Planning Data - not intended for public release.

PS Conv - PeopleSoft conversion data
PS - data from PeopleSoft system
*Waiting on Housing
**Currently working on EOS data loads
*** Unable to report for 4-8-2004

UMR

UNIVERSITY OF MISSOURI-ROLLA

RESEARCH

FY 06: Proposals Awarded through March

	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Totals
Biol. Sci.	0	468,232	14,500	0	0	0	0	0	0				482,732
Chem.	45,639	663,230	141,200	37,473	119,208	0	200,000	25,020	17,500				1,249,269
Comp. Sci.	77,275	265,622	0	0	0	5,000	0	0	0				347,897
Engl. & Tech. Comm.	0	0	0	0	0	0	0	0	0				0
Hist./PS	0	0	0	0	0	0	0	0	0				0
Math/Stat	0	59,250	136,030	30,519	0	0	0	42,143	0				269,942
Phil.	0	0	0	0	1,000	0	0	26,340	0				27,340
Phys.	0	666,230	0	0	0	0	289,000	123,215	80,000				1,160,445
Psych.	0	143,428	0	52,083	0	0	0	0	0				195,511
A&S Totals	122,914	2,267,992	293,730	120,074	120,208	5,000	489,000	216,718	97,500	0	0	0	3,733,136
Materials Sci. & Eng.	480,273	288,500	500,300	1,639,709	454,211	54,000	388,587	525,000	626,433				4,957,012
Mining & Nuclear Eng.	437,669	60,000	55,463	939,871	28,975	0	0	35,000	9,794				1,566,773
Geol. Sci. & Engr.	212,523	212,523	96,376	25,233	246,150	55,250	3,250	13,200	0				862,505
SoMEER	1,130,465	561,023	651,138	2,604,814	728,336	109,250	391,837	573,200	636,227	0	0	0	7,386,290
Interdisciplinary Engr	0	2,000	66,647		25,848	0	0	0	61,536				156,031
Chem & Biol. Engr.	4,000	336,126	36,516	17,789	7,000	0	192,156	100,124	0				692,692
Civil, Arch. & Env. Engr.	746,108	66,992	539,659	745,685	183,000	230,317	26,250	141,800	1,862,367				4,541,179
ECE	342,760	466,560	231,351	380,843	181,940	635,333	507,606	94,789	418,866				3,259,048
Engr. Mgt.	36,163	33,245	0	246,786	0	0	664	0	7,170				324,017
MAEM	114,501	239,049	407,303	1,102,524	256,250	47,107	152,501	355,371	497,821				3,174,527
SOE Totals	1,243,532	1,140,971	1,281,476	2,493,707	656,038	912,757	879,169	692,084	2,847,759	0	0	0	12,147,493
Econ. & Finance	0	0	0	0	0	0	0	0	2,950				2,950
Business Admin.	0	143,428.00	0	0	0	0	54360	0	1,967				199,745
Info Sci. & Tech.	384,622	0	60,000	0	0	0	0	0					444,622
Dean's Office	850,015	9,197	0	0	0	0	0	0	0				859,212
SMIS	1,234,637	152,625	60,000	0	0	0	54,350	0	4,916	0	0	0	1,506,528
Enrollment Mgt													0
International Affairs									61,536				61,536
Minority Affairs			14,000										14,000
Other		311,431			152238	60,000	53,647		3,380				580,676
RPDC		265,000			350494								605,494
KUMR	60,277						87,612						147,889
Grand Totals	3,791,824	4,689,042	2,300,344	5,218,595	2,007,314	1,174,619	1,868,002	1,482,002	3,651,299	0	0	0	26,183,04...

40.8% growth over FY05

Total: $2...

UNIVERSITY OF MISSOURI-ROLLA

FY 06: Proposals Submitted through March

	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Totals
Biol. Sci.	0	295,354	478,208	1,729,284	108,288	54,201	899,777	128,030	326,721				4,019,842
Chem.	38,500	154,984	160,922	510,119	2,483,731	153,644	1,082,959	1,113,100	361,919				6,059,877
Comp. Sci.	70,015	383,471	0	714,056	240,876	365,293	0	201,390	449,102				2,424,203
Engl. & Tech. Comm.	0	108,488	0	0	0	0	0	0	9,494				117,982
Hist./PS	0	0	0	0	0	0	0	0	0				0
Math/Stat	0	483,795	144,754	196,324	0	0	445,496	100,000	9,494				1,379,863
Phil.	0	295,354	0	0	1,000	0	0	0	0				296,354
Phys.	2,000	300,354	158,135	198,860	750,817	100,000	568,310	79,500	165,181				2,323,157
Psych.	0	251,916	0	93,750	62,733	0	63,958	0	29,494				501,851
A&S Totals:	110,515	2,273,715	942,018	3,442,373	3,647,445	673,139	3,060,499	1,622,020	1,351,404	0	0	0	17,123,128
Materials Sci. & Eng.	463,122	507,406	368,888	6,216,589	1,897,603	405,469	217,581	1,100,782	335,334				11,512,770
Mining & Nuclear Eng.	9,989	1,168,004	141,902	2,417,098	2,649,956	1,590,385	1,498,789	224,277	785,632				10,486,011
Geol. Sci. & Engr.	265,559	210,464	210,122	280,728	45,150	126,634	135,550	184,913	56,000				1,515,120
SoMEER	738,670	1,885,874	720,910	8,914,414	4,592,709	2,122,468	1,851,920	1,509,972	1,176,966	0	0	0	23,513,902
Interdisciplinary Eng	0	628,421	877,889		185,831	0	222,259		403,061				2,317,460
Chem & Biol. Engr.	274,119	337,969	1,310,145		0	44,468	497,022	261,442	381,085				3,106,250
Civil, Arch. & Env. Engr.	1,211,200	3,387,518	687,011	840,021	1,863,538	1,045,039	1,132,355	2,318,382	949,410				13,434,473
ECE	2,501,560	1,705,849	1,248,595	1,731,105	1,793,767	1,296,129	2,471,723	1,752,205	783,721				15,284,655
Engr. Mgt. and System Eng	0	663,312	94,598	885,636	0	1,053,457	0	334,548	45,421				3,076,971
MAEM	1,564,678	1,703,347	1,301,885	1,674,549	5,926,721	116,251	374,760	386,286	1,096,525				14,147,001
													0
SOE Totals	5,551,557	8,426,415	5,520,122	5,131,311	9,769,857	3,555,344	4,698,118	5,052,862	3,661,223	0	0	0	51,366,809
Econ. & Finance		0	0		12,500	0	0	0	41,938				54,438
Business Admin.		184,557	0		0	44,406	15,990	93,686	20,954				359,593
Info Sci. & Tech.		98,451	21,721		6,000	22,203	149,627	46,843	40,294				385,140
Dean's Office	850,015	0							0				
SMIS	850,015	283,008	21,721	0	18,500	66,609	165,617	140,529	103,186	0	0	0	1,649,185
Enrollment Mgt	0	0	0	0	0	0	0	0					0
UMR Global	0	13,710	0	0	0	0	0	0	283,805				297,514
Grad/UG Studies	0	0	0	0	0	0	0	0					0
Other	0	443,919	0	0	633,555	0	158,508	0	3,360				1,239,342
RPDC	605,494	0	0	0	0	0	0	0					605,494
KUMR	0	0	0	0	0	87,612	0	0					87,612
Grand Totals:	7,856,251	13,326,641	7,204,771	17,488,099	18,662,066	6,505,172	9,934,662	8,325,383	6,579,942	0	0	0	

-10.1% compared to FY05

Total:

UNDERGRADUATE AND GRADUATE STUDIES

- **UMR UNDERGRADUATE RESEARCH CONFERENCE**
  Eighty UMR students will participate in the second annual UMR Undergraduate Research Conference on Wednesday April 12 at the Havener Center. The event will include morning and afternoon oral and poster sessions. Mr. Jon Schneider, Human Resources, Learning Training and Development Director-Engineering, of The Boeing Company, will present the keynote address at 12:00 noon. For more information about this event, contact the office of undergraduate and graduate studies at 341-7600 or visit the conference web site at: http://campus.umr.edu/ugs/UGRC.html.

OUTSTANDING ACADEMIC ADVISOR AWARDS

Congratulations to Our Award Winners:

-William Canu, Outstanding Academic Advisor, College of Arts & Sciences

-Douglas K. Ludlow, Outstanding Academic Advisor, School of Engineering

-F. Scott Miller, Outstanding Academic Advisor, School of Materials, Energy & Earth Resources

-David Richardson, Outstanding Freshman Student Advisor, University of Missouri-Rolla

-Diana Ahmad, Outstanding Transfer Student Advisor, University of Missouri-Rolla

-Krista Chambers, Outstanding Student Advisor-UMR Staff-University of Missouri-Rolla

- **OURE APPLICATIONS & FINAL REPORTS DUE APRIL 1**
  Students who wish to participate in the 2006-2007 Opportunities for Undergraduate Research Experiences (OURE) program must apply by April 1. OURE applications are available online at:
  http://campus.umr.edu/ugs/OURE.htm.

  Final reports for 2005/06 projects are also due to ugs@umr.edu by April 1For more information, contact Gail Kelley at 341-7276

UMR

- **UMR SELF STUDY PREPARATION**

  Members of the UMR Self Study Advisory Committee will attend the 11th Annual Higher Learning Commission Conference March 31-April 2, 2006. Participants will gather information to help prepare UMR for the self study process.

- **ACADEMIC ALERT SYTEM PRESENTATION**

  Dr. Harvest L. Collier and Amy M. Gillman will present "An Online Academic Alert System: The Potential Impact on Student Success" at the UM Transition Conference in St. Louis, MO March 30, 2006.

UMR

- **VOYAGER SEMINARS-APRIL 2006**

  Wednesday, 4/5/06-5:00 pm "Campus Life: Part III - Next up to Bat...Sophomores!" – Matt Goodwin, Student Life

  Monday, 4/10/06,6:00 pm-UMR Graduate Student Program Showcase – Prasenjit Shil, Council of Graduate Students

  Thursday, 4/17/06- 4:00 pm "How does a freshman get a job?" – Michelle Robinson-Adams, Career Opportunities

  Monday, 4/24/06, 5:00 pm, "Student Leadership Opportunities" – Jeremiah King, UMR Student Council

- **HONORS ACADEMY BANQUET**

  The spring UMR Honor's Academy Banquet is April 23, 2006, at 6:00 pm at the Havener Center. Dr. Jorge Ochoa, Vice President and Chief Technology Officer of Archus Orthopedics, Inc., will give the keynote address. All UMR faculty are welcome to attend. Please RSVP to Gail Kelley at Kelley@umr.edu , 341-7276, by April 14.

UMR

- **UNDERGRADUATE RESEARCH DAY AT THE CAPITOL-** April 4, 2006

- **WE'RE MOVING!**

  The Office of Undergraduate & Graduate Studies is moving in mid April. Please stop by and see us in our new location- 209 Norwood Hall.

SCHOOL OF EXTENDED LEARNING

School of Extended Learning

Academic Council

School of Extended Learning Report

April 2006

Distance Education:

- The Video Communications Center is currently managing the largest number of course sections ever produced by UMR. The growth in the number of sections is shown in the graph below. Series 1 represents the traditional video streaming classes, Series 2 represents "receive only" classes and Series 3 represents classes broadcast using Centra technology.

School of Extended Learning
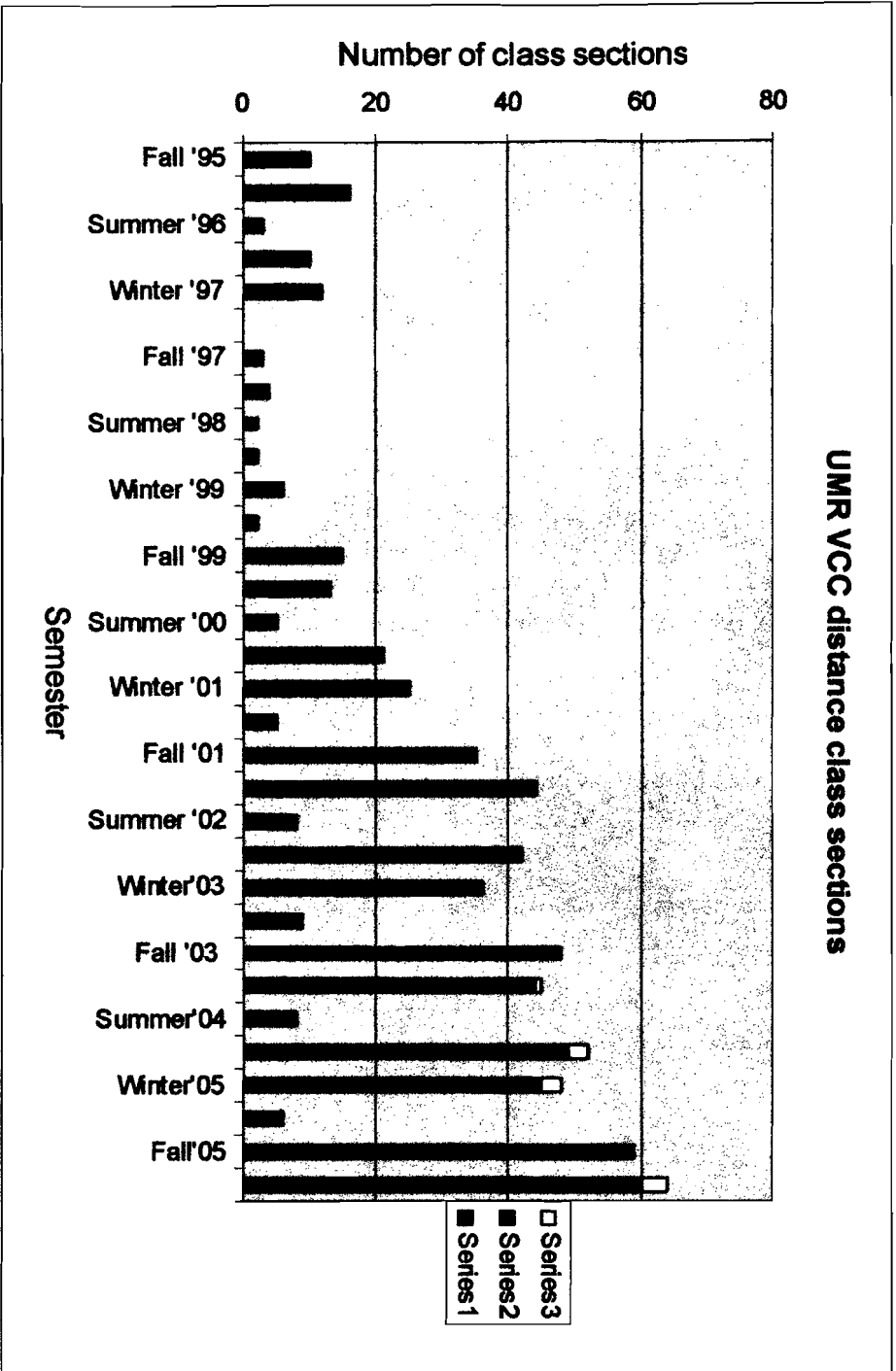
School of Extended Learning

Engineering Education Center:

- A small classroom studio has recently been developed with the help of the UMR Video Communications Center and put into use at the Engineering Education Center in St. Louis. While the internet provides a mechanism for reaching students in virtually any location, there are some students that still prefer face to face courses. This facility provides UMR with the opportunity for both face to face and internet production and the combination contributes greatly to marketing UMR degree programs in the St. Louis metro area. When appropriate, this facility allows faculty teaching face to face courses in St. Louis to also send them back to Rolla for use by on campus students or other students around the country.

International Programs:

- Dr. Wiebe and Dr. Ercal recently returned from Oman where they reviewed the Mazoon College programs in Computer Science and Information Science and Technology and also took part in the spring graduation ceremony. This activity was part of an ongoing effort by UMR to assist Mazoon College to further develop the programs it has established in a school for women. Over 300 young women received degrees at the most recent graduation. The PIs on the grant supporting this activity are Dr. Robert Davis and Ms Jeanie Hofer.

School of Extended Learning

Summer Camps and Programs:

- Over 30,000 brochures have been printed and mailed to attract attention to the various programs UMR conducts for potential students in the summer. These programs attract youth ranging from middle school age to high school seniors. The largest of these programs is the Jackling Introduction to Engineering program. This specific program results in a yield rate of approximately 40% that actually end up enrolling at UMR. An effort is being made to develop additional programs that more completely cover the areas of interest and range in ages of potential UMR students.

Conference Activity:

- There has been an increasing amount of interest by faculty in working with Distance and Continuing Education to conduct conferences focused on various technical topics. The three most recent additions scheduled for the future are:
  - » July 2006 - NSF Design, Service and Manufacturing Grantees and Research Conference (grant awarded)
  - » December 2006 - FHWA & MoDOT Fourth International Geophysics Conference
  - » June 2007 - ICONIC - International Conference on Electromagnetic Near-field Characterization & Imaging

INFORMATION TECHNOLOGY

Information Technology

UMR

Applications/Enterprise Reporting
- Initial planning completed for Office of Admissions website
  - Content creation in progress
  - Launch date schedule for May 31, 2006
- Scoping & Planning nearing completion for Research Web Presence/Repository
  - Showcase & market UMR Research to internal and external research communities
- Peoples & Units
  - Currently at the data analysis and design stage
  - Provide an interface to core people/unit data for applications on campus including Research

Networks and Computing
- Voice-Over IP Telephony Project
  - Over 900 VoIP phones deployed
  - Norwood Hall deployment completed
  - Regional Professional Development Center scheduled for conversion late April 2006
  - Harris Hall scheduled for conversion May 2006
- File System conversion in progress (AFS/DFS)
  - Currently in beta testing

Solutions Center
- Network for Earthquake Engineering Simulation (NEES) Point of Presence
  - Sharing of UMR research data with other members of the NEES community
- Desktop Enhancement
  - FY2005 complete with 297 machines deployed
  - FY2006 underway with 127 machines deployed
- Planning for deployment of projectors to 60% of classrooms for Fall '06 in progress
- Development of pilot for Printer Quota management for Fall '06 underway

Project Management
- Planning under way for Student Information Network/Campus Information Network
  - Established sponsorship: EM, UA, StuCo, IT
  - Pilot definition underway to include a handful of locations across campus
  - Working Electronic Display Policy targeted for completion Summer 2006 with pilot rollout to follow
- Planning under way for Enterprise Help Desk Consolidation Initiative
- Planning under way for upgrade to Blackboard version 7
- Personal Response System (Clicker project) being expanded for Fall 2006 to include approximately 9 disciplines, 20 faculty members and 1,800 students

UNIVERSITY OF MISSOURI-ROLLA

Jaquess, Lois

From: Fitch, Stephanie L.

Sent: Thursday, April 13, 2006 11:05 AM

To: Jaquess, Lois

Cc: Mundis, Nathan Lee (UMR-Student)

Subject: Student Affairs Motion to Academic Council

Attachments: Mini Baja Constitution.doc; Table_Tennis_Constitution.rtf; CONSTITUTION OF YOGA CLUB.doc

Dear Lois,

The Student Affairs Committee would like to have 2 minutes (or less) scheduled on the agenda for the AC meeting on 4/20.

A representative from our committee (probably Nathan Mundis -- thanks, Nathan!) will make the following motion:

> The Student Affairs Committee has reviewed and approved the constitutions of three student organizations: The Yoga Club, the Mini-Baja Club and the Table Tennis Club. We hereby move that these three organizations receive Recognized Student Organization status.

The constitutions of these three organizations are attached.

Steph Fitch
Chair, Student Affairs Committee

University of Missouri – Rolla Baja SAE
CONSTITUTION

Article 1.   Name of Organization

1.01   *The name of the organization shall be UMR Baja SAE, hereafter referred to as "Organization."*

1.02   *The Organization shall be affiliated with the Society of Automotive Engineers and the University of Missouri – Rolla Student Design and Experimental Learning Center.*

Article 2.   Objectives and Purposes

2.01   *The purposes for which the Organization is to be organized shall be consistent with the educational aims and objectives of the University of Missouri-Rolla. No purpose or objective of the Organization shall be in conflict with applicable state or federal laws presently in force or hereafter. The Organization will abide by all university regulations.*

2.02   The specific purposes and objectives which Organization shall be organized to pursue include leadership abilities, business management, communication, applying classroom theory to real-life applications, interdisciplinary machining, and teamwork.

Article 3.   Membership

3.01   *Membership in the Organization shall be open to all University of Missouri-Rolla students, faculty, and staff members without regard to race, color, religion, gender, sexual orientation, national origin, age, or disability.*

3.02   *The Organization must have at least five student members.*

3.03   *All student Members shall have equal rights and privileges with respect to the election of the Officers.*

3.04   *Membership may be revoked if deemed necessary by the Organization. A two-thirds (2/3) affirmative vote of the Membership is required to revoke membership. Said Member shall be given the opportunity to speak on his or her behalf to the membership. A Membership removal notice shall be given to the Member at least one week prior to the removal vote.*

3.05   *Membership roster is to be supplied to the Department of Student Life each fall and spring semesters.*

Article 4.   Officers and Duties

4.01   The Officers of the organization shall consist of a Team Manager, a Project Manager, a Secretary, a Treasurer, and a Public Relations Officer who, with the Advisor to the organization, shall constitute the Executive Committee of the Organization.

4.02   *Only UMR students shall be eligible to be an Officer of the Organization.*

4.03   *Any UMR student eligible to be an Officer of the Organization must be in good standing with university as per the UMR Academic Council.*

4.04   The Officers of the Organization shall be elected by a plurality vote of the Members present during a meeting to be called by the third week of the spring semester for the express purpose of electing the officers. Any Officer of the Organization shall be required to be in residence at UMR while they are in office. *All officers are to be reported to the Department of Student Life upon approval.*

4.05   The Team Manager shall call all meetings of the Membership, regular or otherwise, and shall serve as the chairperson of such meetings. In addition, the Team Manager shall, with the advice of the Executive Committee, plan and coordinate the events to be sponsored by the Organization in forthcoming semesters; with the Treasurer, shall prepare and present any budget requests to the Student Activity Fees Board; and shall be the main representative of the Organization to the University.

4.06   In the absence of the Team Manager, or should the Team Manager prove unable or unwilling to perform the duties described in Section 4.05 above, the Project Manager shall assume the responsibilities of the Team Manager. In addition, the Project Manager shall preside over all meetings of the Executive Committee called pursuant to Section 6.06 below and shall also perform other duties as the Team Manager may assign from time to time.

4.07   The Treasurer shall be responsible for maintaining accurate financial records of the Organization, allowed to request funds for the Organization, raising adequate funds for the Organization, and inform the Team and Project Manager of any upcoming expenditure. The Treasurer, with the Team Manager, shall prepare and present any budget requests to the Student Affairs Committee. *The Treasurer shall insure that all university funds are properly used as per the University regulations.*

4.08   The Secretary shall be responsible for recording accurate minutes of any meeting, regular or otherwise, of the Membership or the Executive Committee. The Secretary shall be responsible for the writing and distribution of notices to the Membership informing them of any meeting or other Organization activity, and furthermore shall at all times maintain an accurate and complete list of the Membership of the Organization.

4.09   *The Advisor to the Organization must be a UMR faculty or staff member who is employed by the University at least 75% FTE. A plurality vote of the Membership is required to approve the Advisor; he or she may be removed by the Membership by an affirmative plurality vote.* The Advisor shall attend all meetings of the Executive Committee as a non-voting member thereof and shall provide guidance and administrative assistance in the preparation of a program of activities to be pursued by the Organization in forthcoming semesters.

4.10   The Executive Committee shall notify the Membership of upcoming activities and seek approval.

4.11   Any Officer of the Organization may resign at any time by delivering a written notice of such to the Team Manager, or in case of the resignation of the Team Manager, to the Project Manager.

4.12   At the next regular meeting of the Membership of the Organization, an election shall be held to elect an Officer to fill the vacant position.

4.13   If any Officer of the Organization is absent from the UMR campus for any leave or off-campus semester, an election shall be held at the first meeting of such semester to elect an individual to serve as such Officer until the regularly elected Officer shall return to campus.

4.14   *Any Officer of the Organization may be removed from such office if deemed necessary by the Organization. A two-thirds (2/3) affirmative vote of the Membership is required to remove the Officer. Said Officer shall be given the opportunity to speak on his or her behalf to the Membership. An Officer Removal Notice shall be given to the officer at least one week prior to the removal vote.*

Article 5.   Leaders and Duties

5.01   The Leaders of the organization shall consist of a Chassis Leader, a Suspension Leader, a Drivetrain Leader, a Controls Leader, and a Body Leader who, with the Advisor to the organization, shall constitute the Leader Committee of the Organization.

5.02   *Only UMR students shall be eligible to be a Leader of the Organization.*

5.03   *Any UMR student eligible to be a Leader of the Organization must be in good standing with university as per the UMR Academic Council.*

5.04   The Leaders of the Organization shall be elected by a plurality vote of the Members present during a meeting to be called by the third week of the spring semester for the express purpose of electing the officers. Any Leader of the Organization shall be required to be in residence at UMR while they are in office. *All officers are to be reported to the Department of Student Life upon approval.*

5.05   The Chassis Leader shall lead in the construction of the Organization's chassis while presiding over the Chassis Committee. The Chassis Leader shall coordinate a Chassis Committee meeting independent of Regular meetings, Sec. 6.03. The Chassis Leader shall remain responsible for design, design report, and cost analysis of his or her project.

5.06   The Suspension Leader shall lead in the construction of the Organization's suspension and steering while presiding over the Suspension Committee. The Suspension Leader shall coordinate an individual Suspension Committee meeting independent of Regular meetings, Sec. 6.03. The Suspension Leader shall remain responsible for design, design report, and cost analysis of his or her project.

5.07   The Drivetrain Leader shall lead in the construction of the Organization's engine and drivetrain while presiding over the Drivetrain Committee. The Drivetrain Leader shall coordinate a Drivetrain Committee meeting independent of Regular meetings, Sec. 6.03. The Drivetrain Leader shall remain responsible for design, design report, and cost analysis of his or her project.

5.08   The Controls Leader shall lead in the construction of the Organizations driver interface while presiding over the Controls Committee. The Controls Leader shall coordinate a Controls Committee meeting independent of Regular meetings, Sec. 6.03. The Controls Leader shall remain responsible for design, design report, and cost analysis of his or her project.

5.09   The Bodywork Leader shall lead in the construction of the Organization's vehicle bodywork while presiding over the Bodywork Committee. The Bodywork Leader shall coordinate a Bodywork Committee meeting independent of Regular meetings, Sec. 6.03. The Bodywork Leader shall remain responsible for design, design report, and cost analysis of his or her project.

Article 6.   Quorum and Meetings

6.01   *A quorum shall exist at any Meeting of the Membership where at least fifty percent (50%) of the Members are in attendance.*

6.02   Actions requiring a majority vote at any Meeting at which quorum is not present may be submitted to the Members for an e-mail vote; a quorum of the Membership is needed for the vote to be valid.

6.03   Regular Meetings (herein so-called) of the Organization shall be held at least twice per semester at such time and place to be determined by the President.

6.04   Special Meeting (herein so-called) of the Membership shall be called upon written request to the Team Manager of at least twenty-five percent (25%) of the Members.

6.05   All Members shall be notified of any Meeting and the nature of the business to be transacted there at least one day before such Meeting. No Meeting shall be called with the intent to exclude any one Member or any portion of the Membership.

6.06   The Executive Committee of the Organization shall meet at least once before any Meeting of the Membership at such time and place to be determined by the Team Manager. At such Meetings of the Executive Committee a quorum shall be deemed to be the attendance of any three (3) members of the Executive Committee.

6.07   All Meetings will use <u>Robert's Rules of Order, Newly Revised</u> as the parliamentary authority.

Article 7.   Voting

7.01   Each Student Member shall have one (1) vote.

7.02   There shall be no absentee or proxy voting.

7.03   All motions except those described in Section 8.02 below require an affirmative vote of a simple majority of the Membership to be effective.

7.04   All votes of the Executive Committee shall require an affirmative vote of three (3) of the Officers to be effective.

Article 8.   Miscellaneous

8.01   *This Constitution shall have been presented to the Membership of the Organization and shall be ratified by a majority vote thereof; approval of the UMR Student Affairs Committee and the approval of the UMR Academic Council.*

8.02   *This Constitution may be amended or repealed by a two-thirds (2/3) majority vote of the Members of the Organization; approval of the UMR Student Affairs Committee or their designee.*

8.03   *Organization By-Laws ratification and any amendments require a simple majority vote of the Members present at the Meeting of the Membership.*

8.04   *This Constitution and By-Laws (if applicable) and any amendments and changes hereto shall be kept on record with the Department of Student Life and shall be made available to any Member of the Organization for inspection during reasonable office hours.*

UMR TABLE TENNIS CLUB CONSTITUTION

Article 1.   Name of Organization

1.01   The name of the organization shall be the "UMR Table Tennis Club" hereafter referred to as "Organization."

Article 2.   Objectives and Purposes

2.01   The purposes for which the Organization is to be organized shall be consistent with the educational aims and objectives of the University of Missouri-Rolla. No purpose or objective of the Organization shall be in conflict with applicable state or federal laws presently in force or hereafter. The Organization will abide by all university regulations.

2.02   The specific purposes and objectives which Organization shall be organized to pursue include the following: to promote skills associated with table tennis; to encourage competitive levels of table tennis play; to expose table tennis as a fun and exciting game to the UMR community; to have fun in a friendly environment.

Article 3.   Membership

3.01   Membership in the Organization shall be open to all University of Missouri students, faculty, and staff members without regard to race, color, religion, gender, sexual orientation, national origin, age, or disability.

3.02   The Organization must have at least five student members.

3.03   All Members shall have equal rights and privileges with respect to the election of the Officers.

3.04   Membership may be revoked if deemed necessary by the Organization. A two-thirds (2/3) affirmative vote of the Membership is required to revoke membership. Said Member shall be given the opportunity to speak on his or her behalf to the membership. A Membership removal notice shall be given to the Member at least one week prior to the removal vote.

3.05   Membership roster is to be supplied to the Department of Student Life each fall and spring semesters.

Article 4.   Officers and Duties

4.01   The Officers of the organization shall consist of a President, a Vice President, a Secretary, and a Treasurer who, with the Advisor to the organization, shall constitute the Executive Committee of the Organization.

4.02   Only UMR student shall be eligible to be an Officer of the Organization.

4.03   Any UMR student eligible to be an Officer of the Organization must be in good standing with university as per the UMR Academic Council.

4.04   The Officers of the Organization shall be elected by a plurality vote of the Members present during a meeting to be called by the third week of the spring semester for the express purpose of electing the officers. Any Officer of the

Organization shall be required to be in residence at UMR while they are in office. All officers are to be reported to the Department of Student Life upon approval.

4.05 The President shall call all meetings of the Membership, regular or otherwise, and shall serve as the chairperson of such meetings. In addition, the President shall, with the advice of the Executive Committee, plan and coordinate the events to be sponsored by the Organization in forthcoming semesters; with the Treasurer, shall prepare and present any budget requests to the Student Activity Fees Board; and shall be the main representative of the Organization to the University.

4.06 In the absence of the President, or should the President prove unable or unwilling to perform the duties described in Section 4.05 above, the Vice President shall assume the responsibilities of the President. In addition, the Vice President shall preside over all meetings of the Executive Committee called pursuant to Section 5.06 below and shall also perform other duties as the President may assign from time to time.

4.07 The Treasurer shall be responsible for maintaining accurate financial records of the Organization and shall be allowed to request funds for the Organization. The Treasurer, with the President, shall prepare and present any budget requests to the Student Affairs Committee. The Treasurer shall insure that all university funds are properly used as per the University regulations.

4.08 The Secretary shall be responsible for recording accurate minutes of any meeting, regular or otherwise, of the Membership or the Executive Committee. The Secretary shall be responsible for the writing and distribution of notices to the Membership informing them of any meeting or other Organization activity, and furthermore shall at all times maintain an accurate and complete list of the Membership of the Organization.

4.09 The Advisor to the Organization must be a UMR faculty or staff member who is employed by the University at least 75% FTE. A plurality vote of the Membership is required to approve the Advisor; he or she may be removed by the Membership by an affirmative plurality vote. The Advisor shall attend all meetings of the Executive Committee as a non-voting member thereof and shall provide guidance and administrative assistance in the preparation of a program of activities to be pursued by the Organization in forthcoming semesters.

4.10 The Executive Committee shall notify the Membership of upcoming activities and seek approval.

4.11 Any Officer of the Organization may resign at any time by delivering a written notice of such to the President, or in case of the resignation of the President, to the Vice President.

4.12 At the next regular meeting of the Membership of the Organization, an election shall be held to elect an Officer to fill the vacant position.

4.13 If any Officer of the Organization is absent from the UMR campus for any leave or off-campus semester, an election shall be held at the first meeting of such semester to elect an individual to serve as such Officer until the regularly elected Officer shall return to campus.

4.14 Any Officer of the Organization may be removed from such office if deemed necessary by the Organization. A two-thirds (2/3) affirmative vote of the Membership is required to remove the Officer. Said Officer shall be given the

opportunity to speak on his or her behalf to the Membership. An Officer Removal Notice shall be given to the officer at least one week prior to the removal vote.

Article 5. Quorum and Meetings

5.01   A quorum shall exist at any Meeting of the Membership where at least fifty percent (50%) of the Members are in attendance.

5.02   Actions requiring a majority vote at any Meeting at which quorum is not present may be submitted to the Members for an e-mail vote; a quorum of the Membership is needed for the vote to be valid.

5.03   Regular Meetings (herein so-called) of the Organization shall be held at least twice per semester at such time and place to be determined by the President.

5.04   A Special Meeting (herein so-called) of the Membership shall be called upon written request to the President of at least twenty-five percent (25%) of the Members.

5.05   All Members shall be notified of any Meeting and the nature of the business to be transacted there at least one day before such Meeting. No Meeting shall be called with the intent to exclude any one Member or any portion of the Membership.

5.06   The Executive Committee of the Organization shall meet at least once before any Meeting of the Membership at such time and place to be determined by the President. At such Meetings of the Executive Committee a quorum shall be deemed to be the attendance of any three (3) members of the Executive Committee.

5.07   All Meetings will use Robert's Rules of Order, Newly Revised as the parliamentary authority.

Article 6. Voting

6.01   Each Student Member shall have one (1) vote.

6.02   There shall be no absentee or proxy voting.

6.03   All motions except those described in Section 7.02 below require an affirmative vote of a simple majority of the Membership to be effective.

6.04   All votes of the Executive Committee shall require an affirmative vote of three (3) of the Officers to be effective.

Article 7. Miscellaneous

7.01   This Constitution shall have been presented to the Membership of the Organization and shall be ratified by a majority vote thereof; approval of the UMR Student Affairs Committee and the approval of the UMR Academic Council.

7.02   This Constitution may be amended or repealed by a two-thirds (2/3) majority vote of the Members of the Organization; approval of the UMR Student Affairs Committee or their designee.

7.03   Organization By-Laws ratification and any amendments require a simple majority

vote of the Members present at the Meeting of the Membership.

7.04   This Constitution and By-Laws (if applicable) and any amendments and changes hereto shall be kept on record with the Department of Student Life and shall be made available to any Member of the Organization for inspection during reasonable office hours.

CONSTITUTION OF YOGA FITNESS CLUB
AT
UNIVERSITY of MISSOURI-ROLLA

I. Name

The name of the organization is "Yoga Fitness Club at University of Missouri-Rolla", herein referred as "organization".

II. Aims and Objectives of the Organization

A. The purposes for which the organization is to be organized shall be consistent with the educational aims and objectives of the University of Missouri-Rolla. No purpose or objective of the organization shall be in conflict with applicable state or federal laws presently in force or hereafter. The organization will abide by all university regulations.

B. The organization is dedicated to teaching control over ones body through practicing the postures and breathing techniques of Yoga in a welcoming, inspirational manner without regard to race, color, religion, gender, national origin, age, sexual orientation, or disability.

C. To encourage, aid, and train students in reaching better physical condition through practice of Yoga.

D. To promote an awareness, appreciation, and understanding of focusing and relaxation techniques taught in Yoga.

E. To meet the needs of the growing number of students interested in Yoga fitness practice and promote communication among them.

F. The club aims to have a positive influence on both the campus and the local community.

III. Membership

A. Membership is open to any currently enrolled UMR student, graduate, or undergraduate interested in Yoga fitness.

B. A person interested in joining will become a recognized member after notifying the President of his/her intention, signing the club's waiver, and paying the dues.

C. A member may be asked to leave a meeting for inappropriate or abusive behavior (as defined in section XI) by the Instructor or by more than 50% vote of members

present after being given five minutes to speak on his/her behalf. Repeated removal for inappropriate or abusive behavior may result in termination of membership by more than 50% vote of all members. No dues will be returned in the case of termination.

D. To join, members do not need previous experience in Yoga. Most postures can be performed on different levels of difficulty. Each member shall attempt the Yoga postures on the level of their own comfort and at their own risk.

IV. Officers

A. The officer positions will include a President, a Vice-President, a Secretary, and a Treasurer.

B. An officer must be enrolled in a minimum of 6 hours in the semester(s) he/she will be in an elected position; have a minimum cumulative 2.5 GPA and be in good standing with the university.

C. At the time of election, any member may nominate current members for an officer position.

D. Elections will be held at the last meeting of each academic year.

E. Officers assume their positions upon being elected. Each officer's term will last one academic year.

F. One vote will be held for each officer. Any member not running for the office may vote. Each officer will be elected by plurality vote.

G. Officer duties:

1) The President shall be in charge of organizing meetings and practices. He/She will collect information concerning the club. The club's outside representation is the President's responsibility. He/She should attend all meetings. If unable to attend a meeting the President must notify all club members as soon as possible. To help in coordination of the club activities the President shall be informed of the duties of all executive officers.

2) The Vice-President shall, in the absence of the President, preside over the duties of the President. Representation of the club inside of the UMR campus and maintenance of the club's webpage is the Vice-President's responsibility.

3) The Secretary shall keep all club records. He/She will take attendance at the beginning of each meeting. The Secretary shall preside over meetings in the absence of the President and Vice-President.

4) The Treasurer shall keep all records of the club's revenues and expenses and will deal with appropriate funding sources. The Treasurer shall insure that all university funds are properly used as per the University regulations. The Treasurer shall be allowed to request funds for the organization. He/She shall prepare the club budgets and give financial reports to the club once a month. The Treasurer will prepare and present any budget requests to the Student Affairs Committee. The Treasurer will take on the duties of the President in the absence of the President, Vice-President, and Secretary.

H. The executive board shall be established and consist of all the officers, the Instructor, and advisor.

I. A vacancy in an officer position is filled by an election in the next regular meeting. The President is responsible for notifying all members at least two days in advance about an upcoming election.

J. Impeachment may only be initiated at a regular meeting. If impeached, the officer shall be immediately removed from office and a new officer elected. The impeachment processes will be followed using due process as stated in Robert's Rules of Order, Newly Revised.

V. Advisor

A. The club shall elect an advisor. All members may vote. An advisor shall be elected by simple plurality. Election must take place each year, but there is no limit to the number of consecutive terms that can be held.

B. The advisor must be at least a 75% full time employee professional staff or faculty member of UMR.

C. The advisor will be a contact for the group in the event that the President or other student officers are not available.

D. The advisor is not required to attend every practice.

VI. Instructor

A. The instructor will be responsible to teach Yoga.

B. He/She will be elected by simple plurality and will serve one academic year.

C. Officers may be elected for an instructor position.

VII. Dues

A. Dues are required to be paid by each member each semester. The amount of the dues shall be decided by the executive board and is subject to approval by a quorum of the regular members during the first meeting of the semester.

B. Dues are paid to the Treasurer at the beginning of each semester or at the time of joining the club.

VIII. Meetings

A. The President will construct a calendar of meetings between the first and third meetings of each academic semester.

B. A regular meeting is one that is defined by the calendar of meetings.

C. A special meeting may be called by the President or by 10% of the club's membership. All special meetings require a quorum.

D. All members must be informed of a special meeting at least two days in advance. This will be done by telephone or e-mail by the President or a person in the 10% of membership.

E. Robert's Rules of Order, Newly Revised shall be followed unless procedure contrary to Robert's Rules of Order is dictated by the constitution.

IX. Rules and Regulations

A. The club will follow federal laws, laws of the state of Missouri, and rules of the University of Missouri System.

X. Constitution

A. A 2/3 vote of the membership present at the meeting is required for adoption of the constitution. The constitution will become operative when approved by the Student Affairs Committee and the Academic Council or their appointed representative.

B. Any member may propose a Constitutional amendment.

C. A proposed Constitutional amendment must be in an electronic format with all additions in bold italics and deletions in brackets.

D. A proposed Constitutional amendment must be submitted to the Executive Board for review.

E. The Executive Board will take no more than 30 days to review the proposed Constitutional amendment. If accepted, the President will notify all members about the upcoming vote on the Constitutional amendment at least two days in advance.

F. A Constitutional amendment may only be voted on at a regular meeting.

G. A Constitutional amendment is adopted when 2/3 of membership present vote for it. The Constitutional amendment will become operative when approved by the Student Affairs Committee and the Academic Council.

XI. Definitions

A. UMR: The University of Missouri-Rolla

B. Member: Any person who has expressed interest in the organization to the President, has signed the club's waiver, and paid the dues.

C. Student: Anyone currently enrolled in classes at UMR full time or part time.

D. Academic Year: The period of time from the first day of classes in Fall semester to the last day of finals' week following the Winter semester.

E. Quorum: Fifty percent of the current membership.

F. Plurality: The candidate getting the most votes for the office is elected.

G. Inappropriate or Abusive Behavior: Offensive, destructive, or disturbing remarks or actions, that may result in harm to practices, club members, or anyone/anything else as judged by at least fifty percent of members present or the Instructor.

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Memo To: Academic Council
From: UMR Campus Curriculum Committee Meeting
RE: March 7 and April 4, 2006 Meetings

The UMR Campus Curricula Committee recommends to the Academic Council that the curriculum changes and degree proposals on the following DC forms be approved.

Approved DC forms:
DC 182, College of Arts and Sciences, Biological Sciences, approved effective Fall 2007.
A proposal to change the current curriculum for the BS in Biological Sciences.

DC 0183, School of Engineering, Interdisciplinary Engineering, approved effective Fall 2006.
A proposal to create a new Master of Science in Interdisciplinary Engineering.

DC 0184, School of Engineering, Interdisciplinary Engineering, approved effective Fall 2006.
A proposal to create a new Ph.D. in Interdisciplinary Engineering.

DC 0185, School of Engineering, Systems Engineering, approved effective Fall 2006. A proposal to change the current curriculum for the MS in Systems Engineering by replacing EMgt 308, 314, and 361 with Sys Eng 413, 411, and 412.

DC 0186, School of Engineering, Mechanical Engineering/Manufacturing Process Emphasis Area, approved effective Fall 2006. A proposal to modify the current emphasis area in Manufacturing Processes.

DC 0187, SMIS, Business and Management Systems, approved effective Fall 2006. A proposal to change the current curriculum for the BS in Business and Management Systems by replacing Bus 250 with Fin 250.

DC 0188, SMIS, Information Science & Technology, approved effective Fall 2006. A proposal to change the current curriculum for the BS in Information Science & Technology by replacing IST 286 with IST 246 and IST 221 with IST 286.

DC 0189, SM&IS, Business and Management Systems, approved effective Fall 2006. A proposal to modify the current curriculum for the BS in Business and Management Systems by replacing IST 346 with IST 246.

DC 0197, School of Engineering, Electrical Engineering, approved effective Fall 2006. A proposal to change the course listings for the Power Emphasis area under Electrical Engineering by replacing EE 306 with EE 307.

DC 0199, School of Engineering, Aerospace Engineering, approved effective Fall 2006. A proposal to modify the current curriculum for the BS in Aerospace Engineering.

DC 0200, College of Arts and Sciences, Psychology, approved effective Fall 2006. A requirement clause of ,"At least 6 hours of work in the Psychology Minor must be completed in residence at UMR", will be added after the Psychology Minors in the Undergraduate Catalog.

The UMR Campus Curricula Committee recommends to the Academic Council that the course changes on the following CC forms be approved.

Approved CC forms:
CC 7016, Engineering 111, Experiential Design. New course approved effective Spring 2007.
Catalog Description: Members of the class will learn modern design methods and will have the opportunity to gain hands-on experience through team projects
Credit Hours: .5 hour lecture
Prerequisites: None

CC 7017, Environmental Engineering 467, Civil Engineering 467, Environmental Chemistry. The following change is approved effective Fall 2006.
Credit Hours – Present: 3 hour lecture
Proposed: lecture: 2 lab:1 Total: 3

CC 7018, Engineering Management 257, Mechanical Engineering 256, Materials Handling and Plant Layout. The following change is approved effective Fall 2006.
Prerequisites – Present: Emgt 282 or Mc Eng 153
Proposed: None

CC 7019, Engineering Management 344, Mechanical Engineering 344, Chemical Engineering 384, Interdisciplinary Problems in Manufacturing Automation. The following change is approved effective Fall 2006.
Prerequisites – Present: Emgt 334
Proposed: None

CC 7020, Engineering Management 434, Advanced Manufacturing Systems Integration. The following change is approved effective Fall 2006.
Prerequisites – Present: Emgt 334
Proposed: None

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CC 7022, Military Science 15, Foundations of Officership. The following changes are approved effective Fall 2006.
Course Title – Proposed: Leadership and Personal Development
Catalog Description – Proposed: Mil Sci 15 introduces cadets to the personal challenges and competencies that are critical for effective leadership. Cadets learn how the personal development of life skills such as critical thinking, goal setting, time management, physical fitness, and stress management relate to leadership, officership, and the Army profession.

CC 7023, Military Science 25, Basic Leadership. The following changes are approved effective Fall 2006.
Course Title – Proposed: Introduction to Tactical Leadership
Course Description – Proposed: Mil Sci 25 overviews leadership fundamentals such as setting direction, problem-solving, listening, presenting briefs, providing feedback, and using effective writing skills. Cadets explore dimensions of leadership values, attributes, skills and actions in the context of practical, hands-on, and interactive exercises.

CC 7024, Military Science 35, Individual Leadership Studies. The following change is approved effective Fall 2006.
Course Title – Proposed: Innovative Team Leadership

CC 7025, Military Science 40, Leadership and Teamwork. The following change is approved effective Fall 2006.
Course Title – Proposed: Foundations of Tactical Leadership
Catalog Description – Proposed: Mil Sci 40 examines the challenges of leading tactical teams in the complex contemporary operating environment (COE). The course highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army leadership framework explores the dynamics of adaptive leadership in the context of military operations.

CC 7026, Military Science 105, Leadership and Problem Solving. The following changes are approved effective Fall 2006.
Course Title – Proposed: Adaptive Tactical Leadership
Catalog Description – Proposed: Mil Sci 105 Challenges cadets to study, practice, and evaluate adaptive leadership skills as they are presented with scenarios related to squad operations. Cadets receive systematic and specific feedback on their leadership attributes and actions. Based on such feedback and self-evaluations, cadets continue to develop their leadership and critical thinking abilities.

CC 7027, Military Science 106, Leadership and Ethics. The following changes are approved effective Fall 2006.

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CC 7032, Biological Sciences 212, Cell Biology Laboratory. Tabled, department needs to do a DC form.
Catalog Description: Laboratory course to accompany Cell Biology (Biol 211).
    Laboratory work includes microscopy, biochemical assays, enzymology, and
    genetic analysis (PCR, mapping, electrophoresis, transfection, sequencing).
Credit Hours: 1 hour lab
Prerequisites: Preceded or accompanied by Biol 211

CC 7033, Systems Engineering 404, Computer Science 404, Computer Engineering 404, Data Mining and Knowledge Discovery. New course approved effective Fall 2006.
Catalog Description: Data mining and knowledge discovery utilizes both classical and
    new alogorithms, such as machine learning and neural networks, to discover
    previously unknown relationships in data. Key data issues to be addressed include
    knowledge representation and knowledge acquisition (automated learning).
Credit Hours: 3 hour lecture
Prerequisites: Graduate standing

CC 7034, Engineering Management 404, Data Mining and Knowledge Discovery.
Course deletion approved effective Spring 2006.

CC 7035, Computer Engineering 311, Introduction to VLSI Design. The following change is approved effective Fall 2006.
Credit Hours – Present: Lecture: 2 Lab: 1 Total: 3
                Proposed: 3 hour lecture

CC 7036, IST 446, Business 446, Enterprise Resource Planning: Systems Config and Integration. New Course approved effective Spring 2007.
Catalog Description: Implementation and design practices for business processes in
    Enterprise Resource Planning (ERP) systems. The course will examine and apply
    techniques used in SAP R/3 for system configuration and integration, with focus on
    logistics and finance.
Credit Hours: 3 hour lecture
Prerequisites: IST 346 or Bus 326

CC 7037, Geology 350, Paleoclimatology and Paleoecology. New course approved effective Fall 2006.
Catalog Description: This course will introduce students to the elements of climate,
    evidence of climate changes, proxy measurements and paleoclimate models. There
    is a review of Holocene climates and Archean to Pleistocene paleoclimates.
Credit Hours: 3 hour lecture
Prerequisites: Geology 52

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CC 7038, Geology 437, Advanced Palynology. The following change is approved effective Fall 2006.
Prerequisites – Present: Geology 223 or 329
                        Proposed: Geology 227 or 329

CC 7039, Systems Engineering 413, Economic Analysis of Systems Engineering Projects. New course approved effective Fall 2006.
Catalog Description: Economic evaluation of complex engineering systems for government defense and commercial industries; choosing system alternatives using engineering economic analysis; quantitative techniques for evaluating non-monetary consequences; life cycle costing, formal treatment of risk, uncertainty, and project cost monitoring.
Credit Hours: 3 hour lecture
Prerequisites: Graduate Standing

CC 7040, Systems Engineering 411, Systems Engineering Management. New course approved effective Fall 2006.
Catalog Description: This course covers modern methods of effective management of complex systems, and systems of systems. Effective team building and integrated product and process development in a diverse and global work environment is the central theme. Topics include leadership, quality tools, concurrent engineering, communication and performance evaluation.
Credit Hours: 3 hour lecture
Prerequisites: Graduate Standing

CC 7041, Systems Engineering 412, Complex Engineering Systems Project Management. New course approved effective Fall 2006.
Catalog Description: Explore issues related to planning, scheduling, and controlling complex engineering projects. Issues specific to distributed project planning and control, development of Systems Engineering Management Plan, Integrated Master Schedule and Integrated Master Plan, and monitoring technical performance, schedule and risk will be discussed.
Credit Hours: 3 hour lecture
Prerequisites: Graduate Standing

CC 7042, Music 310, Symphonic Bands. New course approved effective Fall 2006.
Catalog Description: An auditioned ensemble. Students perform music for wind ensemble and large bands. Music from 1400-present is performed in a concert setting.
Credit Hours: 1 hour lab
Prerequisites: Consent of instructor – audition only

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CC 7042, Mechanical Engineering 339, Aerospace Engineering 339, Computational Fluid Mechanics. The following changes are approved effective Fall 2006.
Course Title – Proposed: Computational Fluid Dynamics
Prerequisites – Present: Cmp Sc 73, one course in fluid mechanics
Proposed: Cmp Sc 53 or 73 or 74; one course in fluid mechanics

CC 7043, Mechanical Engineering 360, Aerospace Engineering 360, Probabilistic Engineering Design. New course approve effective Fall 2006.
Catalog Description: The course deals with uncertainties in engineering analysis and design at three levels uncertainty modeling, uncertainty analysis, and design under uncertainty. It covers physics based reliability analysis and reliability-based design, robustness assessment and robust design, their integration with design simulations, and their engineering applications.
Credit Hours: 3 hour lecture
Prerequisites: Mc Eng 208 or Ae Eng 261

CC 7044, Systems Engineering 449, Computer Engineering 449, Network-Centric Systems Reliability and Security. New course approved effective Spring 2007.
Catalog Description: This course presents reliability and fault tolerance for network-centric systems, including models, metrics, and analysis techniques. This course also concentrates on security, including technical tools and methods for audit and assessment as well as management and policy issues.
Credit Hours: 3 hour lecture
Prerequisites: SysE/CpE 419 or CpE 349

CC 7045, IST 246, Introduction to Enterprise Resource Planning. New course approved effective Fall 2006.
Catalog Description: Fundamentals of enterprise resource planning (ERP) systems concepts, and the importance of integrated information systems in an organization. The focus of this course is on illustrating procurement, production, and sales business processes using ERP software. Use of SAP as an example ERP system.
Credit Hours: 3 hour lecture
Prerequisites: IST 141

CC 7046, IST 221, Internet Concepts & Applications. The following changes are approved effective Fall 2006.
Course Number – Proposed: 352
Course Title – Proposed: Advanced Web Development
Catalog Description – Proposed: Advanced Web development techniques to provide dynamic interaction; methods for extracting and delivering dynamic information to/from Web servers—a hands-on approach. Interaction with other Web servers, especially database servers, to obtain and deliver information. Project work is required.

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CC 7047, Computer Science 332, IST 353, Modular Software Systems. New course approved effective Spring 2007.

Catalog Description: Introduction to Software Life Cycle pertaining to characteristics of large modular software systems. Exploration of software support for such systems, using Java, including use of GUI features, advanced I/O and String handling, Interfaces, Abstract classes, Generics and other modularity features. Program project included.

Credit Hours: 3 hour lecture

Prerequisites: CS 253 or IST 231

CC 7051, Computer Engineering 325, Electrical Engineering 325, Optical Computing. New course approved effective Fall 2006.

Catalog Description: Introduction to the principles, subsystems, and architectures of optical computing. Topics include characteristics of optical devices; optical implementations of memory, logic elements, and processors: and computational structures.

Credit Hours: 3 hour lecture

Prerequisites: CpE 111 or equivalent

CC 7052, Electrical Engineering 325, Computer Engineering 325, Optical Computing, Fall 2006.

Prerequisites – Present: CpE 111 and EE 271 or equivalent
              Proposed: CpE 111 or equivalent

Co-listing: CpE 325

CC 7053, Mechanical Engineering 261, Analysis and Synthesis in Engineering Design. The following changes are approved effective Fall 2006.

Course Title – Proposed: Engineering Design

Catalog Description – Proposed: Real-life design projects emphasize problem definition, conceptualization, modeling, approximation techniques and optimization. Teamwork, communication, leadership and group discussions are encouraged. Student group and professional expert presentations bring awareness to diverse design issues and methodology, and professional engineering practice.

Prerequisites – Present: Mc Eng 208, 225, 231
              Proposed: Mc Eng 208, 225, 231; should be taken in final semester

CC 7055, IST 353, Modular Software Systems in Java, Spring 2007. Withdrawn by department. This course was approved on CC 7047 as a co-listed course with Comp Sci 332.

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For the information of the Academic Council, the following EC forms have been submitted by the University departments for an experimental course that will be offered in the near future.

Approved EC forms:

EC 1778, History 301, American Environmental History, approved effective Summer 2006.

Course Description: American Environmental History discusses the interaction of people with the Western Hemisphere's physical environment, 1500-present. This course looks at how humans envision the environment, how they interact with their surroundings, and how the changes that occur with that interaction influence not only their cultures, but the physical environment as well.

Credit Hours: 3 hour lecture

Prerequisites: Hist 175 or Hist 176 or Hist 112

EC 1779, Psychology 301, The Social Psychology of Health, approved effective Fall 2006.

Course Description: This course examines Health Psychology. Topics will include basic behavioral pharmacology (involving alcohol & other drugs), illusions of invulnerability to risk, stress and coping, and the science of persuading people to protect their health. Students will learn how to construct a public service announcement towards a societal problem as part of the course.

Credit Hours: 3 hour lecture

Prerequisites: Psych 50

EC 1780, Computer Science 301, Evolutionary Computing, approved effective Spring 2007.

Course Description: Introduces evolutionary algorithms, a class of stochastic, population-based algorithms inspired by natural evolution theory (e.g., genetic algorithms) capable of solving complex problems for which other techniques fail. Students will implement course concepts, tackling science, engineering and/or business problems.

Credit Hours: 3 hour lecture

Prerequisites: Cmp Sc 253 and a statistics course

EC 1781, Computer Engineering 201, Computer Organization and Design, approved effective Fall 2006.

Course Description: Introduction to basic concepts of computer organization and design; metrics for computer performance, computer arithmetic, Von Neuman architecture, implementing instructions, control unit, instruction pipelining, pipelining hazards and their mitigation, memory systems hierarcy, cache memories, basic I/O controllers such as keyboard.

Credit Hours: 3 hour lecture

Prerequisites: Cp Eng 111

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EC 1782, Systems Engineering 401, Economic Analysis of Systems Engineering Projects, Summer 2006.
Course Description: Economic evaluation of complex engineering systems for government defense and commercial industries; choosing system alternatives using engineering economic analysis; quantitative techniques for evaluating non-monetary consequences; life cycle costing, formal treatment of risk, uncertainty, and project cost monitoring.
Credit Hours: 3 hour lecture
Prerequisites: Graduate Standing

EC 1783, Systems Engineering 401, System Engineering Management, approved effective Summer 2006.
Course Description: This course covers modern methods of effective management of complex systems, and systems of systems. Effective team building and integrated product and process development in a diverse and global work environment is the central theme of the course. Topics to be covered include leadership, quality tools and associated philosophy, concurrent engineering, communication and performance evaluation.
Credit Hours: 3 hour lecture
Prerequisites: Graduate Standing

EC 1784, Systems Engineering 401, Complex Engineering Systems Project Management, approved effective Summer 2006.
Course Description: Explores issues related to planning, scheduling, and controlling complex engineering projects. Issues specific to distributed project planning and control, development of Systems Engineering Management Plan, Integrated Master Schedule and Integrated Master Plan, and monitoring technical performance, schedule and risk will be discussed.
Credit Hours: 3 hour lecture
Prerequisites: Graduate Standing

EC 1785, IST 401, Database Marketing, approved effective Spring 2007.
Course Description: Introduce students to methods & concepts used in database marketing, such as 1) predictive modeling techniques (e.g., regression, decision trees, cluster analysis) and 2) standard processes for mapping business objectives to data mining goals to produce a deployable marketing model. Metrics like lifetime value of a customer and ROI will be covered. Several application areas will be covered.
Credit Hours: 3 hour lecture
Prerequisites: Ability to work with statistics, databases, and spreadsheets

EC 1786, IST 301, Telecommunications Management, approved effective Spring 2007.

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Course Description: Management of the business and technology aspects of telecommunications services, including both the skills to manage a business and the skills to effectively design select, implement, and operate telecommunications technology. Topics include managerial skills, technology planning, operations management, and planning & acquisition management.
Credit Hours: 3 hour lecture
Prerequisites: Bus 110 and IST 233

EC 1787, Geology 401, Advanced Paleoclimatology and Paleoecology, approved effective Fall 2006.
Course Description: Advanced study of paleoclimatic and paleoecologic processes since the Archean, and the interpretation of Holocene climate changes, including human impacts. Extensive presentations and discussions of current ideas and techniques in paleoclimatic studies.
Credit Hours: 3 hour lecture
Prerequisites: Geology 223 and 227

EC 1788, Business 301, International Business, approved effective Summer 2006.
Course Description: This survey course will deal with business concepts, analytical processes and philosophical bases for international business operations. Emphasis is on environmental dynamics, multinational business organizations, cultural and economic constraints, unique international business practices and international operations, strategy and policy.
Credit Hours: 3 hour lecture
Prerequisites: Bus 240

EC 1789, Aerospace Engineering 401, Advanced Astrodynamics, approved effective Summer 2006.
Course Description: Analysis of spacecraft motion using different dynamic models and perturbations. Use of the state transition matrix and differential corrections technique for trajectory computation. Orbit determination and station-keeping methods. Introduction to the three-body problem. Application of computational and analytic methods to solve astrodynamic problems.
Credit Hours: 3 hour lecture
Prerequisites: Ae Eng 314 or equivalent

EC 1790, Engineering Management 301, Case Studies in Project Management, approved effective Fall 2006.
Course Description: Includes the main components of the Project Management Institute (PMI) Body of Knowledge; case studies in project management including project implementation, organizational structures, project estimating, project scheduling, project risk management, and conflict management.
Credit Hours: 3 hour lecture

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Prerequisites: Emgt 361

EC 1791, Nuclear Engineering 401, Advanced Mathematics for Nuclear Engineers, approved effective Fall 2006.
Course Description: Advanced application of ordinary and partial differential equations in the solution of nuclear engineering problems, particularly with the neutron transport equations. Bessel's equation, Legendre's equation and special functions, eigenvalue problems, Green's function, integral methods and transformations.
Credit Hours: 3 hour lecture
Prerequisites: NE 303

EC 1792, Statistics 301, Statistical Consulting, approved effective Spring 2007
Course Description: A discussion and case-study based course providing background and experience needed to be successful in a typical statistical consulting role: professional and ethical standards, contracting, interpersonal and listening skills. Actual consulting experience may be included.
Credit Hours: 3 hour lecture
Prerequisites: Stat 213 or 215 or 217; and one of Stat 353 or Stat 346 or Stat 444

EC 1793, Technical Communication 301, Proposal Writing, approved effective Spring 2007.
Course Description: A focus on the proposal as a fundamental aspect of corporate, government and academic institutions, with emphasis on the conventions and rhetorical elements of the proposal genre.
Credit Hours: 3 hour lecture
Prerequisites: English 65

EC 1794, MSE 301, Materials Selection in Mechanical Design, effective Spring 2007. Tabled.
Course Description: The course will introduce the basics of materials selection in mechanical design. It will also introduce the benefits of computational materials and process selection. The students will also learn to use commercially available materials selection software.
Credit Hours: 3 hour lecture
Prerequisites: Met 121

EC 1795, Nuclear Engineering 401, Two-phase Flow in Energy Systems II, approved effective Fall 2006.
Course Description: This is the first graduate level course for those who are interested in the two-phase flow applications in energy systems. This course will acquaint students with knowledge on various tow-phase flow phenomena encountered in both adiabatic and heated systems, and their mechanistic models. This course also introduces both the conventional and state-of-the-art two-phase flow formulations.

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Credit Hours: 3 hour lecture
Prerequisites: NE 221 or Ch Eng 231 or ME 231

EC 1796, Mechanical Engineering 301, Chemical Engineering 301, Ceramic Engineering 301, Mechanics of Biological Tissues, approved effective Fall 2006.
Course Description: Mechanical behavior of a model cell. Thermo-visco-elasticity of polymer chains and networks, and molecular interpretation. Multi-scaling of cell filaments, membranes, whole cell and tissues. Biomedical applications in artificial insemination, tissue engineering and ophthalmology.
Credit Hours: 3 hour lecture
Prerequisites: Mc Eng 219 or Mc Eng 227 or Ch Eng 141 or Cer Eng 259 or the equivalent, and Math 204

EC 1797, Engineering Management 401, Tolerance Design, approved effective Fall 2006.
Course Description: This course is an examination of the theory and practice of allowance allocation for high quality and low cost manufacture of mass-produced consumer products, including technology intensive products, such as automobiles, trucks, military and commercial airplanes, computers and consumer electronics.
Credit Hours: 3 hour lecture
Prerequisites: Emgt 375 or equivalent

EC 1798, Engineering Management 201, Introduction to Project Management, approved effective Fall 2006.
Course Description: This course covers the fundamentals of project management including project definition, project selection, project planning, estimating, scheduling, resource allocation nad project control.
Credit Hours: 3 hour lecture
Prerequisites: None

EC 1802, Computer Engineering 301, Electrical Engineering 301, Systems Engineering 301, Wireless Networks, approved effective Summer 2006.
Course Description: Overview of wireless communications and networking, transmission fundamentals and wireless channel, signal coding techniques and error control, satellite communications, cellular networks, cordless systems, mobile IP and mobility management, multiple access techniques and wireless access protocols, wireless LAN, IEEE 802.11, and introduction to wireless adhoc and sensor networks.
Credit Hours: Lecture: 2 Lab: 1 Total: 3
Prerequisites: EE 243 or CpE 213; and hardware competency

EC 1803, Mechanical Engineering 301, Chemical Engineering 301, Ceramic Engineering 301, Biological Sciences 301, Mechanics of Biological Tissues, approved effective Fall 2006.

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Course Description: This course will introduce the students to biomechanics of single cells and tissues, characterization methods, and biomedical applications. Topics include 1) Mechanics of a model cell, 2) Time and temperature dependent mechanical behavior of polymer chains and networks, 3) Multi-scaling of cell filaments, membranes, the whole cell, multi-cell aggregate and tissues, and 4) Biomedical applications.
Credit Hours: 3 hour lecture
Prerequisites: IDE 110, IDE 120, Mc Eng 219, Math 204

EC 1808, IST 401, Information Network Analysis, approved effective Fall 2006.
Course Description: Focus is on applied analysis of complex information networks in the form of web and text systems. Topics include web system link analysis, text mining, consensus analysis, collaborative filtering, recommender systems. Uses interactive data analysis tools such as SAS.
Credit Hours: 3 hour lecture
Prerequisites: Database and Statistics Familiarity

EC 1809, IST 301, Use of Business Intelligence, approved effective Fall 2006.
Course Description: Application of "intelligent" techniques from CS (AI, data mining), and OR (stochastic modeling, simulation, forecasting) to business decision-making. Overview of the theory, but with a focus on the application to business problem solving. Use of SAP as a tool to access and present data, search for patterns, and identify exceptions, as well as forecast, optimize, and schedule resources.
Credit Hours: 3 hour lecture
Prerequisites: Database experience

J. Keith Nisbett, Chair
UMR Campus Curricula Committee

an equal opportunity institution

Jaquess, Lois

From: Fitch, Stephanie L.

nt: Thursday, April 13, 2006 10:59 AM

To: Jaquess, Lois

Subject: Student Affairs Committee Report for AC mtg 4/20/06

Dear Lois,

The Student Affairs Committee Wishes to enter the following report into the minutes of the Academic Council:

        TO: Academic Council
        FROM: Student Affairs Committee
        RE: Revocation of Recognition for Inactive Student Groups

        Dear Academic Council,

        At the April 6, 2006 meeting of the Student Affairs Committee (as well as by email throughout the month prior to that meeting), the Committee was informed by the Office of Student Life that the following Recognized Student Organizations have been officially deemed inactive due to lack of student membership for at least two semesters:

- Society of American Military Engineers
- Up 'til Dawn
- Association of US Army
- Future Investor's Club
- Society of Automotive Engineers
- Malaysian Students Organization
- Sigma Pi Sigma
- Racquetball Club
- Flyfishing Club
- Raiders

        As per the regulations in the Student Handbook as well as procedures established by the Academic Council, the RSO status of these organizations has been revoked. If the organizations become active in the future, they may apply for reinstatement of RSO status.

        Respectfully Submitted,
        Stephanie L. Fitch
        Chair, Student Affairs Committee

4/13/2006

Volume XXXVI, Number 7
Minutes of the Special Academic Council Meeting
March 9, 2006

I. Call to Order and Roll
The meeting was called to order at 14.00 by President Schwartz and roll was taken. The following absentees were noted: Hines, Herade, Dunn-Norman, Atekwana. Substitutions were: Moore for Mullin, Nisbett for Balakrishnan.

II. Special Agenda Items – Robert Schwartz
A. Public Occasions Calendar for 2006-07
AC **voted** to accept the 2006-7 Public Occasions dates as submitted.

B. Revision of the Academic Calendar for 2007-08
AC **voted** to accept the revisions in the 2007-8 Academic Calendar as submitted.

C. Resolution AC0506r4 - In Support of Matching Funds for the Toomey Hall Project
AC **voted** to accept the resolution as submitted.

D. Report on Proposed Academic Administrative Realignment
AC **voted** to include the following amendment at the end of the report: *In view of the importance of this restructuring, the advantages and disadvantages of the proposed realignment need to be better defined.*
AC **voted to accept** the resolution as submitted with the addition of the amendment above.

E. Motion to Poll Faculty on the Academic Administration Realignment
AC **voted** to poll the faculty via the following motion:
It is moved that Academic Council conduct a preference poll of the General Faculty with respect to the proposed academic administrative realignment. The poll below will be transmitted to the faculty on Friday, March 10th with a requested reply by Tuesday, March 14th. The numerical results will be forwarded to the Chancellor and General Faculty and the comments will be provided to the Chancellor and the officers of Academic Council.

```
Administrative Structure Preference Poll
Please rank (i.e., 1 – first choice, 2 – second
choice, 3 – third choice or check "no
preference") the options below regarding
academic administrative structure in order of
preference.

____ A four school/college model

____ A two school model

____ An administrative model without schools

____ No preference

Comments:
```

The meeting was adjourned at approximately 15.15.

Respectfully Submitted,

Frank Blum
Secretary

Copies of the reports may be found on the 05-06 Academic Council web page under AC Meetings.

* Minutes of the Academic Council are considered official notification and documentation of actions approved.

School of Management & Information Systems

Business Administration Department
101 Fulton Hall
Rolla, MO 65409-0320
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smis@umr.edu

UMR

UNIVERSITY OF MISSOURI-ROLLA

March 9, 2006

Memo to: Academic Council
From: UMR Student Affairs Committee
RE: Student Gaming Referral

The UMR Student Affairs Committee offers the following report to the Academic Council in reference to the issue of student gaming on campus.

UMR recently dedicated a server to allow students to play the multi-player game "Counter-Strike". Students must first purchase their own copies of "Counter-Strike" before they are able to connect to the server. Three environments are available in which players interact, two of which are available only for campus use (max 8 players each), and one of which is public (max 20 players).

The server was provided at no cost and has essentially no management overhead. All administration of the server and game is handled by student volunteers. If such a server were purchased new, the cost would be about $800. The IT Director of Networks and Computer Systems indicated that if this server were not being used for this purpose, it would likely not currently be in use at all and would essentially be surplus equipment.

While there may be concerns as to students becoming "addicted" to computer gaming, it was noted by the committee that the only game offered on the server is one that is not an ongoing type of game, and that a single match has a duration of only about 10 minutes; essentially making the game itself the equivalent of an arcade-type game, like air hockey.

Use of the server is sporadic at this time, and no records are kept of its use. No complaints were reported by the IT Director of Networks and Computer Systems.

The Student Affairs Committee, which is comprised of about half student members, strongly feels that it is the responsibility of each individual student to determine whether or how much to participate in computer gaming activities, and that the university should not condone or condemn such activity. Making a server available was not considered by the committee to do either. In fact, our representatives indicate that students in general appreciate the fact that IT has made a server available for this purpose.

The Student Affairs Committee therefore recommends that no further action be taken concerning the issue of computer gaming at this time.

Respectfully Submitted,

Stephanie L. Fitch
Chair, UMR Student Affairs Committee

CONSTITUTION AND BY LAWS
OF THE
UMR VOLLEYBALL CLUB

Article 1. Name of Organization

1.01 The name of the organization shall be the UMR Volleyball Club, hereafter referred to as "Organization."

Article 2. Objectives and Purposes

2.01 The purposes for which the Organization is to be organized shall be consistent with the educational aims and objectives of the University of Missouri-Rolla. No purpose or objective of the Organization shall be in conflict with applicable state or federal laws presently in force or hereafter. The Organization will abide by all University regulations.

2.02 The specific purposes and objectives which Organization shall be organized to pursue include promoting participation and encouraging interest in the game of volleyball not only for the enjoyment of the game itself but also for the social and personal benefits derived from the sport.

Article 3. Membership

3.01 Membership in the Organization shall be open to all University of Missouri students, faculty, and staff members without regard to race, color, religion, gender, sexual orientation, national origin, age, or disability.

3.02 The Organization must have at least five student members.

3.03 All Student Members shall have equal rights and privileges with respect to the election of the Officers.

3.04 Membership may be revoked if deemed necessary by the Organization. A two-thirds (2/3) affirmative vote of the Membership is required to revoke membership. Said Member shall be given the opportunity to speak on his or her behalf to the membership. A Membership removal notice shall be given to the Member at least one week prior to the removal vote.

3.05 Membership roster is to be supplied to the Department of Student Life each fall and spring semesters.

Article 4. Officers and Duties

4.01 The Officers of the organization shall consist of a President, a Vice President, a Secretary, and a Treasurer who, with the Advisor to the organization, shall constitute the Executive Committee of the Organization.

4.02 Only UMR students shall be eligible to be an Officer of the Organization.

4.03 Any UMR student eligible to an Officer of the Organization must be in good standing with the University as per the UMR Academic Council.

4.04   The Officers of the Organization shall be elected by a plurality vote of the Members present during a meeting to be called by the last week of the spring semester for the express purpose of electing the officers. Any Officer of the Organization shall be required to be in residence at UMR while they are in office. All officers are to be reported to the Department of Student Life upon approval.

4.05   The President shall call all meetings of the Membership, regular or otherwise, and shall serve as the chairperson of such meetings. In addition, the President shall, with the advice of the Executive Committee, plan and coordinate the events to be sponsored by the Organization in forthcoming semesters; with the Treasurer, shall prepare and present any budget requests to the Student Activity Funding Board; and shall be the main representative of the Organization to the University.

4.06   In the absence of the President, or should the President prove unable or unwilling to perform the duties described in Section 4.05 above, the Vice President shall assume the responsibilities of the President. In addition, the Vice President shall preside over all meetings of the Executive Committee called pursuant to Section 5.06 below and shall also perform other duties as the President may assign from time to time.

4.07   The Treasurer shall be responsible for maintaining accurate financial records of the Organization and shall be allowed to request funds for the Organization. The Treasurer, with the President, shall prepare and present any budget requests to the Student Activity Funding Board. The Treasurer shall insure that all University funds are properly used as per the University regulations.

4.08   The Secretary shall be responsible for recording accurate minutes of any meeting, regular or otherwise, of the Membership or the Executive Committee. The Secretary shall be responsible for the writing and distribution of notices to the Membership informing them of any meeting or other Organization activity, and furthermore shall at all times maintain an accurate and complete list of the Membership of the Organization.

4.09   The Advisor to the Organization must be a UMR faculty or staff member who is employed by the University at least 75% FTE. A plurality vote of the Membership is required to approve the Advisor; he or she may be removed by the Membership by an affirmative plurality vote. The Advisor is encouraged to attend all meetings of the Executive Committee as a non-voting member thereof and shall provide guidance and administrative assistance in the preparation of a program of activities to be pursued by the Organization in forthcoming semesters.

4.10   The Executive Committee shall notify the Membership of upcoming activities and seek approval.

4.11   Any Officer of the Organization may resign at any time by delivering a written notice of such to the President, or in case of the resignation of the President, to the Vice President.

4.12   At the next regular meeting of the Membership of the Organization, an election shall be held to elect an Officer to fill the vacant position.

4.13   If any Officer of the Organization is absent from the UMR campus for any leave or off-campus semester, an election shall be held at the first meeting of such semester to elect an individual to serve as such Officer until the regularly elected Officer shall return to campus.

4.14 Any Officer of the Organization may be removed from such office if deemed necessary by the Organization. A two-thirds (2/3) affirmative vote of the Membership is required to remove the Officer. Said Officer shall be given the opportunity to speak on his or her behalf to the Membership. An Officer Removal Notice shall be given to the officer at least one week prior to the removal vote.

Article 5. Quorum and Meetings

5.01 A quorum shall exist at any Meeting of the Membership where at least fifty percent (50%) of the Members are in attendance.

5.02 Actions requiring a plurality vote at any Meeting at which quorum is not present may be submitted to the Members for an e-mail vote.

5.03 Regular Meetings (herein so-called) of the Organization shall be held at least twice per semester at such time and place to be determined by the President.

5.04 A Special Meeting (herein so-called) of the Membership shall be called upon written request to the President of at least twenty-five percent (25%) of the Members.

5.05 All Members shall be notified of any Meeting and the nature of the business to be transacted there at least one day before such Meeting. No Meeting shall be called with the intent to exclude any one Member or any portion of the Membership.

5.06 The Executive Committee of the Organization shall meet at least once before any Meeting of the Membership at such time and place to be determined by the President. At such Meetings of the Executive Committee a quorum shall be deemed to be the attendance of any three (3) members of the Executive Committee.

5.07 All Meetings will use Robert's Rules of Order, Newly Revised as the parliamentary authority.

5.08 The order of business for all Meetings shall be as follows:
1. Minutes of Last Meeting
2. Officer Reports
3. Committee Reports
4. Old Business
5. New Business
6. Good of the Order
7. Close

Article 6. Voting

6.01 Each Student Member shall have one (1) vote.

6.02 There shall be no absentee or proxy voting with respect to any matter other than the nomination and election of Officers.

6.03 All motions except those described in Section 7.02 below require an affirmative vote of a majority of the Membership to be effective.

6.04 All votes of the Executive Committee shall require an affirmative vote of three (3) of the Officers to be effective.

Article 7.   Miscellaneous

7.01   This Constitution shall have been presented to the Membership of the Organization and shall be ratified by a majority vote thereof, as well as by approval of the UMR Student Affairs Committee and the approval of the UMR Academic Council.

7.02   This Constitution may be amended or repealed by a two-thirds (2/3) majority vote of the Members of the Organization; approval of the UMR Student Affairs Committee or their designee.

7.03   Organization By-Laws ratification and any amendments require a simple majority vote of the Members present at the Meeting of the Membership.

7.04   This Constitution and By-Laws and any amendments and changes hereto shall be kept on record with the Department of Student Life and shall be made available to any Member of the Organization for inspection during reasonable office hours.

Article 8.   Interpretation

8.01   Final interpretation of the Constitution and the By-Laws shall be delegated to the President.

BY-LAWS

Article 1. Dues and Fees

1.01   The UMR Volleyball Club is amateur in the strictest sense of the word and finances itself through its own Membership and through funds made available by UMR Activity Fess Board.

1.02   Membership fees shall be determined by a simple majority vote of the Membership present during a Meeting of the Membership.

1.03   Membership fees shall be collected of only Members on the Team(s) Roster.

Article 2. Team(s) Roster

2.01   Each Team Roster is made up of two Team Captains, Starters, and Alternates.

2.02   Any Member of the Organization may tryout for a starting position on any organized tournament team, sanctioned by the Organization, provided that the rules of the tournament are met.

2.03   The starting positions available for each team shall be decided by the team's respective Team Captains.

2.04   Each starting position shall be elected by a simple majority vote of Members who tried out for the positions.

2.05   Alternates will be selected by the Team Captains.

2.06   The policy of selection of Members to be on the Team Roster(s) will depend on the player's ability, payment of dues, attendance record and general interest and service to the Organization.

Article 3. Games and Practices

3.01   Game schedules for the month will be determined two weeks prior to each month by the two Team Captains and then must be approved by the Team Roster.

3.02   All Members on the Team Roster must be present one half hour before all games.

3.03   Practices will be held weekly when convenient for the majority of the Team Roster.

Constitution of the Association for Computing Machinery's Committee on Women in Computing

Article I
Name

1. This organization shall be called the University of Missouri Rolla Chapter of the Association for Computing Machinery's Committee on Women in Computing. The organization shall also be known as ACM-W at UMR.

Article II
Purpose

1. The Chapter is organized and will be operated exclusively for educational and scientific purposes, in promotion of the following:

   a. An increased knowledge of and greater interest in the contributions of women in the science, design, development, construction, languages, management, and applications of modern computing.
   b. Improvement of the learning and working environments of women in computing.
   c. Increased recruitment and retention of women in computing throughout the pipeline including activities for girls in K-12, undergraduate and graduate students, and professionals.
   d. A means of communication between persons having an interest in computing and women in computing.

2. The Chapter will serve all interested persons in the University of Missouri-Rolla.
3. The Chapter is chartered by the National Association for Computing Machinery organization.

Article III
Membership

1. Membership is open to all UMR students, faculty, and staff.
2. Membership shall not be restricted according to gender, race, ethnicity, color, age, national origin, religion, disability, veteran status, socioeconomic status, or sexual orientation.

Article IV
Meetings

1. The Executive Council shall plan meetings at least 7 times a year in accordance with the needs of the Chapter. The Chapter shall hold meetings only in places that are open, safe, and accessible. There may

be additional local government requirements about openness to the public and accessibility for the handicapped.

2. A regular meeting of ACM-W may be called when needed by the ACM-W Chair.
3. A special meeting of ACM-W may be called when needed by the ACM-W Chair.
4. ACM-W meetings will follow parliamentary procedure as defined by *Robert's Rules of Order, Newly Revised.*

Article V
Officers

1. The officers of this Chapter shall be: Chair, Vice Chair, Secretary, and Treasurer. A minimum of three officers is required to run the Chapter.
2. Eligibility of Officers:
   a. All officers must be members of the national ACM.
   b. All officers need to be in good standing with the university; not on academic or disciplinary probation.
   c. It is recommended that an officer have participated in ACM-W for at least one semester.
3. The officers shall be elected by a plurality of the votes cast at the annual election meeting on or before May 15. They shall take office immediately and serve for one year.
4. If any officer fails to meet the requirement during their term of office, or is judged by a two thirds vote of the ACM-W Chapter to be neglecting officer duties, then the Executive Council will call a meeting to discuss this issue. The officer in question must be offered an opportunity to defend himself or herself at the same meeting. After a period of two weeks the issue shall be put to a vote. Two-thirds of the ACM-W Chapter members must vote for removal for an officer to be removed.
5. Additional offices may be created at the discretion of the Executive Council to suit the needs of the organization.

Article VI
Duties of Officers

1. The Chair is the principal officer and is responsible for leading the Chapter, and managing its activities in accordance with the mission of ACM-W, the policies and procedures of the ACM. The Chair shall preside at all meetings of the Chapter.
2. The Vice Chair shall preside at meetings in the absence of the Chair, assist the Chair in the management of the Chapter, and perform other duties that may be assigned by the Chair.
3. The Secretary shall keep minutes of all Chapter meetings. Other duties of the Secretary include:

a. Maintaining the records of the Chapter.
b. Preparation of the end of year activity report for the Chapter including officer contact information and the annual financial information provided by the Treasurer.
4. The Treasurer shall collect dues (if any), pay all bills, and maintain the Chapter's financial records. Other duties of the Treasurer include:
a. Preparation of the Chapter's Annual Financial Report for presentation to the Chapter at the annual election meeting.
b. Preparation of the annual financial information to be included on the end of year activity report submitted by the Secretary to ACM and ACM-W.
c. Performance of other duties as assigned by the Chair.
d. Coordinating and recording any fundraising efforts.

Article VII
Chapter Sponsor (Advisor)

1. The Chapter must have a Chapter Sponsor. This sponsor must meet university requirements.
2. The Chapter Sponsor shall be selected by the Executive Council immediately following the annual election meeting. The selection shall be confirmed by the sponsoring organization and reviewed by ACM-W on the end of year activity report.
3. The Chapter Sponsor shall be responsible for overseeing the activities of the Chapter. Specifically, the Sponsor:
a. Helps promote continuity from year to year as student leadership and personnel change.
b. Promotes good relationships between students and staff at the sponsoring organization.
c. Helps maintain high standards in all activities of the Chapter.
d. Exercises financial supervision, if necessary, by promoting payment of all bills and collection of dues and also supervising of disbursement of funds.
e. Represents the Chapter interests to the sponsoring organization and to the students' institution(s) when possible.
4. If the advisor no longer wishes or is unable to sponsor the Chapter, he/she should assist in selecting a replacement sponsor.
5. If the sponsor is temporarily unavailable to perform the necessary duties, the sponsor may appoint a temporary sponsor to serve in his/her absence

Article VIII
Executive Council

1. The Executive Council shall consist of the Chapter Officers and the Chapter Sponsor.

2. The Chair of the Executive Council is the Chapter Chair.
3. The term of the members of the Executive Council shall be coincident with the terms of the officers.

Article IX
Duties of Executive Council

1. The Executive Council shall create working committees in accordance with the needs of the Chapter. These committees may be used to organize events and projects for the Chapter.
2. The Executive Council shall determine the annual dues for the members of the Chapter.

Article X
Disbursements and Dues

1. Disbursements from the Treasury for Chapter expenditures shall be made by the Treasurer, or supervised by the Chapter Sponsor with authorization of the Executive Council and shall be included in the minutes of its meetings.

Article XI
Rules and Regulations

1. The Chapter shall follow all federal, state, and local laws, as well as all rules and regulations of the University of Missouri – Rolla.

Article XII
Amendment and Voting Procedures

1. Amendments are to be approved by the Student Affairs Committee or their designee. The ACM-W constitution needs to be approved by the Student Affairs Committee and the Academic Council.
2. No official business of the Chapter shall be conducted unless a quorum is present. A quorum of the Chapter shall be defined as 60 percent of the membership of the Chapter or at least 6 members, whichever is greater.
3. A simple majority of the members present shall be required to carry a motion.
4. Officers will be elected by a plurality of votes cast.

Article XIII
Dissolution of the Chapter

1. Dissolution of this Chapter by consent of the members shall consist of unanimous agreement of all its officers together with a majority vote at a meeting which has been publicized in advanced to all members of the Chapter for the purpose of taking this vote.
2. Should this Chapter be dissolved, its assets and liabilities shall be transferred to University of Missouri-Rolla's ACM student organization.

CONSTITUTION OF THE
ACTUARIAL SCIENCE ORGANIZATION

UNIVERSITY OF MISSOURI-ROLLA

November 2004
Revised February 2005
Revised April 2005
Revised May 2005
Revised November 2005
Revised March 2006
Revised April 2006

ARTICLE I. NAME AND AFFILIATION

This organization shall be called the Actuarial Science Organization at the University of Missouri-Rolla, hereafter referred to as the ASO.

ARTICLE II. PURPOSE

Section 1. The purpose of the ASO shall be to promote an interest in actuarial science at UMR by:

1. Providing a forum for those interested in the field to introduce basic concepts of actuarial science to members while educating the general student population in the area of actuarial science.

2. Further the advancement of those pursuing a degree related to actuarial science.

ARTICLE III. MEMBERSHIP

Section 1. Membership

A. The membership of the ASO shall consist of active members and associate members.

1. Membership in the ASO shall be open to all University of Missouri-Rolla students, faculty, and staff members without

regard to race, color, religion, gender, sexual orientation, national origin, age, or disability.

2.   Any members of faculty or staff at UMR may apply to be an associate member, enabling them to attend meetings regularly.

Section 2.   Membership Rights

A.   All active members hold voting rights. Associate members do not hold voting rights.

B.   Any active member is eligible to become an Officer or Appointee.

Section 3.   Removal of Members

A.   To initiate the removal of any member from the ASO, a petition signed by 25 percent of the voting members must be brought to the ASO Officers. It should clearly outline why the member should be removed. For a removal to occur, a two-thirds majority of all voting members present is needed. The voting will take place during the next meeting of the ASO. If at that time, two-thirds vote in favor of removal, the member may appeal to the officers of the ASO. The officers will review the removal appeal and contents if one is filed within thirty days of the vote for removal. At the officers' discretion, there may be another vote for removal during the next meeting. All members have the right at the time of the meeting to speak on his or her behalf.

ARTICLE IV. OFFICERS

Section 1.   The Officer positions shall be President, Vice-President, Secretary, and Treasurer who, with the Advisor to the ASO, shall constitute the Executive Committee of the ASO.

Section 2.   Only UMR students shall be eligible to be an Officer of the ASO.

Section 3.   Any UMR student eligible to be an Officer of the ASO must be in good standing with university as per the UMR Academic Council.

Section 4.   Officers shall be elected by a simple majority vote of the members eligible to vote at the first meeting in February. All officers are to be reported to the Department of Student Life upon approval.

Section 5.   Officers' terms shall begin immediately following the election of all officers and serve for a period of one year.

Section 6.   Officer Duties

A.   The President shall call all meetings of the Membership, regular or otherwise, and shall serve as the chairperson of such meetings. In addition, the President shall, with the advice of the Executive Committee, plan and coordinate the events to be sponsored by the ASO in forthcoming semesters; with the Treasurer, shall prepare and present any budget requests to the Student Activity Fees Board; and shall be the main representative of the ASO to the University.

B.   In the absence of the President, or should the President prove unable or unwilling to perform the duties described in Article IV Section 6A above, the Vice President shall assume the responsibilities of the President. In addition, the Vice President shall preside over all meetings of the Executive Committee and shall also perform other duties as the President may assign from time to time.

C.   The Secretary shall be responsible for recording accurate minutes of any meeting, regular or otherwise, of the Membership or the Executive Committee. The Secretary shall be responsible for the writing and distribution of notices to the Membership informing them of any meeting or other ASO activity, and furthermore shall at all times maintain an accurate and complete list of the Membership of the ASO.

D.   The Treasurer shall be responsible for maintaining accurate financial records of the ASO and shall be allowed to request funds for the ASO. The Treasurer, with the President, shall prepare and present any budget requests to the Student Affairs Committee. The Treasurer shall insure that all university funds are properly used as per the University regulations.

Section 7.   Any Officer of the ASO may be removed from such office if deemed necessary by the ASO. A two-thirds (2/3) affirmative vote of the Membership is required to remove the Officer. Said Officer shall be given the opportunity to speak on his or her behalf to the Membership. An Officer Removal Notice shall be given to the officer at least one week prior to the removal vote.

Section 8.   Vacancies occurring during the term will be filled by a re-election of an officer to fill the position for the remainder of the term and will be determined by a simple majority vote of the members present.

ARTICLE V. ADVISOR

Section 1.   The Advisor to the ASO must be a UMR faculty or staff member who is employed by the University at least 75% FTE. A plurality vote of the Membership is required to approve the Advisor; he or she may be removed by the Membership by an affirmative plurality vote. The Advisor shall attend all meetings of the Executive Committee as a non-voting member thereof and shall provide guidance and administrative assistance in the preparation of a program of activities to be pursued by the ASO in forthcoming semesters.

ARITCLE VI. FUNDING

Section 1.   There will be no chapter dues for the ASO members.

Section 2.   Fundraisers in accordance with University policy are optional if voted by simple majority of ASO members.

ARTICLE VII. MEETINGS

Section 1. The time and date of regular meetings are to be decided at the first ASO meeting of the semester, with regular meetings held at least once every two months. Special meetings may be called by the President or by petition of one-fourth of the voting members. If immediate action is necessary, ASO may act on business via campus mail or electronic mail. This action may be initiated by any member, but is only valid when at least fifty percent (50%) of all voting members have responded with their vote.

Section 2. A quorum shall exist at any Meeting of the Membership where at least fifty percent (50%) of the Members are in attendance.

Section 3. *Robert's Rules of Order, Newly Revised*, will be followed when necessary while conducting ASO business.

ARTICLE VIII. Miscellaneous

Section 1. This Constitution shall have been presented to the Membership of the ASO and shall be ratified by a majority vote thereof; approval of the UMR Student Affairs Committee and the approval of the UMR Academic Council.

Section 2. This Constitution may be amended or repealed by a two-thirds (2/3) majority vote of the Members of the ASO; approval of the UMR Student Affairs Committee or their designee.

Section 3. ASO By-Laws ratification and any amendments require a simple majority vote of the Members present at the Meeting of the Membership.

Section 4. This Constitution and By-Laws (if applicable) and any amendments and changes hereto shall be kept on record with the Department of Student Life and shall be made available to any Member of the ASO for inspection during reasonable office hours

CONSTITUTION OF YOGA FITNESS CLUB
AT
UNIVERSITY of MISSOURI-ROLLA

I. Name

The name of the organization is "Yoga Fitness Club at University of Missouri-Rolla", herein referred as "organization".

II. Aims and Objectives of the Organization

A. The purposes for which the organization is to be organized shall be consistent with the educational aims and objectives of the University of Missouri-Rolla. No purpose or objective of the organization shall be in conflict with applicable state or federal laws presently in force or hereafter. The organization will abide by all university regulations.

B. The organization is dedicated to teaching control over ones body through practicing the postures and breathing techniques of Yoga in a welcoming, inspirational manner without regard to race, color, religion, gender, national origin, age, sexual orientation, or disability.

C. To encourage, aid, and train students in reaching better physical condition through practice of Yoga.

D. To promote an awareness, appreciation, and understanding of focusing and relaxation techniques taught in Yoga.

E. To meet the needs of the growing number of students interested in Yoga fitness practice and promote communication among them.

F. The club aims to have a positive influence on both the campus and the local community.

III. Membership

A. Membership is open to any currently enrolled UMR student, graduate, or undergraduate interested in Yoga fitness.

B. A person interested in joining will become a recognized member after notifying the President of his/her intention, signing the club's waiver, and paying the dues.

C. A member may be asked to leave a meeting for inappropriate or abusive behavior (as defined in section XI) by the Instructor or by more than 50% vote of members

present after being given five minutes to speak on his/her behalf. Repeated removal for inappropriate or abusive behavior may result in termination of membership by more than 50% vote of all members. No dues will be returned in the case of termination.

D. To join, members do not need previous experience in Yoga. Most postures can be performed on different levels of difficulty. Each member shall attempt the Yoga postures on the level of their own comfort and at their own risk.

IV. Officers

A. The officer positions will include a President, a Vice-President, a Secretary, and a Treasurer.

B. An officer must be enrolled in a minimum of 6 hours in the semester(s) he/she will be in an elected position; have a minimum cumulative 2.5 GPA and be in good standing with the university.

C. At the time of election, any member may nominate current members for an officer position.

D. Elections will be held at the last meeting of each academic year.

E. Officers assume their positions upon being elected. Each officer's term will last one academic year.

F. One vote will be held for each officer. Any member not running for the office may vote. Each officer will be elected by plurality vote.

G. Officer duties:

1) The President shall be in charge of organizing meetings and practices. He/She will collect information concerning the club. The club's outside representation is the President's responsibility. He/She should attend all meetings. If unable to attend a meeting the President must notify all club members as soon as possible. To help in coordination of the club activities the President shall be informed of the duties of all executive officers.

2) The Vice-President shall, in the absence of the President, preside over the duties of the President. Representation of the club inside of the UMR campus and maintenance of the club's webpage is the Vice-President's responsibility.

3) The Secretary shall keep all club records. He/She will take attendance at the beginning of each meeting. The Secretary shall preside over meetings in the absence of the President and Vice-President.

4) The Treasurer shall keep all records of the club's revenues and expenses and will deal with appropriate funding sources. The Treasurer shall insure that all university funds are properly used as per the University regulations. The Treasurer shall be allowed to request funds for the organization. He/She shall prepare the club budgets and give financial reports to the club once a month. The Treasurer will prepare and present any budget requests to the Student Affairs Committee. The Treasurer will take on the duties of the President in the absence of the President, Vice-President, and Secretary.

H. The executive board shall be established and consist of all the officers, the Instructor, and advisor.

I. A vacancy in an officer position is filled by an election in the next regular meeting. The President is responsible for notifying all members at least two days in advance about an upcoming election.

J. Impeachment may only be initiated at a regular meeting. If impeached, the officer shall be immediately removed from office and a new officer elected. The impeachment processes will be followed using due process as stated in Robert's Rules of Order, Newly Revised.

V. Advisor

A. The club shall elect an advisor. All members may vote. An advisor shall be elected by simple plurality. Election must take place each year, but there is no limit to the number of consecutive terms that can be held.

B. The advisor must be at least a 75% full time employee professional staff or faculty member of UMR.

C. The advisor will be a contact for the group in the event that the President or other student officers are not available.

D. The advisor is not required to attend every practice.

VI. Instructor

A. The instructor will be responsible to teach Yoga.

B. He/She will be elected by simple plurality and will serve one academic year.

C. Officers may be elected for an instructor position.

VII. Dues

A. Dues are required to be paid by each member each semester. The amount of the dues shall be decided by the executive board and is subject to approval by a quorum of the regular members during the first meeting of the semester.

B. Dues are paid to the Treasurer at the beginning of each semester or at the time of joining the club.

VIII. Meetings

A. The President will construct a calendar of meetings between the first and third meetings of each academic semester.

B. A regular meeting is one that is defined by the calendar of meetings.

C. A special meeting may be called by the President or by 10% of the club's membership. All special meetings require a quorum.

D. All members must be informed of a special meeting at least two days in advance. This will be done by telephone or e-mail by the President or a person in the 10% of membership.

E. Robert's Rules of Order, Newly Revised shall be followed unless procedure contrary to Robert's Rules of Order is dictated by the constitution.

IX. Rules and Regulations

A. The club will follow federal laws, laws of the state of Missouri, and rules of the University of Missouri System.

X. Constitution

A. A 2/3 vote of the membership present at the meeting is required for adoption of the constitution. The constitution will become operative when approved by the Student Affairs Committee and the Academic Council or their appointed representative.

B. Any member may propose a Constitutional amendment.

C. A proposed Constitutional amendment must be in an electronic format with all additions in bold italics and deletions in brackets.

D. A proposed Constitutional amendment must be submitted to the Executive Board for review.

E. The Executive Board will take no more than 30 days to review the proposed Constitutional amendment. If accepted, the President will notify all members about the upcoming vote on the Constitutional amendment at least two days in advance.

F. A Constitutional amendment may only be voted on at a regular meeting.

G. A Constitutional amendment is adopted when 2/3 of membership present vote for it. The Constitutional amendment will become operative when approved by the Student Affairs Committee and the Academic Council.

XI. Definitions

A. UMR: The University of Missouri-Rolla

B. Member: Any person who has expressed interest in the organization to the President, has signed the club's waiver, and paid the dues.

C. Student: Anyone currently enrolled in classes at UMR full time or part time.

D. Academic Year: The period of time from the first day of classes in Fall semester to the last day of finals' week following the Winter semester.

E. Quorum: Fifty percent of the current membership.

F. Plurality: The candidate getting the most votes for the office is elected.

G. Inappropriate or Abusive Behavior: Offensive, destructive, or disturbing remarks or actions, that may result in harm to practices, club members, or anyone/anything else as judged by at least fifty percent of members present or the Instructor.

Constitution of Delta Sigma Phi
Delta Epsilon Colony
University of Missouri Rolla

Preamble

Delta Sigma Phi Fraternity in convention assembled declares and affirms the following principles:
That the belief in God is essential to our welfare.

That loyalty to the constituted authority of our nations and their subdivisions is a cardinal virtue of our Brotherhood, the pledged faith of which shall never be broken and that our Brotherhood, receiving the blessings of liberty, education, and fraternity, shall ever support, foster, and defend our universities, colleges, and school systems, founded under the dispensation of our governments and constituting the bulwarks of democracy for us, for our posterity, and for all men.

That the sanctity of the home and the sacredness of the family bond, the hearthstone of our enlightened civilization, and the chivalry of man toward woman, shall be maintained and protected by us, not only for ourselves and our posterity, but also for the good of all mankind.

That a symmetrical culture, a fraternal communion among the colleges of this country, and a brotherhood of men, whose ideals and beliefs are those of modern civilization, are essential to the welfare of our college men.

In furtherance of these aims, this Fraternity has recognized certain standards of attainment and gentlemanly conduct, expressed in the ideals symbolically represented by the three Greek letters, Delta, Sigma, and Phi; and it shall be the constant endeavor of the Brothers who may be called to preside over and govern the Fraternity, or its component chapters, to further the precepts of the Fraternity by every reasonable means within their power, and they, and each Brother of the Fraternity shall exemplify those principles, by conduct as well as enforcement in order that the Fraternity may grow and prosper with honor to itself and that the world may ever be convinced of the sincerity of our purpose.

Article I Name, Insignia, and Affiliation
Section A. Name
The name of the organization shall be the Delta Sigma Phi fraternity Delta Epsilon Colony.
Section B. Insignia
The fraternity shall use the Greek letters Delta, Sigma, and Phi as well as the coat of arms, flag, and the symbols of the lamp, lute, and the Gordian Knot.
Section C. Affiliation
The fraternity shall be affiliated with the Interfraternity Council of the University of Missouri Rolla.

Article II Aims and Objectives of the Organization
Section A. Purpose
The purpose of Delta Epsilon Colony shall be to challenge each man to a greater good. All chapter activities and operations shall support member's pursuit of this purpose as well as the purpose of the university.

Article III Membership
Section A. Membership requirements
Membership in this Fraternity shall be limited to men who have been initiated into a regularly constituted undergraduate chapter or colony. Membership in the organization shall be open to all University of Missouri-Rolla students, faculty, and staff members without regard to race, color, religion, sexual orientation, national origin, age, or disability. Each member upon initiation shall be given a certificate signed by the President of the Fraternity, and Executive Director, and the President of the chapter or colony that receives him into membership.

Section B. Classifications of membership

Membership shall be classified as follows:

§1. Undergraduate—Undergraduate members shall be those who are students at the college or institution at which they have been admitted to an undergraduate chapter or colony of this Fraternity and those who have transferred from one chapter to another in accordance with Section C of this Article.

§2. Alumni—Alumni members shall be those who:

[a] either have been graduated from or who are no longer attending the college or institution where they have been admitted to a membership in an undergraduate chapter or colony;

[b] are governing, administrative, or faculty personnel of a college or institution at which an undergraduate chapter or colony of this Fraternity is maintained and who are not members of any other national general college fraternity, and;

[c] are approved by both an undergraduate chapter or colony and the Alumni Corporation Board of that chapter or colony, because of outstanding character and potential for service and contributions to the chapter and the Fraternity.

§3. Honorary Members—Honorary members shall be those so designated by the Grand Council.

Section C. Transfer of membership

A member of one undergraduate chapter or colony may transfer to another with the consent and approval of each chapter or colony concerned, provided the transferee is a member in good standing of the chapter or colony from which he transfers.

Section D. Life membership

Membership in this Fraternity shall be for life, and no member of this Fraternity can voluntarily sever his connection therewith.

Section E. Expulsion

Any member may be expelled from this Fraternity by a vote of the Grand Council, or, in the case of a member charged solely with financial delinquency, by a vote of three-fourths of the members of an Alumni Corporation Board present and voting at a duly constituted meeting, after due hearing:

§1. Upon request of an undergraduate chapter or colony against an undergraduate member following a three-fourths vote of the active undergraduate membership present and voting at a duly constitute meeting;

§2. Upon request of an Alumni Corporation Board in cases that are not solely financial, by a three-fourths vote of those Board members present and voting at a duly constituted meeting, against any member, or;

§3. Upon request of any member of the Grand Council against any member for conduct unbecoming a member of the Fraternity.

Section F. Right to due process

Any member against whom expulsion proceedings have been brought may request a hearing before a committee appointed by the Executive Director. Findings of this hearing shall be reported to the Grand Council.

Section G. Appeal of expulsion for financial delinquency

Any member expelled by an Alumni Corporation Board for financial reasons shall be entitled to appeal that expulsion to the Grand Council by forwarding that appeal to the Executive Director by certified or registered mail, return receipt, within twenty (20) days of the date of notification of the expulsion. The Grand Council shall affirm or reverse the expulsion by majority vote within the time specified.

Section H. Reinstatement

A person expelled from membership may be reinstated by the unanimous vote of the Grand Council upon good and sufficient cause being shown, provided, however, that a member expelled

solely for financial delinquency may be reinstated by majority vote of the Grand Council upon proof that all financial obligations of the expelled member to this Fraternity have been fully paid.

Section I. Suspension
Members may be suspended or reinstated from such suspension in this Fraternity for such causes and upon such terms as the Grand Council may, from time to time, determine by majority vote.

Article IV. Officers

Section A. Elected Officers
Elected officers of the chapter shall be as follows: President, vice-President, Secretary, Treasurer and sergeant-at-arms. These members will serve on the executive board as well.

Section B. Appointed Officers
§ 1. Chair positions, elected or appointed by the president shall be: academic chair, new member educator, community service chair, philanthropy chair, social chair, volunteer relations chair, recruitment chairman, athletic chair, public relations chair, brotherhood/activities chair, historian, editor, Interfraternity Council representative, house manager, steward, in addition to those officers which the President may, from time to time, appoint.
§ 2. Appointed officers shall be appointed by the incoming President, subject to approval by the chapter.

Section C. Duties and Responsibilities
§ 1. *President* Goal: Effectively manage chapter operations and external relations.
 a) Provide the leadership to ensure that Fraternity, University and chapter policies are interpreted correctly and followed
 b) Act as a liaison between the chapter and the ACB, University, IFC and Headquarters
 c) Appoint all necessary chapter officers and committee members
 d) Oversee an effective officer transition and education period
§ 2. *Vice President* Goal: Ensure the chapter carries out the goals and policies of the Fraternity.
 a) Preside over weekly executive board meetings and coordinate the agenda for chapter meetings
 b) Coordinate implementation of the chapter plan
 c) Serve as an ex-officio, non-voting member of every committee
 d) Preside over regular chapter meetings or ceremonial occasions in the absence of the President
§ 3. *Treasurer* Goal: Maintain an accurate bookkeeping system and a sound financial base.
 a) Work with the ACB Treasurer to accomplish the following:
 b) Develop and implement an annual chapter budget
 c) Maintain accurate books
 d) Distribute and collect all bills from members
 e) Properly enforce the chapter's financial policies
 f) Pay all debts owed by the Chapter on time
 g) Complete necessary government reports
§ 4. *Secretary* Goal: Maintain all chapter correspondence, paperwork and records.
 a) Keep minutes at chapter and executive board meetings
 b) Work with the ACB Secretary to maintain an accurate chapter directory
 c) Work with the alumni relations chair and PR chair
 d) Throughout the year provide acquired information to Headquarters

§ 5. *Sergeant at Arms* Goal: Maintain order within the chapter by enforcing all rules, policies and Ritual of the Fraternity.

        a) Act as parliamentarian at chapter meetings
        b) Be familiar with the Fraternity Constitution and chapter bylaws
        c) Determine that all ritualary materials and events proceed in order and according to Ritual standards
        d) Work with the Healthy Lifestyles Advisor to accomplish the following:
        e) Ensure each member follows the Code of Conduct
        f) Provide the chapter with Healthy Lifestyle learning opportunities
        g) Educate all members on the Policy on Responsibility & Accountability

§ 6. *Academic Chairman* Goal: Design and oversee a successful academic program
        a) Develop and implement the chapter's scholarship program

§ 7. *New Member Educator* Goal: Introduce new members into our values-based brotherhood focusing on Delta Sigma Phi ideals

        a) Work with respective chapter advisors to conduct the new member orientation
        b) Maintain a positive pledge education program through prohibition of hazing

§ 8. *Recruitment Chairman* Goal: Design and oversee a productive recruitment program
        a) Work with the Growth Advisor to accomplish the following:
        b) Design a year round recruitment program
        c) Hold a recruitment retreat to educate members on various recruitment techniques
        d) Maintain and provide up to date recruitment literature to all chapter members and new members

§ 9. *Community Service Chairman* Goal: Engage the chapter members in service work for the betterment of the community.

§ 10. *Philanthropy Chairman* Goal: Engage the chapter in raising money for charitable causes.

§ 11. *Volunteer Relations Chairman* Goal: Build and maintain strong working relationships between the chapter and the various volunteer advisors.

Section D. Elections

§ 1. Elections shall be conducted once each year, not later than the second regular meeting in December. Notice of elections shall be given by the President two meetings before the election.

§ 2. A slate of nominations shall be made by a nominations committee appointed by the President. Nominations shall be made one week prior to the elections. Additional nominations may be made from the floor at that time.

§ 3. Chapter voting shall be by secret ballot and in the same order as the officers are named in Article IV, Sec. A. Before each office is voted upon, additional nominations may be made from those candidates defeated for office previously voted upon.

§ 4. If no candidate obtains a majority in the first balloting, a run-off election shall be conducted between the two candidates receiving the most votes.

§ 5. Incoming officers shall be installed and take office at the chapter meeting two weeks following the election of officers using the prescribed ritual.

§ 6. A vacancy in any elected office shall be filled by a special election within two weeks after the vacancy occurs.

Section E. Recall

§ 1. Any officer, whether elected or appointed, who proves negligent or ineffective in office may be recalled by a two-thirds (2/3) vote of those voting in a regular chapter meeting.

§ 2. As prescribed in the regulations of the National Fraternity, the Alumni Corporation Board (ACB) shall also have the power to obtain the resignation of any chapter officer it deems negligent of ineffective.

V. Advisors

Section A. Faculty Advisor
The Faculty Advisor, who meets university requirements, serves as the link between the host institution and the chapter. He or she is elected by the majority of fraternity members. His or her term is decided upon by the advisor. A 2/3 vote of members of the chapter is required to remove the advisor from this position if members of the chapter have just cause to remove him or her.

Section B. Alumni Advisor
The Alumni Advisor serves as the link between the fraternity and the Alumni Corporation Board (ACB). His term is decided upon by the ACB members.

VI. Committees

Section A. Committees
The fraternity will have the following committees on a permanent basis: Brotherhood, Fundraising, Social, Academic, and Standards.

Section B. Committee Selection
The President of the fraternity will appoint a committee chairman. The committee chairman will then select members to serve on his committee. These men will serve on the committee during the term of the President.

VII. Meetings

Section A. Types of Meetings
There will be two types of meetings that the fraternity can hold: Formal and Informal
§ 1. Formal meetings are when all formal ritual is followed. These meetings are dress to pin attire (shirt, tie, dress pants, and dress shoes minimum). There will be at minimum one formal meeting a month.
§ 2. Informal meetings are less structured than formal meetings and appropriate attire is required.

Section B. Who May Call Meetings
Either type of meetings may be called by the President of the fraternity as well as the President of the Alumni Corporation Board. Meetings need to be announced at least 24 hours in advance.

Section C. Quorum
The definition of a quorum is fifty percent (50%) attendance plus one.

Section D. Parliamentary Authority
Roberts Rules of Order, Newly Revised is to be utilized at every meeting, both formal and informal.

VIII. Rules and Regulations

Section A. Federal, State and University
The fraternity will follow all federal, state and university rules as set forth by each of these governing bodies

Section B. National Fraternity

The fraternity will follow all rules and regulations as stated in the Delta Sigma Phi Code of Conduct for Members as well as the Policy on Responsibility and Accountability.

Section C. Code of Conduct

§ 1.The fraternity shall not conduct hazing activities. Hazing activities are defined as any act or attempt to embarrass, humiliate, intimidate, ridicule, shame or endanger physically or mentally any person, or to compel physical activity or do physical or emotional harm to any person, or to require consumption or ingestion of liquids, food, or other materials.

§ 2. Delta Sigma Phi's alcohol policy is as follows:

a) No alcoholic beverage may be purchased through the undergraduate treasurary through any means that can be construed as a chapter activity, such as "passing the hat."

b) Dispensing systems for alcoholic beverages shall not be permanently installed or maintained on property owned, rented, or otherwise used as chapter or colony facilities.

c) No undergraduate chapter or colony may sponsor or co-sponsor an event where alcohol is given away, sold or otherwise provided to those present unless the event fully adheres to the Guidelines for Use of Third Party Caterers (Alcohol).

d) All recruitment activities associated with any undergraduate chapter or colony will be dry functions, that is no alcohol can be served or consumed

e) Open parties, meaning those with unrestricted access by non-members of the chapter or colony without specific invitations, shall be prohibited. Each guest must receive an invitation in advance. Mass mailing, flyers, tickets sold at the door, etc. are not considered invitations. Furthermore, no alcoholic beverages may be served during open houses. No undergraduate chapter or colony shall advertise the presence of alcohol in connection with any event sponsored by or for any undergraduate chapter or colony.

f) A reasonable number of attendees for any chapter event is two guests to each member/pledge. Please review the Guidelines for Special Events if the planned activity will exceed the 2:1 ratio.

g) The presence of keg beer at any Fraternity event will not be condoned.

h) Consumption of alcohol by those members under the legal drinking age will not be condoned.

i) Alcohol misuse, including, but not limited to excessive alcohol consumption, binge drinking, driving under the influence of alcohol, public intoxication, or drinking games, will not be condoned.

j) Alcohol may not be present at any time on any property owned, rented, or otherwise used as chapter or colony facilities.

IX. Constitution

Section A. Constitution Adoption

§ 1. A 2/3 vote of the membership is required to adopt the constitution.

§ 2. Approval is needed from the Student Affairs Committee.

§ 3, Approval is needed from the Academic Council.

Section B. Constitution Amendments

§ 1. Amendments may be introduced by any member of the fraternity who is in good standing

§ 2. Members of the fraternity will be notified of the proposed amendment and given one week to review

§ 3. A 2/3 vote of members present is needed to pass an amendment

§ 4. Once approved, the updated version of the constitution will be sent to the Student Affairs Committee or their designee for its approval.

§ 5.This Constitution and By-Laws and any amendments and changes hereto shall be kept on record with the Department of Student Life and shall be made available to any Member of the Organization for inspection during reasonable office hours.

Section C. Bylaws
Purpose

The purpose of the Delta Epsilon Colony shall be to challenge each man to a greater good. All chapter activities and operations shall support member's pursuit of this purpose.

ARTICLE I

Academics

Sec. 1 Every member and every new member shall maintain at least a 2.5 grade point average (GPA) each term in order to remain in good standing with the chapter.

Sec. 2 No member may be elected or appointed to any executive position or committee chairmanship in the chapter if his cumulative grade point average or average for the previous term's work is below a 2.5, nor shall he have the privilege of a vote in chapter meetings.

Sec. 3 All new members and members whose GPA falls below a 2.5 cumulatively or for the previous semester shall be required to meet with the Scholarship Chairman to discuss academic improvement methods.

Sec. 4 The chapter President shall appoint an Academic Chairman.

ARTICLE II

Membership

Sec. 1 The chapter shall recruit and orient new members continuously throughout the year, whenever legitimate. The chapter shall follow a program of building and maintaining the largest and best general Fraternity membership at (name of your school).

Sec. 2 No man shall be asked to join in conflict with school, interfraternity, or National Fraternity regulations.

Sec. 3 It shall be the responsibility of the chapter members to meet all prospective members whenever they are brought in contact with the chapter.

Sec. 4 Authority to ask prospective members to join shall be delegated to the Recruitment Chairman by a majority vote of the members present and voting. If a member reports his disapproval of a prospective member to the Recruitment Chairman, the chairman must request a vote at the next regular chapter meeting or, if necessary, at a special meeting.

Sec. 5 At any time that a new member is voted upon for disciplinary or other reasons, a twenty-five percent (25%) vote of the chapter is required to release the man.

Sec. 6 New member status shall be automatically terminated if a new member fails to meet the minimum academic requirements for initiation after two semesters (or quarters) of orientation.

Sec. 7 Any man released for scholastic reasons may rejoin after one full semester (or quarter) of satisfactory academic achievement, if the chapter wishes.

Sec. 8 Two weeks before the date set for initiation, new members shall be voted upon for initiation. To be eligible, the new member must have met the academic requirements of the Interfraternity Council and/or the university, the requirements of the chapter, and must be in good financial standing.

Sec. 9 Financially delinquent new members shall be automatically released. No man may be initiated unless his accounts with the Fraternity are satisfied.

Sec. 10 Once initiated, a member shall be active until he leaves school, is graduated, or is suspended or expelled from the Fraternity. There is no inactive or senior status.

Sec. 11 Members may be suspended or expelled for violating the Constitution or regulations of the Fraternity, or for conduct unbecoming a gentleman and a member of this Fraternity. Procedure prescribed in the Fraternity Manual shall be followed in such cases.

Sec. 12 Members in good standing are those who meet the academic standards set in Article I, Sec. 1, are not financially delinquent and are not under any type of disciplinary sanctions by the executive board. Member not in good standing may not hold elected or appointed office, may not vote at chapter meetings, and may not attend social functions.

ARTICLE III

Meetings

Sec. 1 Meetings shall be held every Wednesday evening of the school year. Exceptions for good cause may be made by the President, who may change the meeting time of individual meetings by giving notice on the preceding Sunday or before.

Sec. 2 Special meetings may be called by the President, chapter advisor, ACB President, or any national officer on two days notice.

Sec. 3 Only undergraduate members in good standing shall have the privilege of a vote at chapter meetings.

Sec. 4 Alumni of the Fraternity shall have the privilege of attending meetings, and the President may recognize them from the floor for discussion. Privileges of addressing the chapter shall never be denied the chapter advisor, ACB President or any national officer.

Sec. 5 The quorum required for the transaction of business shall be a majority of all undergraduate members in good standing.

Sec. 6 Aside from the above bylaws, Robert's Rules of Order shall determine parliamentary procedure in chapter meetings.

Sec. 7 Chapter bylaws shall be covered at the beginning of each semester in a chapter meeting and shall be a part of the chapter's new member orientation program.

Sec. 8 All reports shall be written or typed and submitted to the appropriate officer. Failure to submit reports shall be subject to executive board review.

Sec. 9 Use of alcohol or tobacco is not permitted during chapter meetings.

ARTICLE IV

Officers

Sec. 1 Elected officers of the chapter shall be as follows: President, vice-President, Secretary, Treasurer and sergeant-at-arms. Appointed officers shall be: academic chair, new member educator, community service chair, philanthropy chair, social chair, volunteer relations chair, recruitment chairman, athletic chair, public relations chair, brotherhood/activities chair, historian, editor, Interfraternity Council representative, house manager, steward, in addition to those officers which the President may, from time to time, appoint.

Sec. 2 Appointed officers shall be appointed by the incoming President, subject to approval by the chapter.

Sec. 3 Duties and responsibilities of officers shall be those defined in the Fraternity Manual. All officers, whether elected or appointed, shall be required by the President to read and familiarize themselves with their respective duties and functions.

ARTICLE V

Elections

Sec. 1 Elections shall be conducted once each year, not later than the second regular meeting in December. Notice of elections shall be given by the President two meetings before the election.

Sec. 2 A slate of nominations shall be made by a nominations committee appointed by the President. Nominations shall be made one week prior to the elections. Additional nominations may be made from the floor at that time.

Sec. 3 Voting shall be by secret ballot and in the same order as the officers are named in Article IV, Sec. 1. Before each office is voted upon, additional nominations may be made from those candidates defeated for office previously voted upon.

Sec. 4 If no candidate obtains a majority in the first balloting, a run-off election shall be conducted between the two candidates receiving the most votes.

Sec. 5 Incoming officers shall be installed and take office at the chapter meeting two weeks following the election of officers using the prescribed ritual.

Sec. 6 A vacancy in any elected office shall be filled by a special election within two weeks after the vacancy occurs.

ARTICLE VI

Recall

Sec. 1 Any officer, whether elected or appointed, who proves negligent or ineffective in office may be recalled by a two-thirds (2/3) vote of those voting in a regular chapter meeting.

Sec. 2 As prescribed in the regulations of the National Fraternity, the Alumni Corporation Board (ACB) shall also have the power to obtain the resignation of any chapter officer it deems negligent of ineffective.

ARTICLE VII

Committees

Sec. 1 Committee chairmen shall make recommendations to the President for members of their respective committees. Members of each of the committees shall be appointed by the President, who shall give consideration to the recommendations of the chairmen.

Sec. 2 Committees shall meet weekly at the time specified by the chairmen, unless excused from doing so by the President. Each chairman shall submit a weekly written report and give a verbal report at chapter meetings.

Sec. 3 Committee functions shall be those provided in the Fraternity Manual.

ARTICLE VIII

Executive Board

Sec. 1 Members of the executive board shall be as follows: President, Vice President (who shall be the presiding officer), Treasurer, Secretary, Sergeant-at-Arms, Scholarship Chairman, Volunteer Relations Chairman, Community Service Chairman, Recruitment Chairman, Social Director, New Member Educator. The chapter advisor shall serve as an ex-officio, but non-voting member of the board.

Sec. 2 The executive board shall meet weekly before chapter meetings. It shall consider any matter involving the good of the chapter and shall make its recommendations to the chapter for consideration.

Sec. 3 The executive board shall act as a disciplinary body, investigating infractions of chapter rules, house rules (if applicable) and other chapter or National Fraternity provisions. It may assess penalties less than suspension or expulsion; cases which are deemed to require suspension or expulsion shall be recommended to the chapter for action.

ARTICLE IX

Finances

Sec. 1 Each year before the beginning of fall and spring semesters, the Treasurer shall prepare a budget with the assistance of the ACB. A copy is to be presented to and approved by the chapter.

Sec. 2 Dues and other fees of the Fraternity shall be charged to new members and members on the same basis.

Sec. 3 The new member fee of the chapter shall be $61. The initiation fee shall be $175.

Sec. 4 Building fund payments shall be forty dollars as an element of semesterly dues and shall be made from the time of pledging to graduation or leaving school. These fees are collected and paid to the alumni corporation board at the beginning of every semester.

Sec. 5 New members whose memberships are severed by the chapter shall be refunded the amount they have paid toward initiation. New members who sever their own membership or fail to qualify because of scholastic deficiencies shall not be refunded any amount they have paid. (see Fraternity Manual)

Sec. 6 The Treasurer shall bill members and pledges at the first day of each month. Bills will be due by the tenth of the month billed. A five percent per week late penalty will be added to any bills not paid by the tenth of the month.

Sec. 7 The Treasurer shall recommend to the Alumni Corporation Board that any delinquent member not in good standing by the twenty-fifth day of the month be placed on suspension and restricted from all chapter activity.

Sec. 8 Dues and building fund payments are held assessable to the delinquent member while on suspension.

Sec. 9 The Treasurer shall recommend to the Alumni Corporation Board that any member not reinstated by the tenth day of the following month be expelled from the Fraternity.

Sec. 10 Any new member who is delinquent in his financial obligations without making proper arrangements with the Treasurer shall be automatically charged with expulsion.

Sec. 11 Donations, contributions, gifts and other non-recurring appropriations shall not be made from the chapter treasury without the express approval of the chapter President, Treasurer and chapter advisor.

Sec. 12 The signatures of both the chapter President and chapter Treasurer shall together be required on every check written on chapter bank accounts.

ARTICLE X

Fines

Sec. 1 Any member failing to attend the Informal Initiation Ceremony and unexcused by the executive board shall be fined $25 dollars.

Sec. 2 Any member failing to attend the Formal Initiation Ceremony and unexcused by the executive board shall be fined $50 dollars.

Sec. 3 Absence from any chapter meeting shall incur a fine of $10 dollars, unless the absentee is excused for good cause by the President. The Secretary shall submit a list of the absentees each week to the Treasurer for the compilations of fines. Members leaving chapter meetings without permission of the President shall be considered absent and subject to the fine.

Sec. 4 Cost for repair or replacement of furnishings, fixtures and other chapter properties shall be assessed to the member or new member responsible in addition to a $25 dollar penalty.

Sec. 5 Members or new members absent during recruitment activities and unexcused by the President and recruitment director shall be subject to executive board review, fines and/or disciplinary action.

Sec. 6 Members or new members directly responsible for fines levied against the chapter shall be held payable for such fines.

Sec. 7 All members and new members shall participate in all chapter "house cleanings" or projects, unless excused individually by the appropriate officer in charge. Infractions shall be fined _____ dollars for each hour absent during the scheduled activity.

ARTICLE XI

Amendments

Sec. 1 These bylaws may be amended or added to at any regular (not special) chapter meeting by a two-thirds vote of those present, provided that this total favorable number shall not be less than half the number of the entire chapter. Such amendments/additions shall then be submitted to the Alumni Corporation Board, together with the reason for the

amendment/addition and their recommendation. The Alumni Corporation Board must submit in writing approval or disapproval of any amendment or addition. Upon review of the Alumni Corporation Board, the Bylaws will be submitted to the Student Affairs Committee or its designee for approval.

Sec. 2 These bylaws shall be subject to the examination from time to time of a representative of the National Fraternity. Should they be in conflict with any provision of the Constitution, Bylaws or Fraternity Manual, the chapter shall be directed to make amendment or repeal accordingly.

Epsilon Mu Eta - The Engineering Management Honor Society

CONSTITUTION

ALPHA PHI CHAPTER

ARTICLE I – NAME AND LOCATION
Section 1
The name of this chapter of Epsilon Mu Eta, The Engineering Management Honor Society (hereafter termed the SOCIETY), is the Alpha Phi Chapter (hereafter termed the CHAPTER).

Section 2
The CHAPTER is located in the Engineering Management Department of the University of Missouri - Rolla.

ARTICLE II – PURPOSE AND OBJECTIVES
Section 1
The purpose of the CHAPTER is to recognize academic achievement and excellent performance by students enrolled in Engineering Management programs at the University of Missouri - Rolla.

ARTICLE III – MEMBERSHIP
Section 1
Membership is open to students enrolled in the Engineering Management Department at the University of Missouri – Rolla without regard to race, color, religion, sex, national origin, age, or disability. To be elected to membership in the CHAPTER students must have shown both superior academic achievement and excellent character.

Section 2
Criteria for superior academic achievement for both graduate and undergraduate students are described in the CHAPTER By-Laws.

Section 3
Membership election is a two-step process. In the first step, all academically eligible students are referred to the Engineering Management faculty for review and approval. The CHAPTER advisor will be responsible for generating the list of eligible students and presenting the list to the faculty for approval. The faculty will consider the students' academic accomplishments and character when approving potential members. The faculty vote must abide with the quantity limit set by the SOCIETY.

In the second step, the faculty recommendations, in alphabetical order and without Grade Point Averages, will be submitted to the CHAPTER for its approval. Election to

membership shall require a positive vote from 75% of the CHAPTER members who elect to vote.

Those elected by the CHAPTER membership shall be submitted to the SOCIETY for certification per the SOCIETY's Constitution and By-Laws.

Section 4
Membership is contingent upon maintenance of superior academic achievement and excellent character. Student members who fail to maintain these standards will be reported to the CHAPTER officers for possible removal from the SOCIETY per the CHAPTER's By-Laws.

Section 5
All active members have the right to vote in CHAPTER matters and hold an office in the CHAPTER.

ARTICLE IV – OFFICERS
Section 1
The officers of the CHAPTER are President, Vice President, Secretary and Treasurer. Each officer will be elected by the members of the CHAPTER as specified in the CHAPTER By-Laws.

ARTICLE V – ADVISORS
Section 1
To be an active CHAPTER, two advisors are required per the SOCIETY's Constitution and By-Laws. These advisors must be sustaining members of the SOCIETY.

Section 2
Two advisors will be selected from the available Engineering Management and Systems Engineering faculty members who are sustaining members of the SOCIETY based on the vote of active members of the CHAPTER.

Section 3
Advisors will serve for five years and can serve multiple terms. If an advisor resigns the position will be filled by a vote of the active members of the CHAPTER.

ARTICLE VI – FINANCES
Section 1
Each member will be assessed the SOCIETY's initiation fee at the time of joining. The CHAPTER will determine any additional initiation fees. The additional local dues are stated in the CHAPTER By-Laws and cannot exceed the initiation fee.

ARTICLE VII – MEETINGS
Section 1
Regular meetings will be called by the President at least once a month during the regular semester. Additional special meetings may be called by the President or advisors as needed.

Section 2
A quorum is defined as fifty percent of the active members available to participate. Students who have graduated or are away from UMR are not included in the quorum calculation.

Section 3
Robert's Rules of Order, Newly Revised will be used in all meetings and special meetings.

ARTICLE VIII – RULES AND REGULATIONS
Section 1
The CHAPTER will follow all federal, state, and local laws in addition to all university regulations.

Section 2
The CHAPTER will follow all the rules and regulations of the SOCIETY.

ARTICLE VIII – CONSTITUTION

Section 1
In order to adopt the constitution, it will be presented to the membership in the SOCIETY. After 15 days of review a vote will be conducted. Adoption of the constitution will require a ¾ positive vote of the voting members. After a successful vote, it will be submitted to the Student Affairs Committee and the Academic Council for approval.

Section 2
To amend this Constitution, the officers and advisors shall notify CHAPTER members of proposed amendments and allow 15 days for review and discussion. Amendments to the CHAPTER's constitution require a ¾ positive vote of the voting members. Amendments approved by the CHAPTER shall then be submitted to the SOCIETY for ratification before becoming effective. Students Affairs Committee or their designee at the University of Missouri-Rolla must not oppose any amendments to the Constitution.

Epsilon Mu Eta – The Engineering Management Honor Society

BY-LAWS

ALPHA PHI CHAPTER

BYLAW I – MEMBERSHIP
Section 1
The CHAPTER shall not elect more than 25% of any graduating class at any degree level to membership. The CHAPTER can elect up to 15% of the junior class to membership, and up to 25% of the senior class to membership. Up to 25% of any graduating class of graduate students may be elected. The University Cumulative GPA will be used to determine the level of eligible students.

Superior academic achievement for an undergraduate student, as stated in the SOCIETY'S national By-Laws, is defined as a minimum of 3.5 for students who have junior standing or lower and a minimum of 3.25 for all seniors.

Superior academic achievement for a graduate student is defined as a minimum of 3.65 (out of 4.0) with no grade in a graduate course of "C" or lower. Completion of a minimum of 18 graduate credit hours at the University of Missouri - Rolla is required prior to election to membership as a graduate student.

Section 2
A person of exemplary character is one that displays integrity, honesty and moral excellence in their work and life.

Section 3
Once new members are elected to the CHAPTER, the SOCIETY will ratify the election and initiation of new members into the CHAPTER.

Section 4
The CHAPTER advisor shall confirm that the requirements for superior academic achievement are met for each member during each semester. Consistent failure shall result in immediate removal.

Section 5
Any three CHAPTER members or a CHAPTER advisor can petition for a character review of any CHAPTER member. The CHAPTER shall conduct open discussion on the case and then shall vote on failure to meet excellent character requirement. A ¾ vote by the CHAPTER is required for removal of the member.

BYLAW 2 – OFFICERS
Section 1
Officers will be elected by a simple majority of those members that choose to vote in elections. The CHAPTER President will be elected to a yearlong position at the end of the Winter/Spring semester. The Vice-President, Secretary, and Treasurer will be re-elected every semester. In the event that the President is unable to fulfill the yearlong office position, a special election may be conducted in the Fall semester to elect a new President.

Section 2
The President is responsible for conducting the affairs of the CHAPTER. The President will preside at the CHAPTER meetings. The President, along with the Vice President will represent the CHAPTER locally to the university and community, as well as to the SOCIETY.

The Vice President will serve as the general assistant to the President. The Vice President is responsible of maintaining a current roster with email addresses for all active members of the CHAPTER. They also represent the CHAPTER locally to the university and community, as well as to the SOCIETY, with the President. If the President is unable to serve, the Vice President will become President and an election will be held to fill the Vice President position.

The Secretary is responsible for maintaining the CHAPTER Website, taking meeting minutes, and submitting required reports to the SOCIETY.

The Treasurer is responsible for collecting dues, handling all funds of the CHAPTER, and publishing an annual budget.

Section 3
Officers must maintain membership status. In addition, three CHAPTER members or a CHAPTER advisor may petition for the impeachment of an officer. The CHAPTER shall conduct open discussion on the case and then shall vote on the removal of the officer. A 2/3 vote by the CHAPTER is required for removal of the officer.

Section 4
Officer vacancies should be filled immediately to continue for the remainder of the term.

BYLAW 3 – FINANCES
Section 1
Each member will be assessed the SOCIETY's one-time initiation fee, along with the local CHAPTER's initiation fee. This is a total one-time initiation fee to join the CHAPTER.

BYLAW 4 – CHANGES TO BY-LAWS
Section 1
To make changes to the CHAPTER By-Laws, the officers and advisors shall notify CHAPTER members of proposed changes and allow 15 days for review and discussion. Any changes require a 2/3 positive vote of the CHAPTER members that choose to vote.

Section 2
Upon approval, changes to the by-laws must be provided to the Student Life Department.

UNIVERSITY OF MISSOURI

Recommended Best Practices
for Non-Tenure Track Faculty
Concept Paper

Submitted by
Office of the Senior Vice President for Academic Affairs
and IFC Subcommittee
University of Missouri
March 2006

Introduction and Background
Non-tenure track faculty members play an increasingly important role at the University of Missouri. While their contributions are significant, their roles and duties vary widely across the four campuses. In many cases there are significant inconsistencies in titles, salary, responsibilities and involvement in campus decision-making.

Approximately two years ago, the Inter-Campus Faculty Council (IFC) began to examine the status of non-tenure track faculty at the University of Missouri. They identified a number of issues that must be addressed to provide some consistency in their roles and to explore other critical issues for the University's future workforce. Simultaneously, the chief academic officers at each campus expressed the need to ensure that the contributions of non-tenure track faculty were being appropriately recognized and rewarded.

To attend to these questions, IFC appointed a subcommittee to address the issue of non-tenure track academic appointments at the University of Missouri. Working with the senior staff in the Office of the Senior Vice President for Academic Affairs, they gathered data on the current nature of faculty appointments at the University, surveyed the national literature on this category of faculty, and developed some general guidelines regarding non-tenure track faculty and the important role this group of faculty performs at the University.

This concept paper addresses two of the major issues raised by the IFC non-tenure track faculty subcommittee:
1. Are there more effective ways to classify non-tenure track faculty, as a whole or in groups?
    a. Specifically focus on titles (i.e., Asst. Teaching Professor) and classification for this group of faculty (i.e., Non-Tenure Track)
    b. Specifically focus on the human resource infrastructure necessary to support the non-tenure track faculty (i.e., contract lengths, leaves, dismissal, discontinuance of contract, etc.)
2. What are the rights and responsibilities of non-tenure track faculty members, in light of the work they perform?
    a. Specifically focus on shared governance, access to resources, eligibility for awards, performance review criteria, and promotion policies

A third question was raised by the IFC subcommittee: "What is an appropriate mix of faculty (regular and non-regular) given the strategic goals of the University and the needs of various stakeholders?" That question is not addressed in this paper. Instead, it should be discussed and defined by the faculty at the college or school level on each campus as part of a broader strategic planning process.

Academic appointments at the University of Missouri currently are divided into two main categories; regular and non-regular. Under the proposed guidelines, regular faculty would be referred to as "tenured and tenure track" faculty, and this group will continue to include the traditional faculty of the institution. ***The suggestions in this proposal will***

be engaged in professional development activities pertaining to the single responsibility defined by the category.

There would be no prohibition for NTT faculty to be involved in multiple duties related to research, teaching, or service. However, evaluation of NTT faculty performance should relate only to the primary purpose of their appointment and not be based on all three criteria. Only tenured and tenure track faculty should be evaluated on all three criteria.

CONSIDERATIONS FOR ESTABLISHING DEPARTMENT GUIDELINES REGARDING NTT FACULTY

Contract Length

NTT faculty may hold 9 or 12-month academic appointments. Contract lengths could be up to three years with the option of renewing a multiyear contract during the contract period. Decisions to renew contracts should generally be made in advance of the contract end date. Faculty who will not receive a contract renewal must be informed in writing of non-renewal status well in advance of the contract end date.

Nature of the Initial Appointment

The nature of the initial appointment to a non-tenure track position is important to both the candidate and the department. Therefore the candidate's primary department should be fully engaged in defining the nature of the non-tenure track academic appointments. Since the candidate would be expected to contribute to the department's core mission, specific job responsibilities and expectations should be explicitly stated in a written job description developed by the department chair in conjunction with an appropriate department committee.

Searches for Non-Tenure Track Faculty Members

Searches for NTT faculty should be conducted on a regional or national basis as appropriate with the involvement of a faculty-based search committee. The expectation is that candidates should be selected using a process somewhat similar to one used for tenure track faculty members with open interviews, presentations to division faculty, staff and students, and a full review of candidates' dossiers. Student feedback is particularly important for all NTT teaching faculty.

NTT Faculty Attributes

The candidate for a NTT academic position should hold an earned doctoral degree, OR the appropriate terminal degree, OR have appropriate professional experience (i.e., teaching, research, clinical or extension) as defined by the faculty of the academic unit. Evidence of the candidate's abilities should be demonstrated through the candidate's resume, portfolio/dossier, reference letters, and through interviews with department and college faculty members. The candidates should demonstrate potential for excellence in the area of their appointments (e.g., teaching, clinical practice, extension, or research) as well as in the service and professional aspects related to the discipline and the position.

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Clearly Defined Expectations for Each Position
Specific qualifications for each rank will be determined by the department and/or college with approval by the provost. The workload requirements for NTT faculty members should be spelled out in detail and agreed upon in advance. For teaching appointments, there should be an explicit agreement about teaching assignments and teaching loads including adjustments made for large classes or courses with multiple sections. Research appointments should spell out the specific roles, duties, grant projects and expectations for future funding. Clinical appointments should clearly articulate the specific roles, responsibilities and performance expectations for delivering clinical services. Extension appointments should describe the specific extension activities and outline relationships with the department.

Guidelines for Performance Evaluation
Each academic school or college, with approval from the provost, should develop specific guidelines for the evaluation of performance. These guidelines should reflect the mission and needs of the school, college and university and cover only the single area of the non-tenure track appointment as well as related service and professional activities germane to the single responsibility.

All NTT faculty should be reviewed annually by the appropriate unit supervisor. The standards for performance should be based on specific criteria outlined by the academic division and agreed to prior to signing the contract. The performance reviews should be a formal, documented process. Annual written evaluations should be provided to all NTT faculty members.

NTT appointees should compile a dossier of their activities, productivity, creativity and professional development to be reviewed on an annual basis. This material could also serve as the foundation for a dossier that would be used during the promotion process.

All contract renewals, reappointments and promotions should be based on the performance expectations communicated at the time of contract by the chair with the concurrence of the dean and the provost.

Promotion of Non-tenure Track Faculty
Specified criteria for promotion and description of the process used for promotion in rank should be spelled out by the school or college in advance of hiring NTT faculty members. The development of specific criteria and guidelines used to determine standards of excellence for promotion purposes should be the responsibility of the faculty of the department/unit that includes the faculty member's discipline or area of expertise subject to approval by the dean and the provost. Evaluation areas should be consistent with the established academic standards for each discipline. The decision to apply for promotion would be an elective one; annual reviews should be valuable indicators of the applicant's readiness for promotion.

A recommendation to accept or deny the promotion application of a NTT academic appointment would not carry automatic rewards (apart from change in title) or penalties from the college or school.

Evaluation of the candidate's application for promotion should focus on the specific area of appointment--teaching, extension, clinical practice, or research--as well as related service and professional activities. Involvement in professional development activities related to the position is expected for all NTT academic appointments and should be considered in the evaluation of performance.

In promotion considerations, the total contribution of the faculty member to the mission of the college over a sustained period of time should be taken into consideration. This would include comprehensive documentation of the position, including a letter of appointment identifying home department or unit and the initial position description, communications detailing changes in position responsibilities, and any other statements regarding expected performance.

Academic Freedom
Prior to the stated ending date of their term appointments, NTT faculty members have the same academic protections regarding academic freedom as tenured and tenure track faculty. Guidelines should include explicit articulation of academic freedom and free speech, both at the department and campus levels.

Accordingly, adequate cause for dismissal during the contract period must be related directly and substantially to the faculty member's fitness or performance in the professional capacity as teacher, researcher, clinician, or extension faculty. More information can be found in CR&R 310.020 and related sections in the campus bylaws.

Participation in Faculty Governance
NTT faculty members' role in faculty governance shall be articulated by the individual campus, college or school, or academic unit. The goal is to identify ways for the NTT faculty members to have a voice within their campus, college or school and to be involved in faculty governance where appropriate.

In some cases NTT faculty involvement and responsibilities in faculty governance would be similar to tenured and tenure track faculty; whereas in other colleges they would have a more limited role. Each college or school shall articulate those roles to fit the academic unit, within the limits of the University of Missouri Collected Rules and Regulations (e.g. only tenured faculty members can vote on tenure decisions, etc.).

Conclusion
The recommended best practices for NTT faculty at the University of Missouri are designed to inform discussion on the campus, college/school, and academic units at the University. Specific policies and practices should be developed consistent with this framework. In doing so, the University seeks to appropriately recognize the significant contributions of NTT faculty at the University.

Acknowledgements

Members of the IFC subcommittee who worked diligently in progressing the discussion regarding NTT faculty at the University include:

2004-2005 Subcommittee*:
Michael Hilgers (UMR)
Paul Speck (UMSL)
Jakob Waterborg (UMKC)
*Note: UMC representative never attended

2005-2006 Subcommittee:
Rex Campbell (UMC)
Robert Schwartz (UMR)
Paul Speck (UMSL)
Jakob Waterborg (UMKC)

Thanks to all the schools and colleges that shared their discussions and policies regarding non-regular faculty at the University. Your assistance in understanding issues and considerations provided background and context for this draft document. It is also noted that this draft draws directly on the work of the College of Agriculture, Food, and Natural Resources at UMC (see
http://cafnr.missouri.edu/facultystaff/policycommittee/professionaltrack.asp).

UNIVERSITY OF MISSOURI

Non-Tenure Track Faculty

Conversations with Non-Tenure Track Faculty
Summary Report

Submitted by
Deborah S. Noble, Ph.D.
Administrative Fellow
Office of the Senior Vice President for Academic Affairs
University of Missouri
March 2006

The University of Missouri, like many colleges and universities nationally, has a growing number of full-time, non-tenure track (NTT) faculty. In an attempt to better understand the needs of these faculty members, hear directly from them, and get a sense of their perspective of the current conditions, focus groups were held on each of the University campuses. The focus group conversations illustrate the thoughts, opinions and experiences held by many NTT faculty at the University of Missouri. Several themes emerged:

"We enjoy the work we're doing" – Many of the NTT faculty members enjoy working at the University of Missouri and like their jobs.

"Variation by campus, college/school and department" -- While some general themes emerged, caution is recommended. Don't over-generalize and assume that everything is the same across all departments and colleges/schools. There are some rather dramatic differences by college or school, and they are often based on the nature of the NTT appointments and how integral the NTT faculty members are in fulfilling the college/school's mission.

"We want to be valued for what we do" – Much of the conversation centered on the fact that NTT faculty members often feel that they are not fully appreciated for the contributions they make. They want to be recognized and valued for what they do and the role they play in fulfilling the mission of the department, college/school and campus.

"Some basic policies would be helpful" –The nature of NTT faculty appointments creates a certain level of job ambiguity, job insecurity, and concern about compensation. NTT faculty express a desire for greater job security, more clarity about job expectations and more specific guidelines about what activities will be rewarded.

"It's about climate and inclusion" – NTT faculty want to feel that they are partners in the department or college/school and that they are appreciated. In addition to being recognized for their hard work, they want to have a voice in relevant decisions, have some protection and be included as colleagues based on their demonstrated effort, skills and talents.

Conclusion – Several of the changes don't require a lot of new money … just good practices. Many of the concerns, however, require a focus on the department, college/school, and campus culture and climate. NTT faculty want to be valued for what they do, to have proper notice and clarity about job assignments, and to be able to participate more fully as members of the academy. In short, they want basic respect and to be treated like partners in fulfilling the mission of the campus.

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BACKGROUND CONTEXT

The University of Missouri recognizes the significant and sustained contributions of non-tenure track faculty to the teaching, research, economic development and service missions of the University. In recognition of these contributions, the University of Missouri Intercampus Faculty Council and chief academic officers, together with the UM Office of the Senior Vice President for Academic Affairs seek to introduce a new categorization of faculty. This initiative attempts to differentiate the roles and relationships for different categories of faculty members within the institution.

METHODOLOGY

The University of Missouri chief academic officers, in consultation with their staff and deans, submitted a list of representative NTT faculty with varied responsibilities, roles and disciplines. The NTT faculty were invited via email and campus mail to participate in focus group conversations held in November and December 2005 on each of the campuses. In the majority of instances, more than one option was given to the NTT faculty and spaces were filled on a first-come, first-serve basis.

A total of 73 faculty members participated in seven focus group conversations designed to better understand the perspectives, experiences, and needs of the NTT faculty. The focus groups were held in a private room on each of the campuses. Agreements of confidentiality were assured verbally by all parties before the conversations began. An employee of the University's temporary employment agency was hired to record and transcribe the conversations. The decision to use a third party for recording and transcribing the discussions was a deliberate attempt to create a safe, non-threatening environment where participants could offer candid responses.

Due to the relatively small sample size and to ensure confidentiality, identification of department, college/school and titles of the participants is not reported. Although participation rates were high, one must be cautious about generalizing these comments to the entire group of NTT faculty at the University of Missouri. This was simply an attempt to hear directly from the NTT faculty and get a sense of their perspective of the current conditions and to add their point of view to the other discussions of this issue.

The focus group conversations addressed four main topics related to their experience: 1) roles and responsibilities; 2) differences between NTT faculty and tenured/tenure-track faculty; 3) contract terms and performance expectations; and 4) resources and support. In an effort to facilitate discussion of these main topics, the following questions were used as guides:

- Introduction: What is your name? Your official title? Your department? Length of time with the University? Length of time as a full-time, non-tenure track faculty member?
- Please describe your job and the role you play in your department.
- How does your job differ from that of tenured and tenure-track faculty in your department?
- Does the University provide you with enough support to do your job well? If no, what else should they do?
- Are you asked or expected to do things that are not part of your job? If so, what are they?
- What are the terms of your employment contract?
- Is your contract renewal linked to an evaluation? How does it work? Are the evaluation criteria clear and fair?
- How are full-time, non-tenure track faculty treated in your department and college/school?
- What can the University do to make full-time, non-tenure track faculty more satisfied employees?

FINDINGS

The majority of the NTT faculty members who participated in the focus group discussions said that they enjoyed working at the University of Missouri and liked their jobs. There is, however, an opportunity to improve the culture and climate of the department, college/school or campus as it relates to NTT faculty. The following sections will discuss: (1) roles and responsibilities of NTT faculty, (2) differences between NTT and tenured/ tenure-track appointments, (3) contract terms and performance expectations of NTT faculty, and (4) resources and support of NTT faculty. Underlying these discussions are the critical issues of job security, financial resources/compensation, respect and inclusion.

ROLES AND RESPONSIBILITIES

NTT faculty perceive that they are expected to carry the extra workload that their tenured/tenure-track colleagues do not want to do. In the majority of instances, NTT faculty feel they have been given increased work load without additional compensation. The perception and realities of little or no academic rights also exacerbates the problem in that the majority of the NTT faculty perceive that they have limited ability to refuse certain requests by their leadership for fear of retribution, punishment or non-renewal of contract. They would like to have their rights and responsibilities better defined.

There is great variability across colleges/schools in the participation of NTT faculty in department and college/school level shared governance. In relatively few cases, NTT faculty are fully integrated (including voting privileges on most matters except tenure and promotion) into the shared governance of their department or college/school. In other

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instances, NTT faculty are left outside of faculty governance structures altogether. In at least one instance, a NTT faculty member was casually asked not to attend meetings.

Overall, there is a general sense by the focus group participants that the work they do is less respected and recognized at the campus level (and in some cases at the department or college/school level). Several suggestions to improve or build on current strengths included orientation for NTT faculty to discuss their specific roles and rights in the department, college/school and University; a NTT faculty handbook to serve as a resource; an organized body for shared governance; voting rights; reward system that recognizes and values the contribution NTT faculty make; and respect for the variety of ways the NTT faculty add value to the University.

"I think we are doing a good job for the University, but we are not being recognized."

"I think we need more than just a name change, we need to make sure policies support more than just a name change."

"It would be nice to have institutional structure that was more welcoming and comforting to non-tenure track faculty."

DIFFERENCES BETWEEN NON-TENURE TRACK AND TENURED/TENURE TRACK FACULTY

When asked how the work done by the NTT faculty participating in the focus groups differs from that of their tenured/tenure-track colleagues, it was not uncommon to hear reports of little or no differences. As the conversation evolved, however, there were indications that either the type of research or teaching loads differed, or the expectation of research quality or service varied.

The conversation on workload differences between tenured/tenure-track faculty and non-tenure track faculty confirmed a lack of understanding of the academy and the tenure system by some. This misunderstanding is potentially problematic if it leads individuals to attribute inequitable treatment when none exists. Similarly, several NTT faculty noted that the workload of their tenured/tenure-track faculty varied for legitimate reasons (i.e., less teaching to focus on research). Participants reported in some cases there was little evidence of productivity over long periods of time despite different workload assignments (i.e., less teaching to focus on research but no resulting publications or grants).

The most troublesome differences between NTT faculty and tenured/tenure-track faculty had to do with disrespect and exclusion. Words and phrases like: second-class citizen, un-person, lackey, and marginalized surfaced repeatedly. An example articulated by more than one faculty member was the physical office space of faculty. In this example, the NTT faculty are housed in the basement with tenured faculty on the top floor and tenure-track faculty on floors in between the two groups.

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Suggestions made by participants to improve or build on current strengths included creating a reward system that recognizes and values the contributions made by NTT faculty; respecting the variety of ways they add value to the University; providing sensitivity/diversity training; developing titles that eliminate the feelings of being part of a class system; creating a culture that fosters greater respect for NTT faculty; and making small but significant changes in the department regarding sharing of resources, space and collegiality.

"There are times when I feel like an un-person because there are things that go on where non-tenure track faculty don't have a voice... I'm kind of in one world and the faculty are in another world."

"I think we all feel like second class citizen at times."

CONTRACT TERMS AND PERFORMANCE EXPECTATIONS

The length and terms of contracts varied greatly among the NTT faculty participants. Some NTT faculty reported recurring explicit contracts whereas in numerous other cases, NTT faculty had never received a contract. Similarly, some NTT faculty received recurring letters of employment but most letters stated nothing more than salary and the extent to which these letters articulated performance expectations was minimal. Additionally, the performance expectations for the NTT faculty are not systematically communicated across departments, colleges/schools, or campuses. The NTT faculty expressed frustration at the lack of clarity of performance expectations. They reported that the extra work they do is either not taken into account or they are not informed as to how it is evaluated. Because of the insecurity of feeling they are not able to decline additional work because of department needs, NTT faculty perceive this overload is not always recognized or linked to rewards consistent with the effort and time expended.

A related issue is the ambiguity associated with no formal policies for sick leaves, vacation, or development leaves. Suggestions to improve or build on current strengths included offering multi-year contracts; providing specific terms of employment in a formal contract or letter that is shared with NTT faculty; explicitly stating performance expectations and measures; developing a formalized and clearly communicated workload policy; and clearly articulating leaves and vacations.

"I wish there was some office on the system level that worked with non-tenure track faculty job titles and descriptions. I wish there was some understanding of what we do and what our needs are."

"It's a vicious cycle.... [the university] can get lucky because we do have a spouse, we have no job security but there are people who have been doing it for six or eight years."

"Our duties are quite often things others don't want to do."

RESOURCES AND SUPPORT

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More than roles, responsibilities, contract terms and performance expectations, the biggest concern that surfaced during the focus group conversations was that of being properly recognized, respected, rewarded and included in the University. Interestingly, compensation, though clearly important, was not the first issue to be raised. Issues of respect and inclusion surfaced more quickly and abundantly. Participants in the focus groups also identified eligibility for paid leaves, better reward systems, resources for professional development, participation in decision-making and job security (i.e., longer-term contracts) as major issues. The following comments illustrate their concerns:

"Regular faculty don't have to do anything to fit in, but non-regular faculty have to do a lot."

"I don't need tenure, I just need the kind of security other jobs offer for doing a job well."

CONCLUSION

The focus group conversations with NTT faculty at the University of Missouri provided insights into the experiences and perspectives of these faculty members. Some departments and colleges/schools are leading the efforts to integrate NTT faculty more fully; treat NTT faculty with respect and recognition for the contributions they make; offer multi-year, rolling contracts; and provide more equitable salaries to NTT faculty. However, there still exists widespread variability across the University. The University and NTT faculty would be well served if guidelines are established to address clear performance expectations, specific contract terms, multi-year contract options, sick and personal leaves, vacations, and specified roles. The University also needs to increase awareness and respect regarding the experiences and concerns of NTT faculty given the discussions by this sample of faculty in the focus groups.

While many of the NTT faculty are at the University of Missouri because they choose to be, they still have a desire to be valued for the contributions they make, to have a voice in areas that directly impact the work they do, and to be included respectfully in the fabric of the institution. Many of the conditions noted in this report do not require a lot of new money... just good practices that are consistently interpreted and equitably applied.

Abbreviated

Regular and Non-Regular Faculty Report
Fall 2005

Prepared for the Intercampus Faculty Council
Study on Non-Tenure Track Faculty

Report prepared by
Tara R. Warne
Associate Institutional Research Analyst

Office of Institutional Research and Planning
University of Missouri

September 2005
(Modified March, 2006)

This report omits three figures. The full report is available at the following url:
http://www.system.missouri.edu/planning

Fall 2005 Regular and Non-regular Faculty Report

Executive Summary

This report outlines the distribution of teaching and research faculty across the four campuses of the University of Missouri. Comprised of a series of figures, the *Fall 2005 Regular and Non-regular Faculty Report* summarizes trends in the numbers of faculty in three broad categories: (1) Regular, ranked faculty; (2) Non-regular, ranked faculty; and (3) Non-regular, unranked teaching/research. All figures in this report include data from 1995 to 2004. Figures 1-4 report only full-time faculty. Figure 1 shows the number of regular, ranked faculty. Figure 2 shows the number of non-regular, ranked faculty, while Figure 3 indicates the number of non-regular, unranked teaching/research. Finally, Figure 4 shows the proportions of faculty in the three broad categories.

The highlights of this report include:

- From fall 1995 to fall 2004, the number of full-time regular, ranked faculty declined from 2255 to 2144 across the University of Missouri (Figure 1).

- From fall 1995 to fall 2004, the number of full-time non-regular, ranked faculty grew from 375 to 640 across the University of Missouri (Figure 2).

- From fall 1995 to fall 2004, the number of full-time non-regular, unranked teaching/research grew from 1047 to 1647 across the University of Missouri (Figure 3).
  - o The bulk of the growth in this category occurred because the Kansas City campus began including its medical, dental, and pharmacy residents in the teaching/research group in 2001-2002.

- From fall 1995 to fall 2004, the total number of full-time Teaching/Research faculty and staff grew from 3677 to 4431 across the University of Missouri (Figure 4).

Technical Notes

The broad categories of faculty used in this report were developed using job titles in conjunction with their corresponding University Occupational Group Codes. There are two University Occupational Group Codes: Administrative/Service/Support and Teaching/Research. Only those titles assigned to the Teaching/Research code are used in this report.

- Regular, ranked faculty refers to faculty with tenure or on the tenure track who carry ranked titles such as assistant professor, associate professor, and professor. This category includes the few people who carry titles associated with the regular, ranked category whose tenure status is listed as "not on track" as it appears their tenure status is incorrectly recorded. The numbers in this group do not shift the percentage of regular, ranked faculty relative to the other categories. Ranked faculty reflects the AAU definition of rank, which includes only assistant, associate, and full professors.

- Non-regular, ranked faculty refers to faculty who are not tenured, or on the tenure track who carry titles with qualifiers such as adjunct or resident instruction, clinical, emeritus, extension, professional practice, research, and visiting. Again the definition of ranked faculty follows the AAU guidelines.

- Non-regular, unranked faculty refers to faculty/teaching and research staff who are not tenured, or on the tenure track who carry such titles as instructor, librarian, post-doctoral fellow, research associate etc … Titles associated with graduate fee waiver eligibility were excluded.

- Full-time status was determined by benefit eligibility, rather than FTE. Faculty with regular benefits were considered full-time.

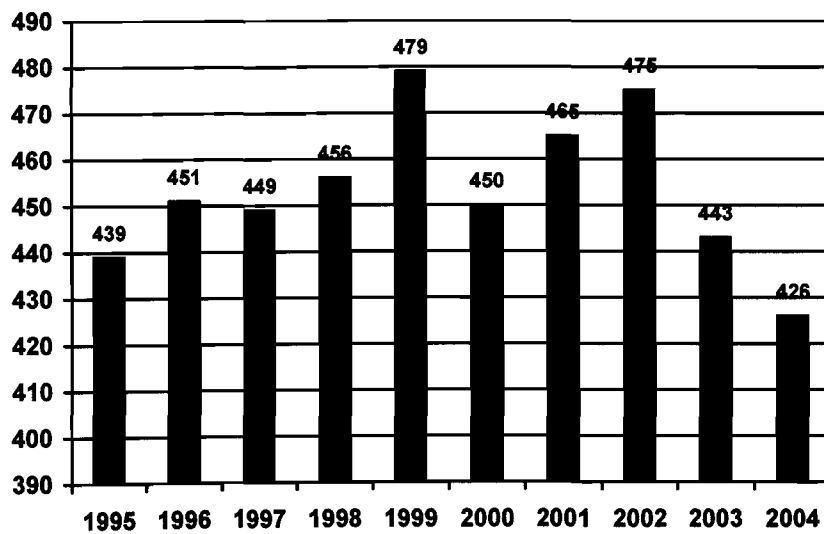- This report excludes faculty who are on unpaid leave.

The numbers for non-regular, unranked faculty at UMKC jump markedly between 2001 and 2002 because the Kansas City campus began including its medical, dental, and pharmacy residents in the teaching/research group.

Figure 1: Regular, Ranked Faculty (full-time)
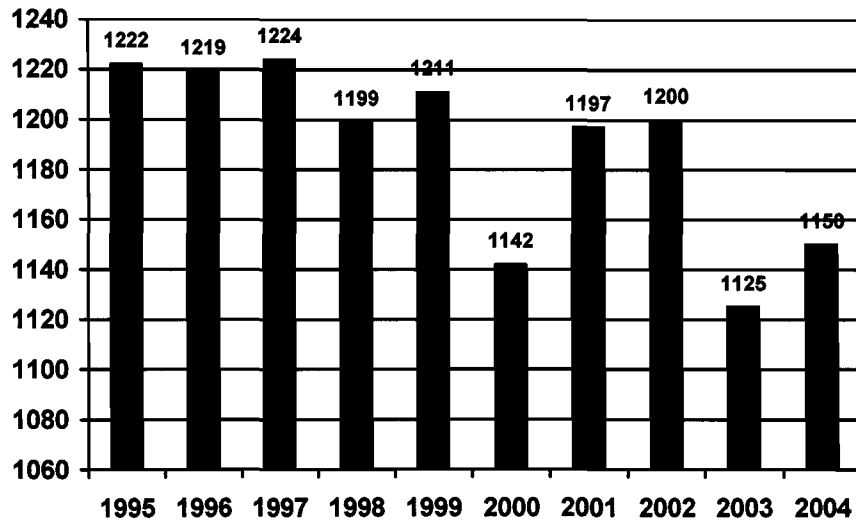
University of Missouri - COLUMBIA

University of Missouri - KANSAS CITY

University of Missouri – ROLLA

Year	Value
1995	282
1996	286
1997	283
1998	292
1999	294
2000	254
2001	264
2002	268
2003	268
2004	276

University of Missouri - ST. LOUIS

Year	Value
1995	312
1996	323
1997	318
1998	315
1999	320
2000	306
2001	300
2002	298
2003	287
2004	292

University of Missouri - SYSTEM

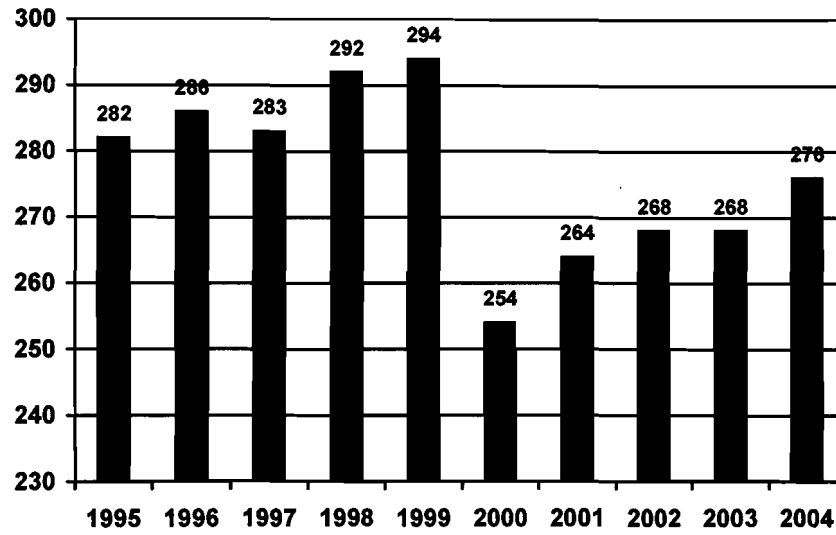## Figure 2: Non-Regular, Ranked Faculty (full-time)

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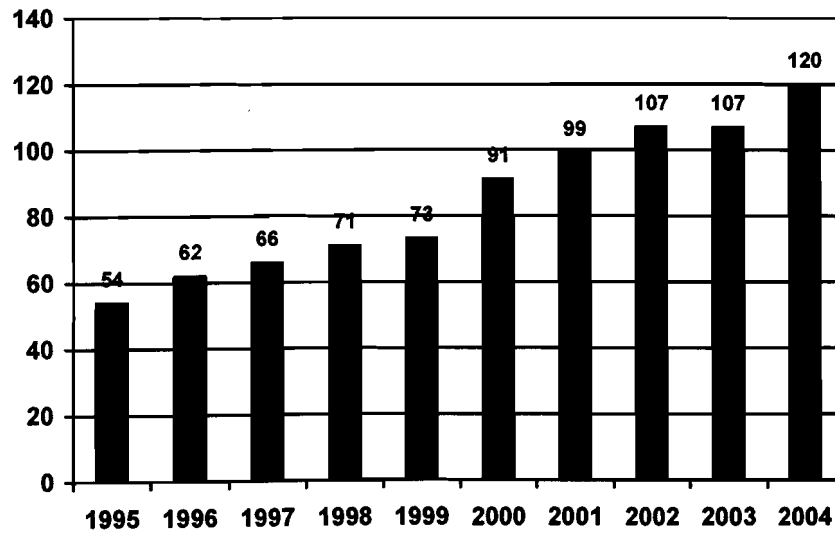
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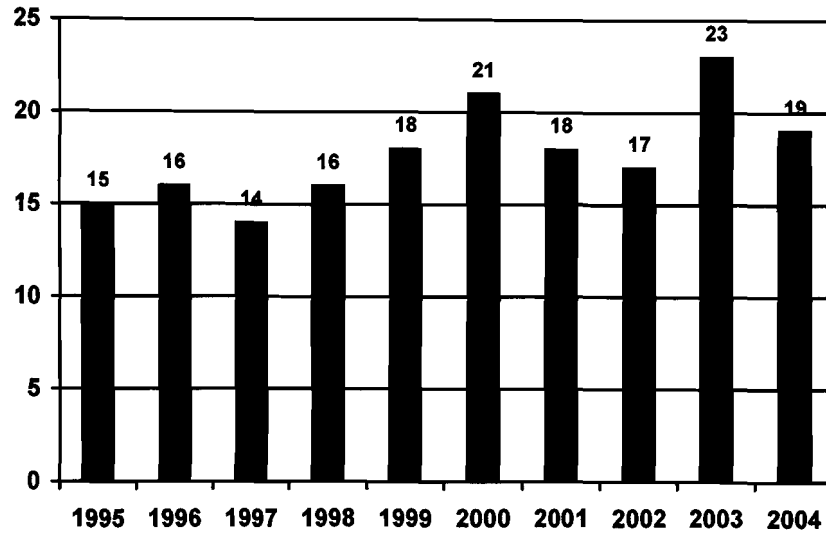
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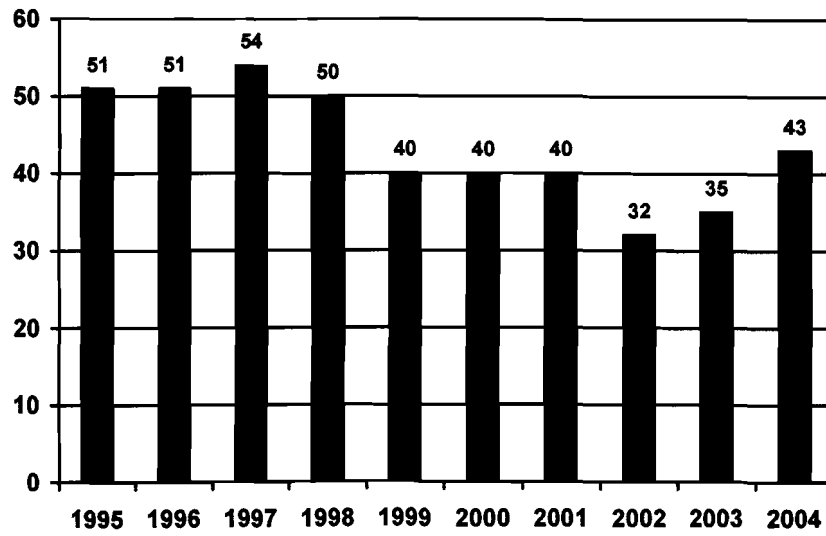
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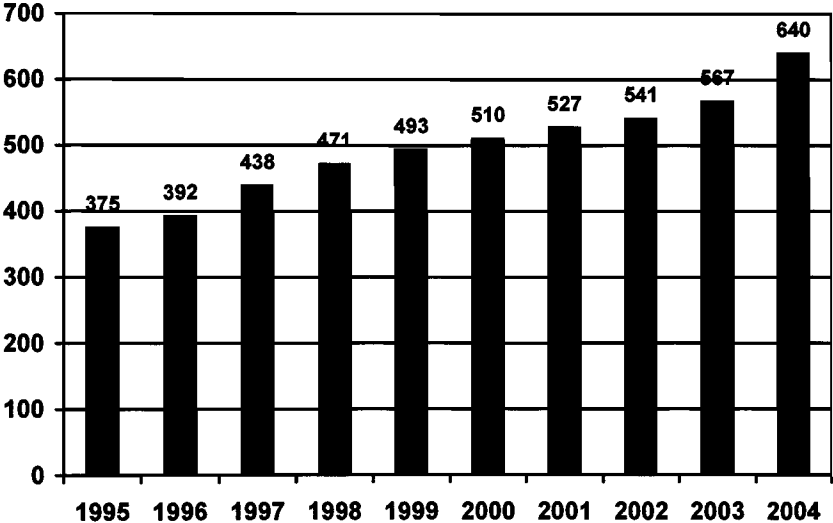
Figure 3: Non-Regular, Unranked Teaching/Research (full-time)
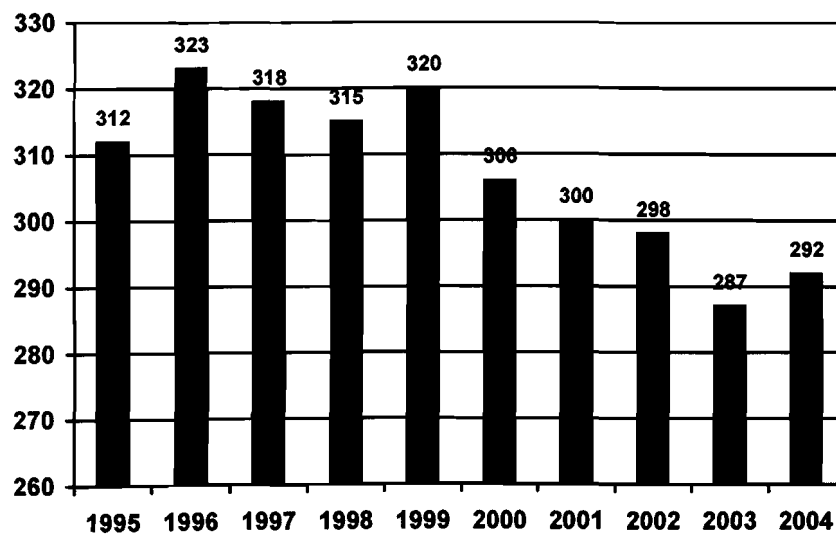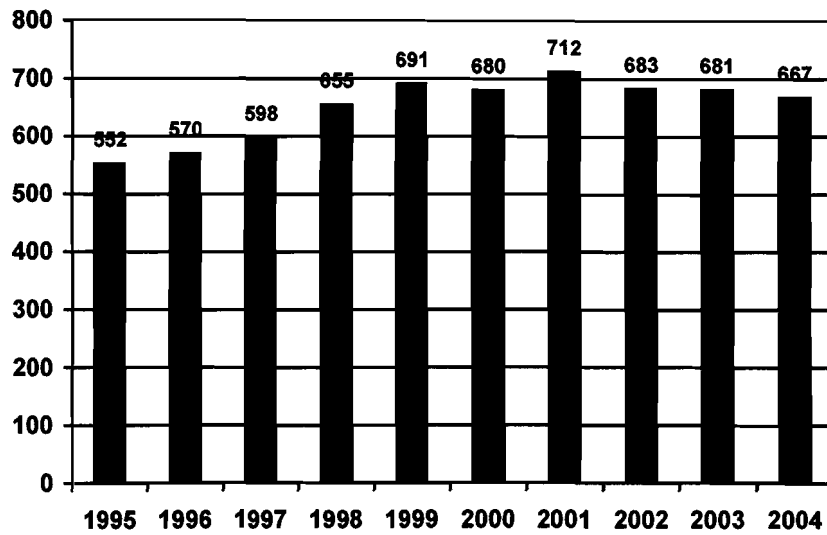
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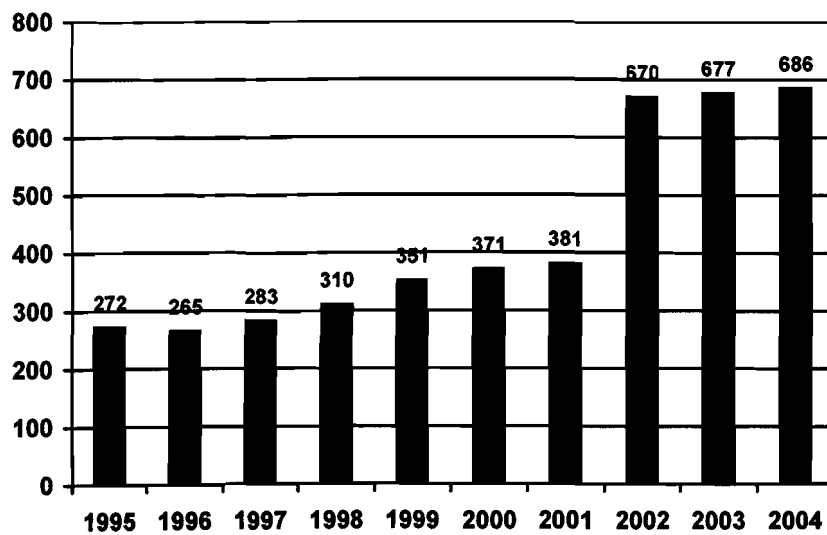
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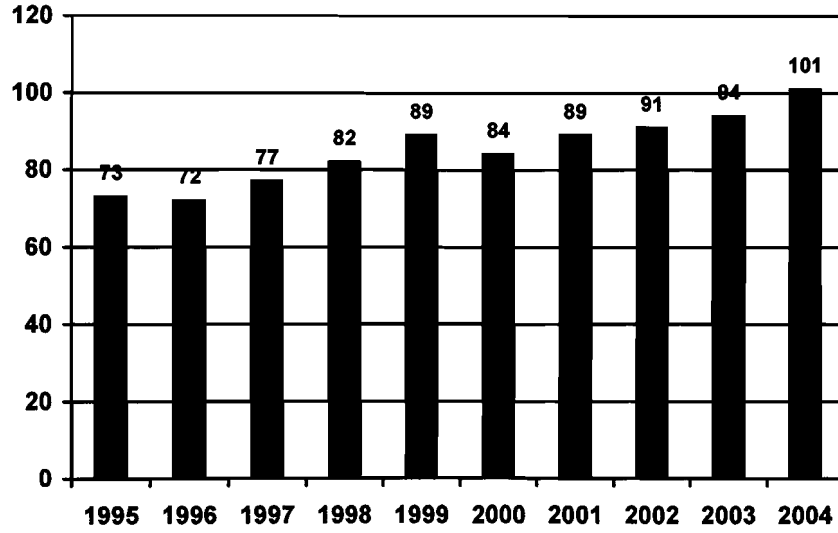
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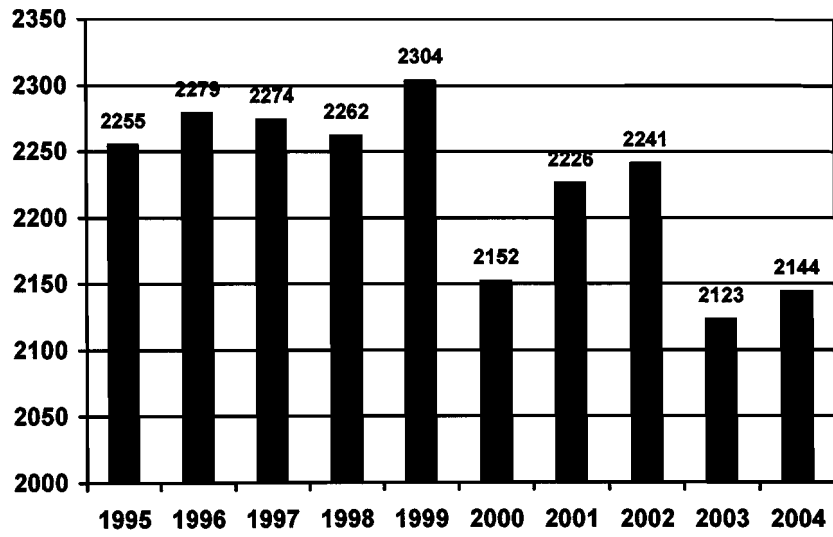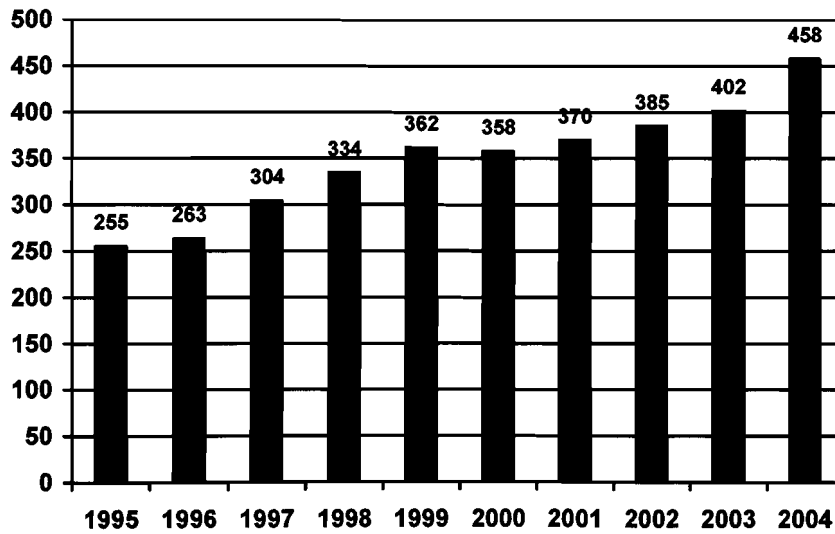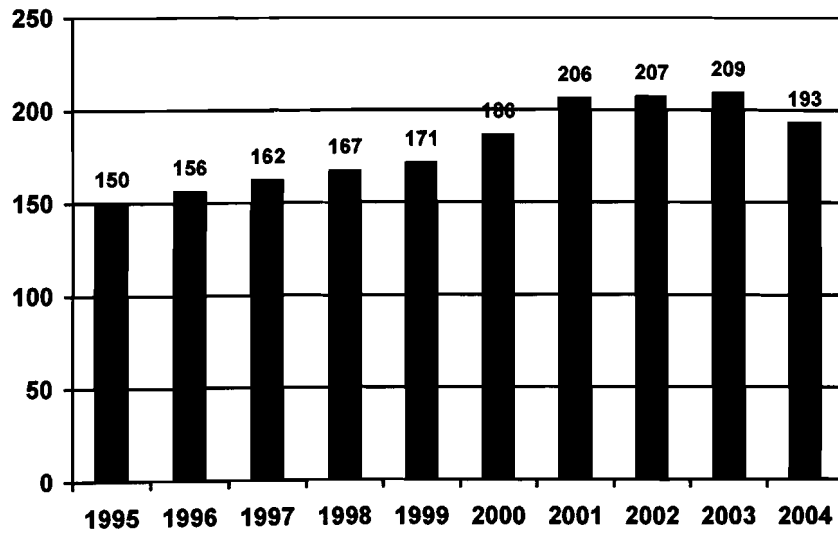
University of Missouri – SYSTEM
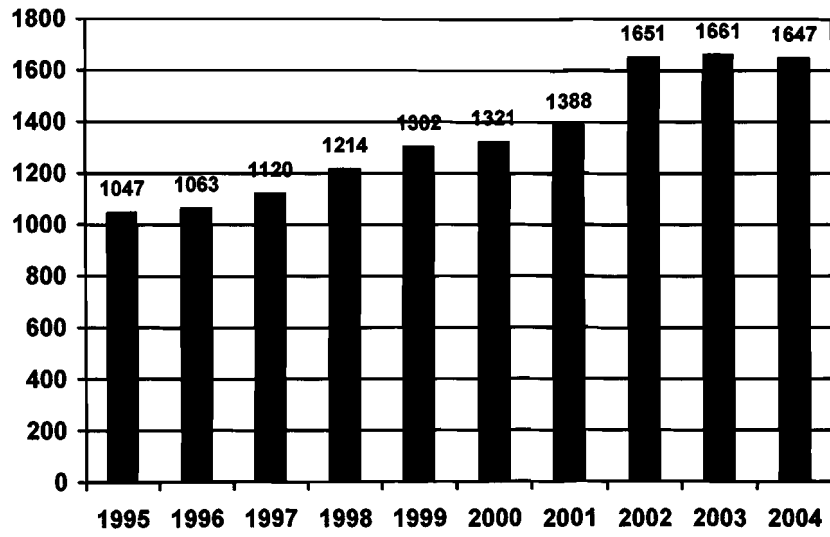
Figure 4: Total Teaching/Research (full-time)
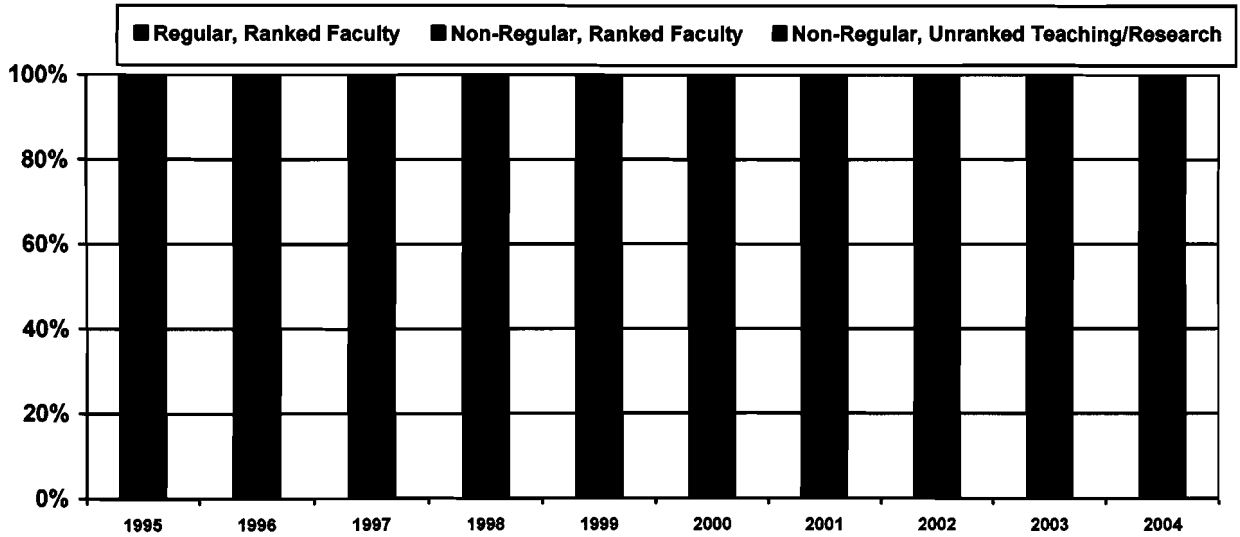
University of Missouri – COLUMBIA

University of Missouri - KANSAS CITY

University of Missouri – ROLLA

Legend: ■ Regular, Ranked Faculty   ■ Non-Regular, Ranked Faculty   ■ Non-Regular, Unranked Faculty

University of Missouri - ST. LOUIS

Legend: ■ Regular, Ranked Faculty   ■ Non-Regular, Ranked Faculty   ■ Non-Regular, Unranked Faculty
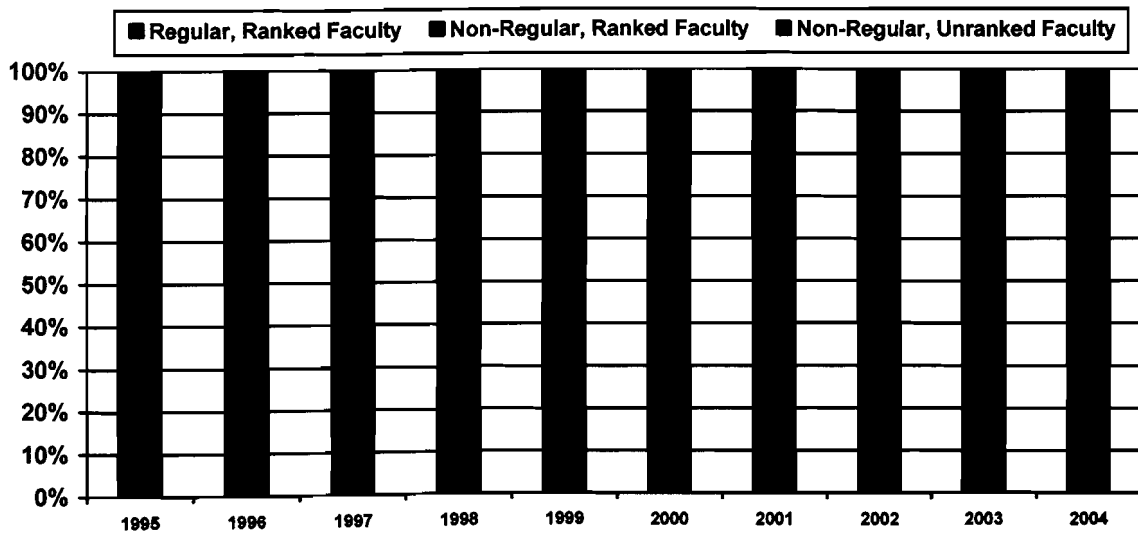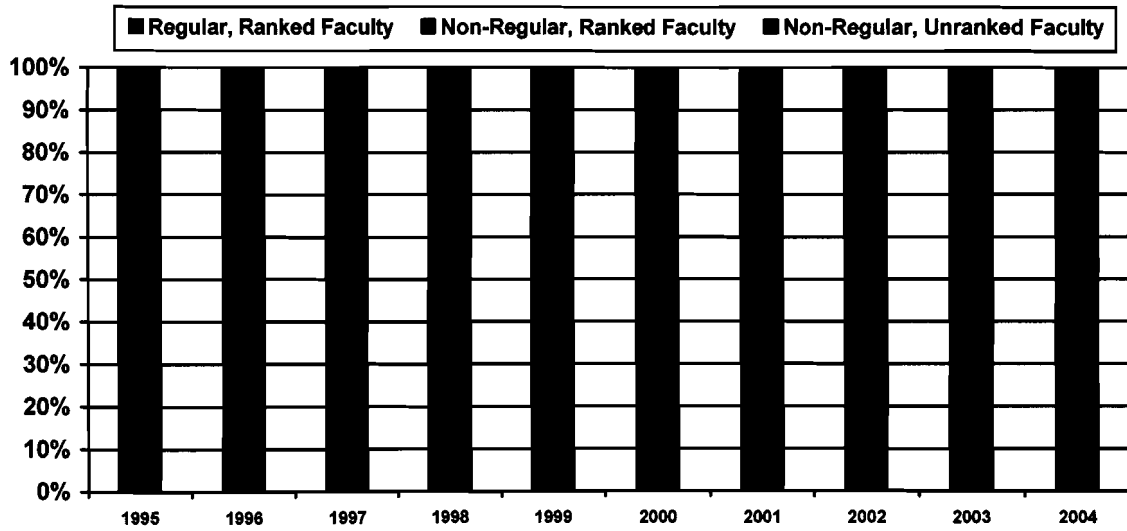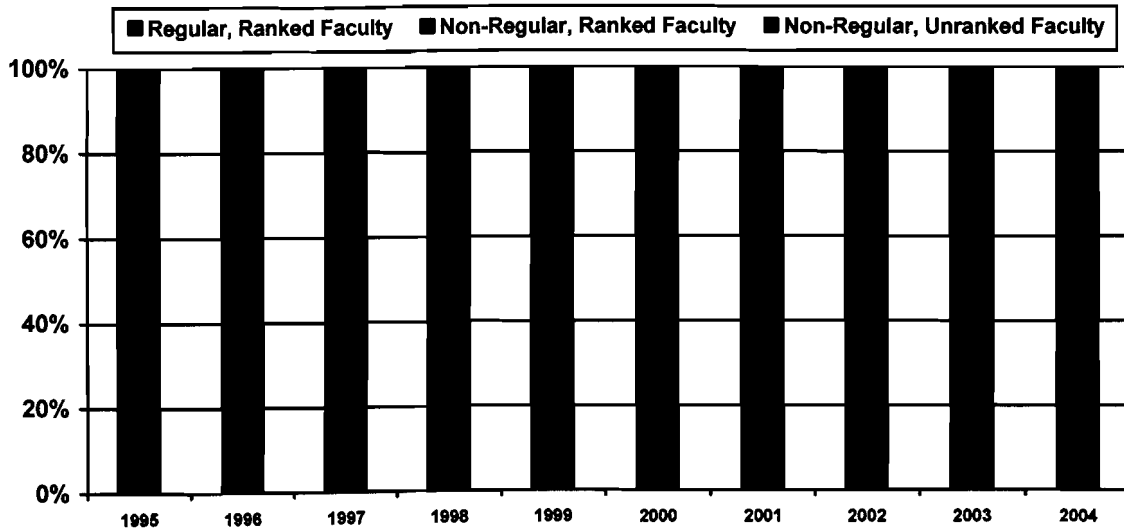
University of Missouri – SYSTEM
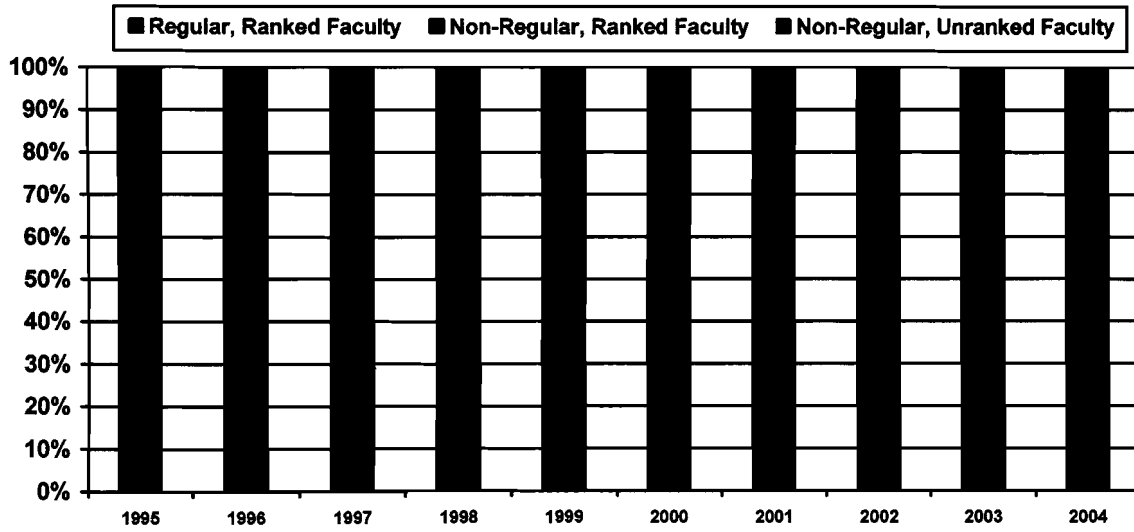
Academic Council Report on the Proposed Administrative Realignment Options

Prepared for the Consideration of the General Faculty

March 7, 2006

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Academic Council Assessment of the Proposed Administrative Realignment Report

I. Summary

This report summarizes the Academic Council review of the proposed administrative realignment, in which the UMR academic administrative structure would be based on either a two-school or no-school structure. Because of the short timeline to complete the assessment, an approach utilizing the standing committee structure was employed. Specific UMR Faculty Committees were asked to submit their input on how the administrative realignment would impact their committee functions and the University. This report simply details the advantages and disadvantages of the two alternative realignment scenarios and presents a brief consideration of budgetary aspects of these alternatives. In some cases, the report contrasts the models with the current situation, i.e., 4 schools/deans. It also presents a consideration of some of the cultural aspects of the proposed administrative realignment and touches on other related issues, such as accountability and rewards. This report has been reviewed and approved by the Academic Council.

Both administrative structures offer advantages and disadvantages for the future of UMR. Both models also offer potential cost savings compared to the current structure, *assuming no new administrative positions created at other levels*. It is estimated that if the two dean positions that become vacant in August are not filled, an immediate cost savings of approximately $0.5M will result. Additional cost savings from elimination of some additional positions (via attrition) are implied, but not detailed in the scenarios. Both approaches would require significant revisions to the faculty bylaws, though the institution of the no-school structure would dictate more significant changes.

The no-school model may offer the advantages of a flatter administrative structure that empowers the chairs to represent their departments and to better highlight the successes of their departments. It should promote more accountability at the department level. More and stronger faculty involvement in campus governance could result. It is difficult to assess cost savings beyond those noted above without knowing more about how the current functions of the deans' offices would be handled. If the duties of the deans were moved down to the chair level, additional administrative support would be required at this level to enable the chairs to remain productive in their teaching and research roles. If this model is selected, attention must be given to addressing the roles of the deans in promoting the University and its growth to external constituencies.

A two-dean administrative structure would result in the retention of positions that have been important in recruiting, retention, problem solving, and providing academic focal points for the campus in its diverse academic portfolio. These positions have also been an important voice in the promotion and tenure process through their more intimate knowledge of the disciplines within their schools and individuals under consideration. Due to resource limitations and the process for resource allocation over the past several years, some believe that a "silo mentality" associated with the different schools has developed. This mentality may be reduced in either of

the two models, though it may not exist for administrative structural reasons. It would also be important to work to build a campus with two schools that have more of a "balance of power" than the previous four-school model. While the engineering disciplines will continue to dominate the University for the foreseeable future, an improved balance in faculty numbers, scholarly productivity, and student credit hours than currently exists may be possible in a two-school model.

The stated goal of creating cultural change across campus would benefit from more detail. If the desired cultural change refers primarily to eliminating the "silo mentality," it is not clear that eliminating the schools/college will do this. Most campuses in America are based on a school structure suggesting that the silo mentality is not a universal problem. If the change in culture refers to more than the elimination of the silo mentality, the faculty should be made aware of this intent and asked to consider it in detail. There may be other approaches to achieve cultural change across campus that should be addressed. These could include a reward system that is more directly tied to individual and unit performance, and the development of a budget allocation model that eliminates some of the combativeness associated with the acquisition of resources that currently plagues the campus.

II. Cultural Aspects of the Two Proposed Administrative Structures

The rationale for considering the elimination of the schools is to address the campus culture and to facilitate collaboration among faculty members and departments across the campus. While there has been significant positive interaction among faculty members from different units, there have also been concerns raised regarding budget allocations, which have led to severe competition between the schools.

One contributing factor to the competition for budget may arise from, what some perceive as, the lack of a resource allocation model that is equitable across campus and the four schools. The development of an equitable model is difficult due to the varied missions of the four schools, which perhaps also creates a "cultural" issue among the schools. Could the cultural issue/silo effect be eliminated by going to a no-school model, or will some of the same issues associated with equity in the current budget allocation approach remain? While there may be other cultural aspects of the two models, it seems that unless a resource allocation model that has the support of the chairs is agreed upon, then this competitive aspect of campus interactions will remain. Its complete elimination in any model may not be possible but appropriate attention to this issue should improve this situation.

Two-School Model

The two-school model would likely involve two rather disparate schools: engineering and a unified college that includes the arts, business, and sciences. This model would retain the strong academic voice for departments within the school and outside of Parker Hall. From this perspective, a "balance of power" across campus could also be maintained. An effective relationship between the two deans, whoever they are, would be critical. This structure would perhaps assist in retaining the "flavor" of the typical model that is used for universities, rather

than that utilized at more focused polytechnic institutes. However, this model may not facilitate the elimination of a "silo mentality" at this University. A two-school model also holds the risk of further polarizing the campus into "engineers" and "everyone else." It may also be questioned whether budget allocation at the school level is as effective as direct budget allocation to departments in terms of meeting the strategic initiative goals. This structure may be more effective, though, in maintaining a viable advocate for smaller departments.

No-School Model

As compared with the two-school model, the no-school model possesses some advantages and disadvantages. The complete elimination of the schools/deans may contribute to a loss of some important checks and balances in academic administration. This structure would certainly represent a flatter management structure and should empower the departments to represent their interests directly with the provost. This model may also facilitate budget management since the provost can serve as the natural leader for the campus to achieve its academic strategic goals. As such, resource allocation to the departments and budget management may be a more effectively managed process.

The no-school model may also contribute to the elimination of silos, though it still seems that an effective resource allocation model/reward system will be required to truly empower the departments and to reduce/eliminate some of the previously contentious disagreements regarding these issues. In this model, departments may be more accountable regarding their contributions to the University in achieving its strategic goals. Other duties, such as start-up package determinations, decisions regarding hiring slots, etc., that have been handled previously by the deans, will need to move up to the provost or vice provost level. This may place significant pressure on this individual to balance the numerous requests that he or she will receive in these areas.

III. Budgetary Aspects of the Two Proposed Administrative Structures

Without a thorough analysis of the required shift in duties currently associated with the deans' offices, an accurate determination of the cost savings associated with a reduction to a two- school or no-school model is difficult. A first look at the deans' budgets shows about $2.3M for salaries, fringe benefits, and E&E. Assuming that the two deans who have announced they will not be here beginning in August of this year are not replaced, it may be estimated that a cost savings in salary and fringe benefits of approximately $0.5M will be gained, irrespective of the model selected. This amount reflects a true savings in academic administration costs and the transfer in these resources to academic departments (or toward the budget deficit) could strengthen the academic programs and portfolio offered by the University. Either of the two models might also allow for possible further consolidation through attrition.

If it is assumed that the other duties presently associated with the deans' offices are shifted elsewhere in the administrative structure (either up or down, or both), cost savings beyond those associated with not replacing the two deans who are leaving are difficult to estimate. A thorough cost analysis needs to be carried out. This cost analysis would necessarily involve assumptions

about the two proposed administrative structures. For example, in the no-school model, consideration would need to be given to whether or not vice provosts would be added to the administrative structure. In the two-school model, the budget analysis might be based on the lateral move of support personnel from the other two deans' offices (assumed to be SoMEER and SMIS) to the two "new" schools. Some additional comments are given below for the two proposed administrative realignment options.

Two-School Model
The costs associated with two dean positions would be saved. An additional advantage of this structure is that, long term, it may be possible to reduce the number of support positions by attrition, compared to the existing four-school model. However, this consideration requires careful scrutiny based on the greater duties that may need to be taken on by these offices.

Potential disadvantages of this proposal include that it not only fails to support, but would actively hinder, the goals of the Strategic Plan to make management more important and visible. This approach may also result in a proportionately smaller financial savings, assuming that changes at the provost's level are minor. Lastly, from a budgetary perspective, this proposal has a cost/benefit ratio that is potentially not as attractive as the no-school model.

No-School Model
Potential advantages of this approach include savings in the salary and fringe benefits associated with four dean positions. While these savings would not be fully realized immediately, in the longer range timescale of the campus, these savings may be significant. Again, it would be hoped that these savings might be applied to support the academic programs on campus. Other potential advantages of the no-school model include improved efficiencies/effectiveness of operations and decision making.

Disadvantages of this model include the potential proliferation of positions, either at the department or provost position levels, that would perform the same functions/activities through duplication at both levels. (Note: this is actually only a budgetary disadvantage if, and only if, the potential proliferation results in greater salary and fringe benefits than are currently being spent on the dean positions.) Another disadvantage of this model is the greater magnitude of the required administrative reorganization. The influence of this on short term productivity should also not be forgotten. The cost of lost time in making the administrative structure changes, if the resulting operation does not result in improved efficiencies/effectiveness of operations and in the decision making process, should also be considered. Lastly, a final aspect of the reorganization under this model that should be considered is the danger of reassigning responsibilities without corresponding funding to complete the job. Stated otherwise, will chairs have unfunded mandates on top of their existing workloads? This is not strictly a budgetary issue, but it is important to ensure that this possibility is considered.

IV. Internal Communication Considerations Associated with the Two Structures
The flatter administrative structure associated with the no-school model may enhance communication between the departments, the provost and the chancellor. Such communication

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pathways are important for information and opinions coming from both sides (departments and faculty; and the chancellor and provost). The flatter structure may truly empower the departments to be their own representatives and advocates. This flatter structure may enhance aspects of communication and promote the effectiveness of the relationships that are critical to the efficiency and effectiveness of UMR in achieving its strategic goals. For example, enhanced communication may facilitate building consensus on key topics and provide more opportunities for individual faculty members and chairs to voice their perspectives. Through such opportunities, the flatter administrative structure facilitates keeping everyone on the same page. This may be particularly beneficial given the prior state of comparatively poor discussion/dialogue that occurred on many key topics. A critical aspect of the flatter administrative structure is that an "open" management style be utilized by both the chancellor and the provost. Thus, there appear to be numerous positive aspects associated with a no-school administrative structure.

Although the flatter no-school administrative structure may possess some significant advantages regarding communication, some cautions must also be noted regarding this structure. The elimination of the dean positions removes a strong management voice from the academic side of the campus. The disparity in the "level" of the direct reports may impact the willingness of individual chairs to speak freely on key matters, fearing repercussions regarding their comments. Department chairs, as a group, are diverse, represent diverse interests, and may be poorly focused, leading to less faculty input on campus decisions. Retention of the academic deans, even in a two-school model, provides some balance in the administrative structure that may facilitate the willingness of faculty and chairs within these schools to voice their opinions. This may be particularly important for untenured faculty members. This structure thus retains some of the "checks and balances" present in the most common academic structures, which some members of the campus feel are very important.

V. Impact on Tenure and Promotion and Career Development
Either of the new administrative structures will have a significant impact on tenure and promotion processes. In a two-school model, the P&T committees of each of the schools would need to be structured to ensure a fair and equitable review of all dossiers forwarded to the school P&T committee. Because the four schools on campus currently use different approaches to form their committees, a suggested process for the establishment of the P&T committees in the new schools might involve discussion between the faculty members of the school, the Academic Council Tenure and Personnel Committees and the dean of the respective school. This process might be steered by an ad-hoc committee including representation from the above groups. It should be led by either the faculty of the new school or by the Academic Council. This is one of the more important aspects of the reorganization that must receive significant attention, as well as buy-in from the faculty members in the schools and also the school leadership. Other aspects of the P&T process, such as the role and composition of the campus P&T committee, will also need to be reviewed, since the composition of this committee is currently determined by two representatives from each of the schools and the chair of the personnel committee. It is suggested that the Academic Council lead this effort, since by-law revisions will be required.

In a no-school model, two levels of the current promotion and tenure review structure would be eliminated. The meeting on this topic attracted approximately 90 members of the faculty. The slides from the presentation given at this meeting are available at the Academic Council web site. Significant changes to the faculty bylaws would be required, and it would again be recommended that an ad hoc committee led by the Academic Council address promotion and tenure considerations in this new structure. Most faculty members would agree that important voices in the P&T process are eliminated in this model, with perhaps the greatest concern being that a mid-level administrator with a good knowledge and understanding of an individual's contribution, as well as a more intimate familiarity with the individual's discipline, would no longer have a voice in the promotion or tenure process. The role of these committees in the promotion and tenure process might be compensated by the formation of a discipline-related committee that would be at an intermediate level between the department and the campus-wide promotion and tenure committee. One strategy that the ad-hoc committee might use would be to benchmark other institutions without a school/dean reporting level. Significant discussion with members of the faculty would also be planned. It is not believed that this is an insurmountable issue, but it is one that will require careful attention.

The role of the deans on career development should also not be forgotten. Typically, deans provide start-up packages and perform 3-year reviews for faculty members within their schools. Deans also provide insight into successes and areas needing improvement for untenured faculty members. While these missions may be fulfilled by the individual department chairs, it may be helpful to develop a more formalized mentoring program for young faculty members. Other aspects of the relationship between the deans and faculty members related to career development should also be reviewed to ensure that no important contributions are lost.

VI. Influence on the UMR Faculty Standing Committees

The membership of many UMR Faculty Standing committees is based on the election of representatives from the four schools across campus. Either the two-school model would require changes to the faculty by-laws. The transition to a no-school model would necessitate more dramatic revisions to the by-laws than the transition to the two-school model. However, for either structure, a thorough review of the by-laws would be essential. The elimination of the deans as voting members of the Academic Council, without the addition of other administrators would increase the proportion of faculty members on the Academic Council.

For the preparation of this report, all UMR Faculty Standing Committees were asked to consider the proposed administrative realignment from both a general perspective (opportunities and concerns related to the two models) and the perspective of how their committee operations would be impacted. Their responses are summarized below and their full reports are attached as Appendices. Although the Graduate Faculty is not an Academic Council standing committee, the chair of the Graduate Faculty was also asked to provide input along these lines as they relate to the Graduate Faculty and Research.

<u>Committee Input:</u>

Academic Freedom and Standards – The Committee would like to see a more detailed analysis of the cost savings associated with the elimination of the deans' positions. Another aspect of the proposed administrative realignment that should be considered is a thorough review of the functions performed by the deans to ensure that these functions are maintained in the new structure. The Committee is also concerned about the loss of "checks and balances" in the new system and the concentration of power at both higher and lower levels.

Budgetary Affairs – The input from this committee is summarized above in the section on "Budgetary Aspects of the Two Administrative Models." An immediate cost savings of $0.5M should result from not replacing the two deans who are leaving in August. A reduction to a two-dean model may not result in a cost savings that justifies the restructuring and associated changes and the transition period that will be required.

Curricula – The elimination of the Schools/College will have effects, both positive and negative, on the curricular processes. Some of the issues tend to point out the natural advantages of groupings of departments in curricular matters. In the absence of schools, other groupings of departments may be beneficial to encourage local input on issues before they get to the campus level. Such grouping will not initially have the infrastructure support and stability associated with the schools, while on the other hand, they will potentially be more flexible and more likely to focus on evolving departmental consistencies. The elimination of the Schools/College has potential to have some effect on the strategic objective of balancing the academic portfolio. Opinions differ as to the extent and nature of the effect. The possibility of a two-school model was introduced late in the process, and consequently, did not receive much discussion. This model would not require as much restructuring of curricular processes, and consequently, would temper both the advantages and disadvantages associated with the elimination of Schools/Colleges. It is noted that the two-school proposal may have a detrimental effect on marketing and promotion of some programs.

Graduate Faculty – One aspect of the responsibility of this organization is to establish the rules and regulations for the awarding of graduate degrees and eligibility and requirements for graduate degrees. The deans' offices play a leading role in ensuring that these regulations and requirements are followed, especially since the position of Graduate Dean was eliminated. Most of the deans' offices have a full-time graduate studies assistant who checks to make sure that the regulations are followed. Typically these responsibilities include checking the theses and dissertations to make sure they fit within the required format. It would probably be difficult to reassign these responsibilities to the departments without requiring increased staffing at the department level. The elimination of the deans' positions will also have an impact on research. Many examples of the successes of the deans' offices in facilitating interdisciplinary research may be cited. Lastly, the deans have also played an important role in corporate relations.

ITCC – The membership of this committee is principally departmental representatives. Therefore, the initial impact of any administrative realignment will be minimal. At the present

time, the four deans, the Vice Provosts and the Chief Information Officer report to the Provost and serve on the Provost's cabinet. Within the Provost's cabinet, the deans can influence decisions regarding IT. In a no-school model, IT and the ITCC would report directly to the Provost *in parallel with* the Academic Department chairs. This kind of representation is consistent with the composition of the ITCC itself (one elected representative per department). Since most ITCC representatives are supported by their department chair, both the chairs and the ITCC could present a unified voice to the Provost on departmental academic and IT priorities. If the changes in administrative structure were to include the creation of a Vice Chancellor for Information Technology the *official* ITCC activities would be affected. In this case, the faculty bylaws would need to be changed to reflect the ITCC providing advice to the Vice Chancellor for Information Technology and the Chancellor.

Library and Learning Resources – The committee did not see an impact in this area from either model.

Personnel – The deans play a role in the recruitment of graduate students and their elimination may have a negative effect in this area. However, these duties may be very minor in nature and could be handled by department chairs or someone on the Associate Provost level. Overall, we do not see this as a major issue.

Tenure – Regarding the impact of reorganization on Tenure, the primary concern is that the tasks performed by the review above the department, but below the campus, are not lost. These tasks consist of:
- Discipline-focused study of individual cases
- Resolution of conflicts between faculty P&T committees and chair recommendations
- Study cases in a manageable number
- Provide protection in legal challenges through additional levels of review

VII. Comparison with Other "Unique Schools"
Other schools possessing a "non-traditional" administrative structure (i.e., a structure without dean's positions) include the Colorado School of Mines, Worchester Polytechnic Institute, and Cal Tech. Descriptions and makeup of these schools are discussed in Appendix. None of these schools utilize a structure with dean's positions, though other top five schools such as Rensselaer Polytechnic Institute and the Massachusetts Institute of Technology do use an administrative structure with deans. One aspect of the reorganization that should perhaps be considered is whether the administrative structure of the University reflects on the external perception of the campus, particularly as we strive to become a "top five" technological research university. We may want to question if the organizational structure will affect the national reputation of the University and our ability to attract and retain high quality students and faculty. It is noted that no American University as large as our campus has adapted the no-school model and there is concern that this structure may make it harder to reach the goal of having more broad-based student body.

VIII. Concluding Remarks

This report has detailed some of the aspects associated with the two proposed administrative realignments: a model with no schools/academic deans and a model with two schools and two deans. Each model possesses a number of distinct advantages and disadvantages. The transition to a no-school structure will involve greater changes compared to our current structure and carry with it great risk regarding the success of our current operations. This structure may also offer great rewards compared to the way that we are currently carrying out business. It would be imperative to have a more detailed description of how the functions of the deans would be carried out in this new structure as well as to look for increased efficiencies elsewhere within the University to ensure that the structure enables the achievement of the Strategic Goals of the University.

A transition to a two-school model would be less dramatic than a transition to the above model. It would carry with it less risk, but also would most likely carry with it less reward. It would certainly represent less of a change in the way that we conduct business and fulfill our teaching, research, and service missions. Some important aspects of a traditional university would be retained in this structure and it seems to be an effective approach that is utilized in a spectrum of universities across the country. It has proven effective at these universities, and historically, was an important part of the transition of the Missouri School of Mines into a University. This model would preserve a focal point for the academic and research missions of the disciplines here at UMR. The school structure also provides a buffer layer between the departments and faculty and senior levels of administration. This carries with it pluses and minuses as well.

Another aspect of the proposed administrative realignment is that the rationale for the elimination of two or four schools needs to be more clearly defined and the cost savings need to be identified. Cultural aspects of campus operations that will be improved should be reported and anticipated cost savings should be better assessed, invoking appropriate assumptions regarding the movement of duties to the provost's office and chair levels on campus.

Appendices

Appendix A
Administrative Structures at Universities without a "School" Hierarchy and Another Benchmark Technological Research University

Cal Tech has approximately 280 faculty members and an administrative structure with seven administrative units, including: Biology; Chemistry and Chemical Engineering; Engineering and Applied Science; Geology and Planetary Science; Humanities and Social Sciences; Physics, Mathematics and Astronomy; and Interdisciplinary Programs. The administrative structure of the school includes the President, Provost, Vice Provost, General Counsel, Vice President for Business and Finance, Vice President for Development and Alumni Relations, Vice President for Public Relations, Vice President for Student Affairs, Treasurer & Chief Investment Officer, and the Jet Propulsion Laboratory. The school has approximately 900 undergraduate students and 1,200 graduate students.

WPI is a polytechnic university that has 2,825 undergraduate students and approximately 1,000 full and part-time graduate students. The balance between men and women undergraduates is 77 percent male, 23 percent female. There are 260 full and part-time faculty members. The administrative structure of WPI includes a President, Vice President for Marketing and Communications, Institutional Vice President (University Advancement), Vice President & General Counsel, Director of Government Relations, Vice President for Information Technology, Director of Operations, Vice President for Campus Life, Provost/Senior Vice President, and Vice President for Finance & CFO. The organizational structure within the Provost's Office includes two Associate Vice Provosts for Academic Affairs, Director of Academic Operations, and five support staff.

The Colorado School of Mines is a public research university devoted to engineering and applied science. It has the highest admissions standards of any university in Colorado. The academic administrative structure includes an Executive Vice President for Academic Affairs, an Associate Vice President for Academic and Faculty Affairs, an Associate Vice President for Research & Dean of Graduate Studies, and an Associate Dean for Academic Programs. Three administrative assistants support this office.

The administrative structure of RPI includes the President, Provost, Secretary of the Institute & General Counsel, Vice President – Finance, Chief Information Officer, Vice President – Student Life, Chief of Staff, Vice President – Human Resources, Vice President – Administration, Vice President – Research, and five academic deans. There are five additional direct reports to the President. The school has 23 departments and four schools, including the Schools of Architecture, Engineering, Humanities & Social Sciences, Management and Technology, and Science. Interdisciplinary degree programs in Information Technology and Management and Technology are also offered. RPI has an undergraduate enrollment of approximately 4,900 and a graduate enrollment of approximately 1,200. In 2004 – 2005, the school awarded about 1,200 BA and BS degrees, 800 MS degrees, and 130 PhD degrees. The school employs more than 400 full-time and 80 part-time faculty members.

Appendix B

**Reports of UMR Faculty Standing Committees
on the Proposed Administrative Realignment Options**

Appendix B1
Academic Freedom and Standards Committee Report

The Academic Freedom and Standards Committee met on Tuesday, February 7, at 4 PM. Present were Professors Cohen, Chowdhury, Fitch, Haynes, Ludlow, and Summers. Professor Bogan, somewhere in Patagonia, and Professor Sarangapani, in class during the meeting, also received and approved this summary.

Following is a summary of our preliminary findings concerning the proposal to eliminate the dean positions. Based on available information, the actual savings to be achieved by the proposed elimination were not apparent and the committee felt it was important that a study be conducted to establish clearly what savings were anticipated. Likewise, the issue of ensuring that all necessary functions would continue has not been adequately researched--who will pick up the deans' office duties has not been made clear. Without a clear idea of these two matters, making an informed decision is not possible.

It was also mentioned that it appeared the calculations of UMR's portion of the administrative streamline request were done at a time when UMR still had both Chancellor Carney and Chancellor Thomas on the payroll, thereby distorting the amount of our campus's levy.

The committee expressed concern about what would be lost without the personal attention of the dean. We felt a single provost would not have nearly the time a dean does to devote to the problems and concerns of individuals and departments.

It was generally felt that the system of checks and balances would be weakened and opportunities for appeals diminished, particularly in regard to tenure and promotion, merit raises, workloads, etc. There was a general concern that too much power could be concentrated in the department chairs with less protection against the possibility of tyrannical behavior. It was also a matter of concern that various publics in the academic and research communities would perceive UMR to be a lesser institution (i.e., less than a university) if the schools and college were eliminated, thus impacting our ability to recruit and retain quality faculty, particularly in the smaller disciplines.

It was also strongly felt that some departmental consolidation would inevitably follow the elimination of the schools and some members raised concerns about this. On the positive side, one committee member felt that interdisciplinary research would likely become easier without schools. Several expressed approval of the idea that there would be less faculty meetings.

Overall, the committee's responses to the proposal ranged from "concerned, but not uneasy" to "almost assuredly opposed." The committee agreed that sufficient planning and research had not yet been made available and that, in the absence of adequate planning and research, support from the faculty would be tepid, as best. Far better that such radical change be made with the faculty and the new Provost working together a step at a time to ensure that everyone is supportive.

All in all, the committee sees considerable merit in retaining a school/college system but believes the faculty is generally keeping an open mind. Thus, if the Chancellor wants broad acceptance of the proposal, he might move cautiously ahead. Instead of committing to a full elimination of the schools, for example, some members suggested he might report to the President his intention to move ahead with consolidation of the four schools and college into two, but delay any further commitment until the new provost is on board and can discuss further plans in detail with the faculty. Other members were opposed to a two school model, however. We plan further discussion when more information has been made available.

1

Appendix B2
Budgetary Affairs Committee Report

In reply to the Academic Council's request for assessment of the Chancellor's proposal to eliminate the academic schools would have on the budget, the following report is provided for consideration. It should be noted that time and resource constraints did not allow the committee to do a detailed financial assessment. Further the committee was constrained in its assessment because details were not clear as to how/what activities/functions and personnel in the office would be reassigned. We were likewise limited in developing alternative scenarios to the elimination of the academic schools without further understanding of the purposes and/or problems that are being addressed by the proposed changes.

The following comments are offered for each of the identified scenarios.

Elimination of four academic schools
Advantages:
- Savings of deans' salary and fringe benefit costs
- Future savings from eventual consolidation of positions as a result of attrition—(if not allowed to cause growth elsewhere)
- Potential improved efficiencies/effectiveness of operations/decision making process—decisions become more efficient although perhaps quality will decrease through less checks and balances.
- There is one other expected benefit of eliminating the four schools/colleges. In times of change, people are more likely to revisit how and why we do things. In theory, there is no reason why we could not revisit how and why we do things under the current system. However in practice, the odds of this actually occurring are much greater when we seriously consider making changes.

Disadvantages:
- Potential proliferation of positions either at the department of provost positions to perform the same functions/activities through duplication at both the department and provost level (actually only a budgetary disadvantage if, and only if, the potential proliferation results in greater salary and fringe benefits than are currently being spent on dean positions).
- Cost of lost time in making changes if the resulting operation results in no improved efficiencies/effectiveness of operations/decision making process and/or if modifications in culture do not enhance strategic plan implementation.
- The dangers of reassigning responsibilities without corresponding funding to do related activities (i.e., will chairs have unfunded mandates on top of their existing workloads). Some may argue it is not strictly a budgetary issue, however it clearly is part of allocation/reallocation considerations since additional resources will be required for those units assigned the responsibilities.

Elimination of two academic schools
Advantages:
- Essentially the same scaled advantages and disadvantages as the elimination of four schools—not replacing two deans is a real savings versus sending two back to teaching which is only a paper savings.
- We could get to this model very quickly with fewer challenges as our overall School/Dean model would not change

Disadvantage:
- This proposal not only fails to support, but would actively hinder, the goals of the Strategic Plan to make Management as one of the components (science, engineering, management) of technological innovation more important and visible.
- A two school model holds the risk of polarizing the campus into Engineers and everyone else.
- The correspondingly smaller savings of this proposal (the salaries and fringe of two dean positions and potentially a few support staff) seem very small in light of the increased risk. From a budgetary perspective, this proposal has a poor cost/benefit ratio.

Alternatives
For cost reductions:
- Task each college to cut administrative costs the same way the vice-chancellors have been tasked.
- Review added administrative positions by the previous UMR administration for their effectiveness.

For "silo effects" reduction:
- Redesigning the reward system to tie rewards to the collective achievement of the strategic initiatives from the highest levels to the lowest levels insuring that the individual interests are closely congruent with the campus interests.
- Modify management style of provost and academic deans to achieve improved cooperation.
- Fill dean and provost positions with external candidates whose management styles are more consistent with the desired culture.

Summary:
Although there is not an adequate basis for any conclusions/recommendations as outlined above, it is the Budgetary Affairs committee's collective opinion that there will not be major impacts on the budget with the elimination of dean positions and schools. It is assumed that most of the activities/functions would need to be performed by others. There will be a transfer of funds from administration to academic positions as the deans' positions are reallocated to full-time faculty positions in their tenured department. In addition, there are possibilities of some efficiencies and elimination of some duplication of efforts.

Because no actual budget analysis has taken place and no alternative scenarios examined in depth, the committee cannot reach a conclusion and cautions that it would be irresponsible for the Budgetary Affairs Committee to recommend any plan that has not been appropriately analyzed.

Appendix B3
Curricula Committee Report

Background
On February 6, 2006, the President of Academic Council tasked the Curricula Committee, along with other committees, to provide input regarding the impact of the proposed administrative realignment. The Curricula committee discussed this issue briefly at its regularly scheduled meeting on February 7. Due to the short time constraints, the committee has not solicited any information from outside the committee. This report will focus on the impact of the proposed administrative realignment, namely eliminating the schools/college and dean positions, on the curricula and its associated processes.

Current Curricula Process
Any modifications to curricula, whether it be introduction of a new course, the modification of an existing course, the modification of a degree program, or introduction of a new degree program, currently undergoes an approval process to encourage refinement, consistency, and awareness. The process requires approval from the department chair, Dean, Curricula Committee, and Academic Council. New degrees also require approval from the Board of Curators and the Coordinating Board of Higher Education. Each School/College has its own processes for reviewing and approving curricular issues. The typical procedure includes a School/College level Curricula Committee that reviews all proposals originating from the School/College. Many concerns, conflicts, and errors are identified and resolved at this level. The Dean or Associate Dean is responsible for ensuring adherence to School/College policies, and for resolving any issues before sending the proposal forward to the campus level Curricula Committee. The Curricula Committee circulates all proposals on its monthly agenda to the chair of each department on campus. The entire process takes a minimum of approximately 8-10 weeks from the department approval to Academic Council approval.

Effect on Curricula Processes
It is clear that the elimination of the Schools/College will have a significant impact on the curricular processes, requiring the processes to be re-evaluated and adjusted. This would be both a blessing and a curse, in that it will force an opportunity to improve the processes, at the expense of a considerable amount of time and energy.

If the Schools/College level curricular evaluations are simply eliminated, advantages appear to be the reduction of the time required to go through the approval process, and the potential for an increased sense of responsibility for individual departments to take ownership of the evaluation process. Potential problems are the increased time required at the campus level to resolve problems that were typically handled at the School/College level, and the loss of a potential mechanism to encourage local evaluation of issues by closely related departments before reaching the campus level.

Another option that will likely be considered is replacing the evaluation and approval at the Schools/College level by evaluations by groupings of departments with shared curricular interests. These could be similar to current School/College groupings, but could also be much more flexibly arranged as needed.

Effect on Representation
The representation on the AC Curricula Committee will need to be considered. Currently there is one representative from each School/College plus two appointed by Academic Council and one by Graduate Faculty. Each representative typically takes extra initiative to be informed, and to take the lead in resolving any problems, about the curricula changes from their constituency. Groupings of departments based on subject area will likely need to be developed to ensure adequate and balanced representation. While a workable solution can be found, it does point to a reality of a natural need for groupings of departments within the campus.

There are several courses and a degree that are interdisciplinary in nature, and consequently are administered from the Dean's offices. Moving these to a campus level might make it easier to cross School boundaries with interdisciplinary efforts, such as in biotechnology, but would require the Provost's office to actively be responsible for such programs.

Effect on Curricular Policies
Another effect of eliminating the Schools/College is the inherent need to either standardize curricular policies across campus, or to replace the Schools/College with other groupings of departments to define the different policies. An example is the number of credit hours required for degrees, which is currently established for each degree type within each school/college. Other policy differences can be found on pages 48-52 of the 2005-2006 Undergraduate Catalog. While it is likely that some differences in policies will be allowed, many policies will likely be standardized. Standardization will have the benefit of uniformity. On the other hand, standardization may tend to dilute the strengths of the different types of programs. This may be counterproductive to the strategic objective of balancing the academic portfolio, as policies may have a tendency to favor the majority engineering programs. Therefore, the Curriculum Committee recommends that should the schools/college be eliminated, careful consideration be given to which policy differences should be standardized and which differences should be allowed.

Promotion and Marketing
One of the strategic objectives is to balance the academic portfolio. Presumably, this would primarily consist of aggressively promoting new and existing degree programs in areas other than engineering. The Curricula Committee has dealt with numerous cases in recent years of departments and schools strategically changing names and affiliations in order to better present themselves to their constituencies. This seems to indicate that the organizational structure could have a direct impact on the marketing of programs. There are differing opinions on this committee regarding whether the School/College model with Deans is an advantage in this

regard. If the strategic objective is to be a driving force behind decisions, this matter should be investigated more thoroughly.

Conclusions

This report documents the initial thoughts of the Curricula Committee regarding the impact of eliminating Schools/College and Deans on issues pertinent to curricula. Due to the constraints on time allowed to generate this report, there was no solicitation of external input.

The elimination of the Schools/College will have some effects, both positive and negative, on the curricular processes. Some of the issues tend to point out the natural advantages of groupings of departments in curricular matters. In the absence of schools, other groupings of departments may be beneficial to encourage local input on issues before they get to the campus level. Such grouping will not initially have the infrastructure support and stability associated with the schools, while on the other hand they will potentially be more flexible and more likely to focus on evolving departmental consistencies. The issues do not tend to relate so much to the size of the groupings, as to the connectivity and similarities within the groupings regarding curricular practices and policies.

The elimination of the Schools/College has potential to have some effect on the strategic objective of balancing the academic portfolio. Opinions differ as to the extent and nature of the effect. This should be investigated more fully.

The possibility of a two-school model was introduced late in the process, and consequently did not receive much discussion. This model would not require as much restructuring of curricular processes, and consequently would temper both the advantages and disadvantages associated with the elimination of Schools/Colleges. It was noted that the two school proposal may have a detrimental effect on marketing and promotion of some programs.

In the long run, the curricular issues raised do not seem to be insurmountable with any of the proposed models. In the short term, changes to the administrative structure would require significant investments of time to re-evaluate and restructure some of the long-standing curricular processes, which is a worthwhile venture from time to time.

Appendix B4
ITCC Committee Report

I. Information Technology / Computing Committee (ITCC) operation: Since membership of ITCC is composed of one elected representative from each department and the ITCC provides advice to the Provost and to the Chief Information Officer on campus IT issues, the immediate operation of the committee would not be *officially* altered by a change in the school structure (from four schools to no schools or two schools). The Deans do not attend ITCC meetings nor appoint any of its membership. Neither does the ITCC report to the Deans. The Deans have had some indirect influence on the operation of the ITCC, however, as mentioned in **III** below.

II. Creation of a Vice Chancellor for Information Technology: If the changes in administrative structure were to include the creation of a Vice Chancellor for Information Technology the *official* ITCC activities would be affected. In this case, the Faculty Bylaws would need to be changed to reflect the ITCC providing advice to the Vice Chancellor for Information Technology and the Chancellor. Whether this would be a more effective way for the faculty to provide input on campus IT issues is not clear. The Chancellor would on a daily basis not have the time that the Provost's office might have to deal with IT issues facing the campus. On the other hand, if the Vice Chancellor for Information Technology were to have a strong academic background (similar to that of the Provost) so that he, himself, might speak for the academic side of IT issues, the effectiveness of IT and ITCC might be improved. A good balance between efficient business operations of IT and a focus on IT's support of UMR's academic mission would be in the best interests of UMR.

III. ITCC and Information Technology reporting to the Provost in a four School structure: At the present time the four Deans, the Vice Provosts and the Chief Information Officer report to the Provost and serve on the Provost's cabinet. This body has made most of the major decisions regarding creation of new programs, budget cuts and campus long range strategy, all of which can affect IT. Thus, within the Provost's cabinet, the deans can influence decisions regarding IT. The fact that the faculty has had no representation on the Provost's cabinet has left the faculty Standing Committees (including ITCC) on the periphery. The Faculty Standing Committees often learn, after the fact, that a policy has been implemented.

IV. ITCC and Information Technology reporting to the Provost in a no School structure: While no one can foresee what the actual decision making procedures will be, this structure could have distinct advantages to IT, the departmental faculty (as represented by the Chairs) and the ITCC. In this case IT and the ITCC would be reporting directly to the Provost *in parallel with* the Academic Department Chairs. This kind of representation is consistent with the composition of the ITCC itself (one elected representative per department). Since most ITCC representatives are supported by their department Chair, both the Chairs and the ITCC could present a unified voice to the Provost on departmental academic and IT priorities. IT and the CIO would then hear a consistent voice from the faculty and could be more responsive to the

academic mission of the campus. This sort of input is *desperately* needed if the faculty, the departments and IT are all to focus on the academic and technological future of UMR.

V. Response from ITCC members: The ITCC members were asked to provide "pros and cons" of the proposed no-school and the possible two-school structure. To date direct input has been received from thirteen ITCC members. This represents about 50% of the ITCC representatives. The response was: 8 favoring no-schools; 3 favoring 2-schools; and 2 undecided.

Some members felt that IT had been strengthened and would not be affected by a new school structure. The remainder of the responses reflected various elements outlined in the comments above. Those favoring two schools also expressed a concern that a no-school structure might leave small departments without a strong advocate. Regarding the qualifications of a Vice Chancellor for Information Technology, one member thought an academic background would not be relevant.

Appendix C
Graduate Faculty Report on the Proposed Administrative Realignment and Strategic Plan

Background
This report is being prepared at the request of the president of the academic council to provide additional input regarding the possible impact of the proposed administrative realignment and strategic plan on matters of concern to the graduate faculty. The graduate faculty consists of all campus officials with administrative responsibilities related to graduate programs as well as other members of the university faculty who have been accepted into the graduate faculty in accordance with its membership rules. There is no graduate faculty committee per-se and therefore this report has been prepared by the present chairman of the graduate faculty after obtaining input from key administrators and distinguished professors as requested in the charge from the academic council and receiving additional comments from other faculty members.

Effects on the rules and regulations for the graduate faculty
The rules and regulations for the graduate faculty make remarkably few references to the present administrative structure of UMR. Representation of each school or college on the graduate faculty membership committee, which evaluates the qualifications of new applicants seeking associate membership or applicants seeking renewals of previous memberships, is required in the present rules. However, during a recent open forum dealing with tenure and promotion, the designation of specialization areas (roughly parallel to our current school/college structure but without any administrative function) was suggested as a mechanism for assuring that applicants' dossiers are reviewed at some level beyond the department by individuals working in similar academic areas. A similar change could be proposed, subject to graduate faculty approval, as an amendment to the graduate faculty rules so that each specialization area would be represented on the graduate faculty membership committee.

Also according to the present rules, applications for graduate faculty memberships and renewals are routed through the Deans' offices prior to being submitted to the provost. The rules would have to be amended to remove this step in the process if the Dean's offices are eliminated.

The graduate council, a subset of the graduate faculty, is charged primarily with setting the agenda for the graduate faculty meetings. Representation in the graduate council, like representation in the academic council, is based on degree programs and departments. This would presumably remain unchanged under the proposed restructuring.

Effects on the rules and regulations for the awarding of graduate degrees
One of the responsibilities of the graduate faculty is to make regulations concerning eligibility and requirements for graduate degrees. While, for example, the requirements for the qualifying exam, the comprehensive exam, the final defense, and the format of the theses/dissertation are set by the graduate faculty the responsibility for ensuring these procedures are followed currently rests in the Deans' offices. It should be mentioned that this function was relegated to the Deans' offices only after the position of Graduate Dean was eliminated several years ago.

Most of the Dean's offices have a full time graduate studies assistant who checks to make sure that the regulations are followed. Typically these responsibilities include checking the theses and dissertations to make sure they fit within the required format. It would probably be difficult to reassign these responsibilities to the departments without requiring increased staffing at the department level.

Effects on research
Many of the larger research programs on campus have had a considerable interdisciplinary component. An example of this is the current CAMT project which includes faculty members from both the school of engineering and SoMEER. An earlier example was the MURI humanitarian de-mining project which not only involved faculty members from SoMEER, SoE, and Arts and Sciences but also involved faculty members from other universities as well. The Dean's office was heavily involved, particularly for the MURI project, in bringing the right team of individuals together (both on campus and off campus) and in the initial operation of the project. In fact, this type of leadership is perhaps as much a tribute to the quality of individuals who have occupied the Deans' offices, as an endorsement of this particular administrative structure. Nevertheless, the deans have often demonstrated a willingness to place the university's interest before the interests of their respective schools or colleges in the numerous on-campus NSF proposal competitions since many of the NSF programs only allow one proposal to be submitted per campus.

The deans have also been instrumental in establishing and maintaining good working relationships with some of the largest employers of our undergraduate students (such as Caterpillar, Boeing, and GM). It is probably not coincidental that these companies have also sponsored many research projects on this campus. If under the proposed restructuring, the provost's office can provide this same type of leadership together with the same level of effort and success in cultivating these essential working relationships then perhaps these functions of the Deans' offices can be preserved in the new administrative structure. If not, it would seem difficult to achieve the desired increase in the level of funded research. There is nearly unanimous consent that the key to this increase will be increasing the number of large interdisciplinary projects rather than increasing the number of relatively small compartmentalized research projects.

The loss of Deans' positions would perhaps be the most difficult to overcome in the area of representation in state, national, and industrially sponsored forums. As an example, the opinions of the deans are important in many of the widely cited surveys used to evaluate the national ranking of engineering programs. It is not clear that the absence of a UMR representative at these Deans' meetings would have an adverse effect on UMR's ratings, but it may be worth considering this possible consequence.

2

The importance of strategic hires of new faculty

In order to expand the research program to the anticipated levels it may be necessary to hire additional faculty who will have minimal, if any, assigned teaching responsibility. There may be some political fall out from hiring faculty who do not teach but nevertheless there will be a real need for individuals who can devote their full efforts towards attracting the type of large interdisciplinary (and possibly multi-university) projects vital to increasing the research productivity and research portfolio of the university. This will be particularly true once the Dean's positions have been eliminated.

The decision to focus on emerging contaminants is certainly a step in this direction. However, the university must place itself in a position to respond rapidly to ever changing national needs and priorities. The recent emphasis on defense and security related research is one example of how quickly an area of research can ramp up in response to unpredicted events. Therefore, it will be necessary not only to hire research superstars who can work across department and school boundaries and also have the flexibility to adapt to an evolving set of priorities.

Concerns regarding the strategic priorities

In the course of discussing the strategic plan one of the most frequently voiced concerns was whether the proposed administrative realignment is diverting attention away from a more important discussion of how, specifically, to solve the campus's persistent budget difficulties. These problems have been discussed for at least the last three administrations at UMR and if the problems are indeed serious then the question of how many deans to have would seem to be a moot point at the present time. If elimination of the schools is a large part of the plan to restore long term financial health to the campus and if there is solid financial information shared with the faculty to back this up, the plan would probably receive a lot more support from the faculty. Many faculty members, correctly or incorrectly, still consider the "silo mentality" of the various Dean's offices to be an operational issue--a minor source of irritation and conflicting policies rather than a major strategic issue (like the budget deficit) that threatens the long-term viability of the campus.

Conclusions:

1. If the Dean's offices are eliminated, it will need to be done in a graceful manner that will allow the current responsibilities performed in these offices to be re-assigned to the provost's office or to the departments with a commensurate transfer of staff and resources. Any financial analysis of the savings achieved in eliminating the schools must also realistically account for the additional costs shifted to other parts of the campus.

2. If faculty and staff buy-in is important, then the link between the strategic plan, the administrative restructuring, and the financial survival of the campus should be presented in a manner that is sufficiently detailed to convince the faculty of the care, thought, and due diligence used in constructing the plan. The degree to which all of these objectives and strategies are viewed as harmonious and synergistic will have a positive effect on the

credibility of the plan. Conversely, strategic plan items that are perceived as conflicting will tend to hurt the credibility of the strategic plan.

1. As far as the number of schools is concerned, many individual faculty members have expressed strong opinions, but there does not seem to be any clear consensus.

Jaquess, Lois

From: Schwartz, Robert W.

Sent: Thursday, March 02, 2006 11:04 AM

To: Jaquess, Lois

Subject: Special meeting of the Academic Council

The Academic Council will hold a special meeting in Civil Engineering Rm. 125 on Thursday, March 9 from 2:00 to 3:00 pm to discuss the following agenda items:
1. Vote on the Public Occasions Calendar
2. Vote on a resolution to Vice President Ken Hutchinson regarding our benefits package
3. Vote on a resolution supporting the Chancellor's request for funding for the ME building
4. Review the proposed administrative realignment options

Respectfully,

Dr. Robert W. Schwartz
Professor and Associate Chair for Graduate Programs
President, Academic Council
University of Missouri - Rolla
Department of Materials Science and Engineering
222 McNutt Hall
Rolla, MO 65409-0330

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From:	Myers, Donald Dean
Sent:	Wednesday, March 08, 2006 8:21 PM
To:	Dubois, Robert D.; Myers, Donald Dean; Fitch, Stephanie L.; Blum, Frank D.; Hale, Barbara N.; Jaquess, Lois; Nisbett, J. Keith; Kosbar, Kurt Louis; Haynes, W(illiam) Lance; Cox, Leroy Rogers; McMillin, Bruce M.; Mundis, Nathan Lee (UMR-Student); Park, Eun Soo; Sedighsarvestani, Sahra; Smith, Jeffrey D.; Wilkerson, Ralph W.
Subject:	Proposed Motion

Attachments: Motion for AC Report.doc

Motion for AC
Report.doc (31 K... Attached is the proposed motion that I intend to make at tomorrow's Special Academic Council. I tried to take into account all the email input. Unfortunately I do not have the benefit of the discussions at the RP&A meeting on Tuesday. I choose motion 2 because in talking to our department resident expert on surveys, he felt unequivocally that it was the preferred. Two other experts advised was offered previously in which they were split. I did not pick up a strong objection to motion 2. I added the provision for comment. In suggesting it via the email discussion, I had support from all those that replied.

Please don't hesitate to share your comments via the email prior to our AC meeting tomorrow. You can also choose to propose an amendment to the motion at the meeting.

Thanks for all your time, effort, and patience during this process. We all owe Bob Schwartz a HUGE thanks for his considerable efforts in getting us to this point.

Regards,

Don

Motion
The Rules, Procedure and Agenda committee recommends that Academic Council conduct a preference poll of the General Faculty with respect to the proposed academic administrative realignment. The below survey will be transmitted to the faculty on Friday, March 10th with a requested reply by Tuesday, March 14th. The results shall be tabulated and reported to the Chancellor and to the General Faculty.

Administrative Structure Preference Poll
Please rank (i.e., 1 – first choice, 2 – second choice, etc.) the options below regarding academic administrative structure in order of preference.

    ___ A four school/college model

    ___ A two school model

    ___ An administrative model without schools

    ___ No preference

Comments:

Jaquess, Lois

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Jaquess, Lois

From:	Schwartz, Robert W.
nt:	Wednesday, March 08, 2006 7:22 AM
To:	Acar, Levent; Balakrishnan, S. N.; Belarbi, Abdeldjelil (DJ); Blum, Frank D.; Bohner, Martin; Book, Neil L.; Carney III, John F.; Cheng, Maggie; Cotterill, Anne; Crow, Mariesa L.; Dekock, Arlan R.; DuBroff, Richard E.; Dunn-Norman, Shari; Eggert, Connie; Fitch, Mark W.; Fogg, Shannon; Hale, Barbara N.; Hall, Richard H.; Haynes, W(illiam) Lance; Herdade, Joseph A.; Hines, Jonathan C.; Huang, Yue-wern; Hubing, Todd H.; Isaac, Kakkattukuzhy M.; Kosbar, Kurt Louis; Lea, Bih-Ru; Lutz, Paula M.; Malott, Steve; Martin, James H.; Mitchell, Robert; Morton, Lea-Ann; Mullin, Mark E.; Mundis, Nathan Lee (UMR-Student); Myers, Donald Dean; Nystrom, Halvard E.; Park, Eun Soo; Petersen, Emily; Robinson, Debra A. G.; Samaranayake, V. A.; Schulz, Michael; Schwartz, Robert W.; Shah, Yatish; Shil, Prasenjit (UMR-Student); Smith, Jeffrey D.; Stewart, Andy; Stoll, Laura K.; Stone, Robert B.; Tsai, Hai-Lung; Tucker, Randy M.; Wilkerson, Ralph W.; Woelk, Klaus; Worsey, Paul Nicholas
Cc:	Dubois, Robert D.; Myers, Donald Dean; Fitch, Stephanie L.; Blum, Frank D.; Jaquess, Lois; Nisbett, J. Keith; Kosbar, Kurt Louis; Haynes, W(illiam) Lance; Cox, Leroy Rogers; McMillin, Bruce M.; Mundis, Nathan Lee (UMR-Student); Sedighsarvestani, Sahra
Subject:	Information for Tomorrow's Meeting
Attachments:	Academic Council Report 03 07 06.doc; 2007-2008 ACADEMIC CALENDAR-revised.doc; PUBLIC OCCASIONS DATES FOR 2006.doc; Chancellor CDC Conversation.doc; Curator's Professors Input.doc; AC Resolution on Capital Building Projects.doc

Dear Colleagues,

Below is a revised agenda for tomorrow's meeting. One item from the original agenda, an Academic Council resolution regarding the benefits program, has been deleted.

ed Agenda:
1. Vote on approval of public occasions 2006-2007 and academic year 2007-2008 calendars.
   Attachments:
   - PUBLIC OCCASIONS DATES FOR 2006
   - 2007-2008 ACADEMIC CALENDAR-Revised

2. Vote on resolution supporting the Chancellor's request for capital budget for Toomey Hall
   Attachment:
   - AC Resolution on Capital Building Projects

3. Review of Proposed Administrative Realignment
   Attachments:
   - Academic Council Report 03 07 06
   - Chancellor CDC Conversation
   - Curator's Professors Input

   Business items:
   - Vote on acceptance of report
   - Vote on a survey of the faculty regarding academic administrative structure

I hope your schedule will permit you to review the report and supplemental information prior to tomorrow's meeting. Until the report is approved by the Academic Council I would ask that you not share it with your colleagues. I hope to h___ some additional information from the deans and associate deans to share with you later today.

Please feel free to contact me if you have any questions.

3/8/2006

Respectfully,

Dr. Robert W. Schwartz
P⬤ssor and Associate Chair for Graduate Programs
President, Academic Council
University of Missouri - Rolla
Department of Materials Science and Engineering
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Rolla, MO 65409-0330

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3/8/2006

FALL SEMESTER 2007

International Student Orientation	August 7, Tuesday
Fall Semester opens 8:00 a.m.	August 12, Sunday
Freshman Orientation Begins	August 12, Sunday
Transfer Student Orientation	August 15, Wednesday
Open Registration Ends	August 16, Thursday
Classwork begins 8:00 a.m.	August 20, Monday
Labor Day Holiday	September 3, Monday
Mid-Semester	October 13, Saturday
Thanksgiving vacation begins 8:00 a.m.	November 18, Sunday
Thanksgiving vacation ends 8:00 a.m.	November 26, Monday
Last Class Day	December 7, Friday
Reading Day	December 8, Saturday
Final Examinations begin 8:00 a.m.	December 10, Monday
Final Examinations end 6:00 p.m.	December 14, Friday
Fall Semester closes 6:00 p.m.	December 14, Friday
December Commencement	December 15, Saturday

SPRING SEMESTER 2008

International Student Orientation	January 7, Monday
Open Registration Ends	January 10, Thursday
Spring Semester opens 8:00 a.m.	January 14, Monday
Classwork begins 8:00 a.m.	January 14, Monday
Martin Luther King Jr. Recognition Holiday	January 21, Monday
Mid-Semester	March 8, Saturday
Spring Recess begins 8:00 a.m.	March 13, Thursday
Spring Recess ends 8:00 a.m.	March 17, Monday
Spring Break begins 8:00 a.m.	March 23, Sunday
Spring Break ends 8:00 a.m.	March 31, Monday
Last Class Day	May 9, Friday
Reading Day	May 10, Saturday
Final Examinations begin 8:00 a.m.	May 12, Monday
Final Examinations end 6:00 p.m.	May 16, Friday
Spring Semester closes 6:00 p.m.	May 16, Friday
May Commencement	May 17, Saturday

*SUMMER SESSION 2008

Open Registration Ends	June 6, Friday
Summer Session opens 8:00 a.m.	June 9, Monday
Classwork begins 8:00 a.m.	June 9, Monday
Independence Day Holiday (observed)	July 4, Friday
Final Examinations begin 8:00 a.m.	July 31, Thursday
Final Examinations end 12:30 p.m.	August 1, Friday
Summer Session closes 12:30 p.m.	August 1, Friday

*   Schedule shows regular eight-week Summer Session. Other special courses may be scheduled.

CLASS SESSIONS (EXCLUDING FINAL EXAMINATIONS)

	M	TU	W	TH	F	S
Fall Semester	14	15	15	15	15	15
Spring Semester	15	16	16	15	15	15
Summer Semester	8	8	8	7	6	6

The faculty is reminded of the religious and other holidays that a substantial number of students may wish to observe.

PUBLIC OCCASIONS DATES FOR 2006-2007

Fall Semester:

Fall Career Fair   Thursday, September 28, 2006

Fall Open House I   Saturday, September 30, 2006

Family Day   Saturday, September 30, 2006

Rolla Night at the Engineer's   Thursday, October 5, 2006
    Club of St. Louis

Homecoming   Friday & Saturday, Oct. 20-21, 2006

Forest Hills Country Club   Thursday, October 26, 2006
    Recruiting Event

Fall Open House II   Saturday, November 11, 2006

Commencement*   Saturday, December 16, 2006

Spring Semester

Spring Career Fair   Wednesday, February 14, 2007

Spring Open House I   Monday, February 19, 2007
    (President's Day)

Spring Open House II   Friday, April 6, 2007
    (Good Friday)

Commencement*   Saturday, May 12, 2007

*Previously established as part of the 2006-2007 calendar

NOTE: Student Council Free Day, originally planned for Friday, October 6, 2006, was
    removed from the Public Occasions dates because of the expansion of Thanksgiving
    vacation to a full week.

Chair Questions For the Chancellor

EMAIL to Greg Gelles and copy Bob Schwartz from Dr. Carney

Greg,

Thank you for organizing Tuesday's meeting with the academic chairs. Most of the meeting was taken up with my responding to questions raised by the Chairs. At the meeting I agreed to summarize my responses to these questions in writing as an aid to individual department discussions on reorganization. My responses are given below.

1. This question refers to the comparison of the reorganization plan and the present system in terms of operating efficiency.

(a) Would you propose the reorganization plan even if we did not face budgetary problems?
> *Yes.*

(b) How will the new structure better assist us in achieving objectives in the strategic plan?
> *It will indirectly aid all five of our Strategic Initiatives and directly benefit Initiatives 3, 4, and 5.*

(c) Most of our comparator schools presently use the Dean model. What are the advantages and disadvantages to UMR vis-a-vis these other schools if we implement the zero dean organization?
> *Eliminating our schools/college structure will flatten our administration, enhance direct interaction between the departments/programs and the Provost/Chancellor, remove artificial dividing lines between the schools/college, and encourage interdisciplinary interactions. Furthermore, this reduction in administration will generate permanent savings over time in the order of $1 million.*
>
> *The transition to a zero school model will have to be done carefully, over time, such that our academic and administrative responsibilities are not adversely affected.*

(d) Many of the schools using the zero dean model are smaller in size than UMR. If the zero dean model is implemented at UMR what difference might arise as a result of UMR's larger size?
> *Among the schools that employ the zero school model are Cal Tech, WPI, Colorado School of Mines, and Polytechnic University. Although these four schools are smaller than UMR, the key to success is the focus of the institution. A comprehensive university with a significant number of truly independent schools and colleges would not be a viable candidate for the proposed model. We should take advantage of our unique character to flatten our administrative structure, remove academic silos, encourage*

Chair Questions For the Chancellor

interdisciplinary activities, become more efficient and effective, and reduce administrative costs.

2. This question refers to the duties presently done by the deans.

At WPI, how were functions currently done by the dean's offices at UMR handled at the department level and at the provost level? What differences are you envisioning at UMR?
Some functions would be handled at the department level and some functions would be handled at the Provost level (handled below).

Some particular questions from your experience at WPI are

(a) At WPI how did you develop and nurture your relationships with industries and organizations, a function largely done by the deans at UMR?
Relationships with industries and organizations are critically important. Depending on the situation, the appropriate Department Chairs and the appropriate representatives of the Provost's office need to be involved – sometimes the Chancellor will play a role. We currently have two Vice Provosts at UMR: Wayne Huebner, Vice Provost for Sponsored Programs and Harvest Collier, Vice Provost for Undergraduate and Graduate Studies. If we go to the zero school model, one additional Vice Provost position will probably be created. WPI was highly effective with nurturing relations with industry and organizations both public and private. The key is to have the right people involved.

(b) Who represented WPI at professional communities such as at meetings and councils of deans?
I had two Associate Provosts at WPI. One was a Professor of Mechanical Engineering and the other was a Professor of English. The Associate Provost who was an engineer attended and actively participated in all of the national and regional engineering Deans' meetings. The title of Associate Provost did not negatively affect his stature or effectiveness at these meetings.

(c) Who provided consistency and continuity over multi-department activities such as ABET accreditation?
WPI's ABET accreditation activities were effectively handled through close interaction with the individual engineering departments and both Associate Provosts. WPI was one of the first two engineering programs in the country to be evaluated using the new ABET criteria. The English Professor/Associate Provost actually played a very valuable role in

Chair Questions For the Chancellor

developing the ABET packages. Furthermore, this team approach was very effective in preparing for WPI's 10-year university accreditation, akin to UMR's upcoming Higher Learning Commission/North Central Association review.

(d) **What additional resources did the departments and the provost office at WPI receive as compared to UMR?**

The Provost office provided additional funding for extra sections of undergraduate courses that occasionally had to be offered. Let's not forget that a unique feature of UMR is that the departments control a significant amount of carry forward funds. This situation did not exist at WPI.

3. This question refers to the fiscal impact of eliminating the deans. Is it possible to

(a) Provide a more detailed account of monies to be saved?

If we go to the zero school model, the savings over time will amount to approximately $1 million. The savings will come from a reduction in the number of administrators and a reduction over time of staff due to attrition as we become more efficient in our operations. I reiterate, however, that no layoffs or individual reductions in salary are planned.

(b) Provide a timetable for implementation of these cost savings.

Zero to two years.

(c) Do you envision associate provost or vice chancellor positions being eliminated to help with the budget problems?

No

(d) What restructuring (and cost saving) is being considered in the non-academic divisions of UMR? How do the costs (and structure) of the non-academic divisions of UMR compare to your experience at WPI? These questions are important because many faculty are concerned that the cost savings of eliminating deans will be balanced by increases for hiring assistant provosts and finding additional people in department staffs to do the work the dean and their staff presently perform.

Permanent rate cuts will be made in Administrative Services, Enrollment Management, Extended Learning, Information Technology, Sponsored Programs, Student Affairs, and University Advancement. My projected savings from these non-academic divisions of UMR is in excess of $1.3 million. I mentioned that one additional Vice Provost would probably be required if we go to the zero school model. We have approximately 25 staff members working in the various Deans' offices. The plan would be for these talented individuals to be efficiently redeployed at the departmental and provost levels.

Chair Questions For the Chancellor

4. This question refers to the two school model. If the two school model is to be used, what programs will constitute those two schools? We would most likely have a new SoE (adding the engineering units of SoMEER) and an A&S/SMIS unit. What advantages and disadvantages do you see with the two dean models versus the no dean model?
In your opinion will the two dean model create a significantly unbalanced distribution of students, faculty and resources?

> *The division between SoMEER and the School of Engineering is an artificial one. The School of Management and Information Systems does not fit well in either an enlarged School of Engineering or the College of Arts and Sciences. The two school model would create an unbalanced distribution of students, faculty, and resources.*
>
> *The second order disadvantage of choosing the zero school model over the two school model is that we would have to rework some of the UM Collected Rules and Regulations.*

5. How will the tenure & promotion process change and what will be the impact of the changes on presently untenured faculty?

> *Bob Schwartz and I hosted a meeting on February 21 of faculty interested in discussing the possible effects of a zero school system on the tenure and promotion process. It was a productive meeting. We currently have seven entities involved in the tenure/promotion process at UMR. If we eliminated the schools/college and deans there would be five such inputs. One possibility discussed was to add a committee to the process which would be made up of faculty representatives from closely associated departments. At any rate, the Academic Council and the faculty would have to be heavily involved in reviewing and modifying our tenure/promotion processes.*

<div align="center">0-2-4 Colleges/Schools Discussion</div>

Pro Eliminating Deans

More direct access to the decision-makers

Yield cost savings and increase both power and responsibilities of chairs and faculty members

Everything that is being done at the Dean's office could be done at the department or at another office in the university with increased efficiency. A heavier responsibility/accountability will have to be carried on by the department chairs and the provost, and resources need to be distributed appropriately for each unit.

This process will provide the university an opportunity to review and revise all of the processes with the view of increasing efficiency and decrease duplication.

When economic conditions improve and resources become available, the campus can re-examine the performance of this new organizational structure and decide if there is a need to re-examine a new one (one with some Deans in it).

The yearly cuts in departmental budgets over the last five years, and the relatively low increases in faculty salaries has not been good for faculty moral. If we can eliminate the existing deficiency in our budget, some of these items could be addressed.

The faculty need to focus on the big picture which happens to be "how the budget is being distributed between the academic function at UMR and the non-academic sector." The issue of how many academic schools is less important compared to our campus funding priorities

Restructuring with a positive goal in mind is most reasonable; for a university the size of UMR, 4 schools seem to be too many. Hence, reduction seems appropriate.

The 0 vs 2 argument is not as important, in my opinion, as the 0 vs n argument (given previous remark, n < 4). It has been my experience that the quality of the individual serving as Dean is at least as important as the position. I personally feel that SOE is going to suffer a serious setback, regardless of structuring, with the departure of Bob Mitchell.

If the role of Dean is valuable, then in order to reduce, what other academic "leadership" positions are abolished?

I concur that we seem to be top-heavy on the administrative side of the house.

Pro 2/4 Colleges

Need Deans and the schools to be considered a University

Need Dean (of Engineering) to compete with UMC for resources/programs

2 colleges are better than none

We are not going to be better off with sub-provosts

If all the deans were eliminated, the provost will have about 20 department chairs plus 6-7 other administrators reporting to him directly. This would not be an effective administrative structure.

All the other U. of Missouri campuses have deans and the vast majority of other sizable universities have deans. There are many functions that should be represented by deans.

Deans are very valuable in a lot of ways. Many people may not appreciate them until these positions no longer exist. Also, unlike corporations, major restructuring in academic institutions are often very difficult and carry greater risks. It will be a painful process and likely to generate some damages during the process. If we don't like the new structure after making the changes, it would be difficult to change it back because reversing it will generate further pains and damages.

Instead of eliminating all the deans, consolidating the four schools/colleges into two, one Engineering and the other Science and Arts, would be a good idea because of the synergy between SOE and SOMEER and because the School of Management and Information Systems is so small and its departments can be merged into one. Unlike eliminating all the deans, I would view the smaller-scale restructuring to be more doable and positive.

Pro keeping at least some deans: eliminating all deans would not only strengthen the departments (which would be good), but potentially could also give too much strength to the Provost.

Pro 2 schools: The immediate cost savings of a 2-school option could very well be similar as in the 0-school option.

Pro 4 Colleges/Schools

If the two school model is to be used, what programs will constitute those two schools? We would most likely have a new SoE (adding the engineering bits of SoMEER) and an A&S/SMIS unit. This will create a significantly unbalanced (3:1) distribution of students, faculty and resources.

SoMEER carries the tradition of UMR-MSM with the strength of its alumni. It does not want to be integrated into SOE because of its history, distinguishing characteristics and

the strength and vision for her future. The Pro 4 Schools/Colleges see the only other acceptable alternative to the current state is the total elimination of all schools/colleges.

One major disagreement here: UMR is the former MSM, not the former SoMEER. I do not believe that SoMEER as it is currently structured can lay claim to the MSM roots in its entirety. If you want to separate Mining, that is one thing. But a blanket "roots claim" to SoMEER is not logical. And yes, I talk with alumni, and yes, many are from MSM and are justifiably proud of that heritage -- but it is not SoMEER.

What will we become if we eliminate deans?

I wanted to make sure you were aware that in addition to the Carnegie Classifications discussed in November and early December, there are other categories being referred to as the new "basic" classifications. As I understand it, these new "basic" classifications for our thirteen (13) comparative / peer institutions and the four (4) UM system campuses are as follows:

Doctorate-granting Universities
    Research Universities (very high research activity)
        California Institute of Technology
        Carnegie Mellon University
        Georgia Institute of Technology
        Massachusetts Institute of Technology
        University of Missouri-Columbia
    Research Universities (high research activity)
        Rensselaer Polytechnic Institute
        Stevens Institute of Technology
        University of Missouri- Rolla
    Doctoral/Research Universities
        Drexel University
        Illinois Institute of Technology
        Michigan Technological University
        New Jersey Institute of Technology
        University of Missouri-Kansas City
        University of Missouri-St. Louis

Master's Colleges and Universities
        Worcester Polytechnic Institute

Special Focus - Schools of Engineering
        Colorado School of Mines
        South Dakota School of Mines

Academic Council Resolution 0506-04

WHEREAS the State of Missouri is poised to aid it citizens through capital building projects on the State's university campuses, and

WHEREAS the University of Missouri–Rolla is the State's technological research university, and thus fulfills a critical economic development mission for the state, and

WHEREAS the Toomey Hall Mechanical Engineering complex is essential to the University of Missouri-Rolla fulfilling its mission, and

WHEREAS the University of Missouri–Rolla has achieved great success in obtaining approximately 50% of the project cost for the Toomey Hall complex from private donations and

WHEREAS the remaining 50% of project costs represent a tremendous, leveraged opportunity for the State of Missouri,

THEREFORE, BE IT RESOLVED that the University of Missouri–Rolla Academic Council strongly supports the efforts of Chancellor John F. Carney III to secure full matching funding from the State of Missouri for the Toomey Hall project.

Volume XXXVI, Number 6
Minutes of the Academic Council Meeting
Feb. 23, 2006

I. Call to Order, Roll, and Approval of Minutes

The meeting was called to order at 13.30 by President Schwartz and roll was taken.
Absentees noted: Hines, Herade, Mullin, Park, Dunn-Norman, Belarbi, Stone, Tsai.
Substitutions noted: Beetner for Hubing, Gragg for Fogg, Roe for Samaranayke, Kallini for Lea, Schumann for Woelk.

The meeting minutes of January 19, 2005 were **approved** as submitted.

II. Reports and Responses

A. President (R. Schwartz) (Re: Written report w/Agenda)

Schwartz reported on the timelines for the administrative review. The slides on tenure review from the Carney/Schwartz meeting are on the AC web site. Faculty should be engaged in providing information relative to the potential School/College reorganization.

B. Chancellor (J. Carney III) (Re: Written report w/Agenda)

Chancellor Carney discussed the MOHELA distribution and its implications in terms of UMR projects. Carney is hopeful that we will get more funds than are currently in the plan. He has met with 12 different groups relative to the Strategic Plan, Capital Campaign, and reorganization. A reception is planned for Thursday and a breakfast for Friday of the Board of Curators' meeting. We will highlight UMR at both. At the March meeting of the UM general officers, the fees for next year will be set. A 6% increase in the educational fee is anticipated.

C. Provost (H. Collier for Y. T. Shah) (Re: Written report w/Agenda)

An increase in the number of students over last year's Spring count has been realized. The student module of PeopleSoft has been completed. The student degree audit system has been revamped. Proposals awarded are up this year to date, but the number of proposals submitted has decreased. The academic alert system seems to be working well. The self study for the accreditation process is going to be starting soon. The last time we were accredited was 1998-99. 59 course sections are being offered in extended learning. UMR is among the 25 Most Wired campuses.

II. Reports of Standing and Special Committees

A. Budgetary Affairs (D. Myers)

Budgetary Affairs continues to work on the implications of the Strategic Plan in the budget. [Subsequently, the **table** on the Bioinformatics was lifted, see below.]

B. Curricula (M. Schultz for K. Nisbett) (Re: written reports w/Agenda of 2/7/06)

(i) The Bioinformatics Degree program was removed from the **table**. 1 Degree Change (DC) form for Bioinformatics was **approved** (from prior report).
(ii) 6 Course Change (CC) forms were **approved** as submitted.
(iii) 12 Experimental Course (EC) forms were **noted** by Council.

C. Personnel (R. DuBois) (Re: Written reports w/Agenda)

Personnel **reported** that it has conducted salary surveys and found the following:(more detailed information is included in the pre-meeting report).

a) Overall, with respect to the comparison groups, improvements were noted in UMR faculty salaries between the 2003 and 2005 studies. These improvements were more notable at the Assistant and Associate Professor levels, which are now roughly 6% higher than the average of the comparable institutions whereas the Professor level is currently 6% lower than the average comparison salary.

b) As a function of discipline, the Committee noted:

    i) Engineering and like departments: Improvement was noted at all levels. Assistant and Associate Professors are approximately 11% above average; Professors are 6% above average.

    ii) A&S: Improvement was noted at Assistant and Associate Professor levels (approximately 3% above average); Professors are currently 11% below average. No dissimilarities were noted between the "arts" and the "sciences".

    iii) Business/Marketing:

    No clear conclusions could be drawn due to limited data (number of faculty) and new hires.

The referral on student Mid-Semester recommendations was discussed and, on the recommendation of the Committee, AC **voted to accept** the report including:

That AC a) endorse the importance of student input, particularly input received early in the semester, toward improving communication and teaching effectiveness at all levels of instruction, b) encourage faculty to make students aware of means for providing such input and to voluntarily solicit input at all times during the semester but c) not support implementation of a University-wide application of STUCO Resolution 0506R4.2.

D. Tenure (B. McMillin) (Re: Written reports w/Agenda)

The referral on the voting rights of faculty on tenure and promotion was discussed and AC **voted to accept** the Committee's recommendation that:

No one in the non-primary department (the non-tenure department) has a vote in the applicant's tenure decision.

The referral on economic development as a component was discussed and AC **voted to accept** the Committee's report including that:

The scholarly component of the economic-development activity will be judged under research/scholarship, the service component of the economic-development activity will be judged under service, and the teaching component of the economic-development activity will be judged under teaching. In other words, the rules for P/T will remain as stated in the University of Missouri Systemwide Perspective on Promotion and Tenure, since they are encompassing enough to include all the scholarship/service/teaching that may go into economic-development activity.

E. Academic Freedom and Standards (W. L. Haynes) (Re: Written report w/Agenda)

AC **voted not to adopt** the new rules for Absences and Students Dropped by Instructor. [See New Business below.]

F. Student Affairs (N. Mundis for S. Fitch) (Re: Written reports w/Agenda)
The Constitution of the Residential College and Constitution of Rolla College Democrats were **approved** as submitted.

III. Old Business
No reports. There are three active referrals.

IV. New Business and Announcements
A. Staff Council (L.A. Morton) (Re: Written reports w/Agenda)
No oral report

B. Student Council (N. Mundis)
Student Council passed a resolution accepting additional fees for physics, geology, chemistry, etc. They did not vote on Building Use fees. They passed a resolution supporting MOHELA fund usage for capital expenditures, but petitioned the Governor to increase the amount for the Rolla campus based on a need for more equitable distribution. An outstanding resolution still exists to not have exams during the Career Fair and the day after it. [*Schwartz noted that this is being handled by the Public Occasions Committee.*]

C. Council of Graduate Students (P. Shil)
No report.

D. Referrals
Two new referrals were reported to AC.
  1. Student Affairs - Gaming
  2. Tenure - Campus P&T Committee make-up

E. Absences and Students Dropped by Instructor
It was **voted** that AC re-review the Absences and Students Dropped by Instructor issues as quickly as possible.

The meeting was **adjourned** at about 15.06.

Respectfully submitted,

Frank D. Blum, Secretary, Academic Council

* Minutes of the Academic Council are considered official notification and documentation of actions approved. [*Note: Approved by AC: x.xx.xx.*]

Intercampus Faculty Council
Meeting date: January 24; Upcoming meeting date: February 24.
- Non-Tenure Track Faculty Policy
    - Discussion on this topic by the ad hoc IFC-based committee is continuing and a teleconference on this topic is scheduled for February 16. The final draft on the document is close to being completed. The suggested time frame for distribution of the document to the campuses is March or April.
- Administrative Review
    - At the next IFC meeting, representatives from the four campuses are to report on the practices currently used on their respective campuses at the meeting scheduled for February 24. The goal of this review process is to identify best practices for carrying out the administrative review procedure.

Board of Curators Meeting
Among other issues, the following topics were discussed at the Board of Curators meeting held in Columbia on January 26 and 27.
- Information was presented by UM system representatives on the effects of 5, 6 and 7% tuition hikes on the system budget. A 6% tuition hike coupled with at $10 per credit hour facilities fee would result in an operating deficit of approximately $14M. A concern was expressed by one Curator that a 6% tuition hike coupled with the $10 per credit hour facilities fee amounts to, effectively, a 10.6% tuition hike.
- Vice President Hutchinson gave a presentation on the UM system employee benefits package. Concern was expressed by some of the Curators regarding the continued increase in benefits costs, and in particular, the impact of benefit cost increases on student tuition and fees.

Referrals (from November, 2005)
The committees listed below will report on the following referrals at the February Academic Council meeting. Referral reports may be reviewed by opening the links included in the email Agenda announcement.
- Academic Freedom and Standards – Review of the Instructor Drop Policy
- Personnel Committee – Review of Mid-semester Assessment
- Ad Hoc Committee – Higher Learning Commission Accreditation
    - Committee members will be announced at the February Academic Council meeting.
- Tenure Committee – Voting on Tenure and Promotion by Faculty with Joint Appointments and the Role of Economic Development in the three tenure and promotion categories (teaching, research and service)

New Referrals (February, 2006)
- A referral regarding the gaming issue (i.e., the use of a university server to support multiplayer games) has been prepared. The Student Affairs committee

will be asked review this issue as it relates to the possible impact of excessive use of this service on academic performance.

- A referral regarding the participation of department chairs on the Campus Promotion and Tenure committee has been forwarded to the Tenure committee.

Strategic Plan and Administrative Realignment Review

- RP&A, together with the Budgetary Affairs committee, is providing oversight in this area and is coordinating the collection of information and the preparation of a report to the Chancellor on these topics.
- Various Academic Council standing committees have been tasked to review the five strategic initiatives outlined in the Strategic Plan and to provide input to the Oversight committee on both of these issues. A document detailing the approach that is being utilized is available from Schwartz upon request.
- A preliminary report related to the proposed administrative realignment will be forwarded to the faculty for their review and to solicit their input. This report will be forwarded to the faculty during the week of February 27th.
- Meetings with the Deans and the Chancellor regarding the functions of the Dean's offices have been held.
- Realignment options were discussed with the Chancellor at the meeting on February 14.
- Input from the Associate Deans regarding their duties has been solicited. Communications with the CDC (Committee of Department Chairs) is also ongoing. Meetings with other members of the administration have also been held.
- An open meeting regarding the possible elimination of the Deans' position on the promotion and tenure process will be held on February 21 at 3:30 in the Havener Center.
- The final report to the Chancellor will be forwarded on March 6.

John F. Carney III
Academic Council
February 23, 2006

◆   Missouri Higher Education Loan Authority (MOHELA)

◆   Report on meetings with faculty, staff, and students

◆   Report on Board of Curators meeting, March 23-24

◆   Report on General Officers' meeting

UMR

ACADEMIC COUNCIL REPORT

Y. T. SHAH
PROVOST AND
EXECUTIVE VICE CHANCELLOR

February 23, 2006

ENROLLMENT MANAGEMENT

UMR enrollment exceeds 5,200 students

Official fourth-week enrollment figures at the University of Missouri-Rolla list a total enrollment of 5,224 students, an increase of 218 students over last spring's fourth-week enrollment, says Laura Stoll, UMR registrar.

The spring semester at UMR began Monday, Jan. 9.

In 2005, 5,006 students were enrolled at the end of the fourth week of the spring semester. Record increases in student retention and a larger new transfer student class are credited for much of the enrollment growth.

"It is exciting to have so many students returning to the university," says Jay Goff, dean of enrollment management at UMR. "The faculty and staff have done an outstanding job at helping more and more students succeed at UMR."

This is the first time UMR has registered more than 5,200 students in the spring semester in more than a decade.

UNIVERSITY OF MISSOURI-ROLLA
ENROLLMENT GRID

FEBRUARY 7, 2006—SPRING

END OF FOURTH WEEK

	FR M	FR F	SO M	SO F	JR M	JR F	SR M	SR F	TOTAL UG	MAST M	MAST F	DOCT M	DOCT F	TOTAL GRAD	TOTAL MALE	TOTAL FEMALE	TOTAL	YEAR AGO
ROLLA CAMPUS																		
A&S UND	6	3	7	5	12	2	5	1	41	0	0	0	0	0	30	11	41	43
BIO SC	8	11	13	15	8	19	13	31	118	11	3	0	0	14	53	79	132	131
CHEM	8	8	7	8	2	2	9	12	56	5	4	25	21	55	56	55	111	98
CP SC	35	1	47	2	46	2	80	9	222	48	4	10	5	67	266	23	289	322
ENGL	1	1	2	2	3	4	6	13	32	0	0	0	0	0	12	20	32	46
HIST	5	6	3	5	6	6	18	16	65	0	0	0	0	0	32	33	65	59
MATH	0	2	5	6	8	4	8	10	43	6	5	14	4	29	41	31	72	89
PHIL	1	0	0	0	1	1	0	0	3	0	0	0	0	0	2	1	3	2
PHYS	3	1	11	3	5	2	21	3	49	6	2	15	8	31	61	19	80	72
PSYCH	7	6	5	13	5	8	10	17	71	0	0	0	0	0	27	44	71	69
TECH COM	2	1	0	0	0	0	0	1	4	0	5	0	0	5	2	7	9	1
A&S	76	40	100	59	96	50	170	113	700	76	23	64	38	201	582	323	905	932
AERO E	0	0	20	4	34	7	65	11	141	16	1	2	1	20	137	24	161	130
ARCH E	0	0	10	3	28	14	34	17	106	0	0	0	0	0	72	34	106	74
CHEM E	0	0	16	9	20	9	40	31	125	6	7	14	6	33	96	62	158	144
CIV E	0	0	15	4	54	11	128	21	233	19	9	18	13	59	234	58	292	260
COMP E	1	0	10	1	38	3	67	1	121	24	4	5	4	37	145	13	158	167
ELEC E	0	0	36	2	78	10	150	17	293	70	12	44	6	132	378	47	425	380
E MGT	1	0	6	3	36	15	51	17	129	38	4	10	7	59	142	46	188	176
E MECH	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	3
ENGR UND	0	0	2	0	8	0	5	0	15	0	0	0	0	0	15	0	15	18
ENVR E	0	0	3	2	9	2	3	5	24	8	4	0	0	12	23	13	36	25
IND E	1	0	1	1	1	1	1	0	6	0	0	0	0	0	4	2	6	
MANF E	0	0	0	0	0	0	0	0	0	16	2	0	0	18	16	2	18	24
MECH E	3	0	57	1	124	10	221	28	444	57	7	32	4	100	494	50	544	507
SYS E	0	0	0	0	0	0	0	0	0	8	5	0	0	13	8	5	13	7
FR ENGR	393	67	247	65	36	9	4	0	821	0	0	0	0	0	680	141	821	838
ENGR	399	67	423	95	466	91	769	148	2458	262	55	126	41	484	2445	497	2942	2753
BUS&MS	11	12	9	9	20	13	23	17	114	0	0	0	0	0	63	51	114	116
ECON	1	1	0	2	4	0	4	2	14	0	0	0	0	0	9	5	14	8
IS&T	7	2	13	2	23	5	19	4	75	23	8	0	0	31	85	21	106	102
MGT SYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
M&IS UND	2	0	4	0	6	2	2	0	16	0	0	0	0	0	14	2	16	14
M&IS	21	15	26	13	53	20	48	23	219	23	8	0	0	31	171	79	250	241
CER E	1	0	6	3	9	5	17	14	58	2	2	16	2	22	51	29	80	70
GEOL E	1	0	5	0	12	2	12	8	40	2	2	6	1	11	38	13	51	45
GEO & GP	2	1	9	3	8	5	8	8	44	9	5	10	4	28	46	26	72	78
MAT E	0	0	0	0	0	0	0	0	0	7	5	2	3	17	9	8	17	
MET E	0	0	9	1	17	3	21	6	57	9	0	8	1	18	64	11	75	69
M&M UND	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	1
MIN E	0	0	12	1	18	5	34	2	72	1	0	10	3	14	75	11	86	84
NUCL E	0	0	15	3	21	2	32	13	86	5	1	1	0	7	74	19	93	83
PETR E	0	0	7	0	6	1	7	1	22	5	1	2	0	8	27	3	30	22
FR ENGR	52	10	28	9	3	0	1	0	103	0	0	0	0	0	84	19	103	82
M&MR	56	11	91	20	94	28	133	52	483	40	16	55	14	125	469	139	608	534
NON DG	16	8	0	1	1	1	4	3	34	3	6	0	0	9	24	19	43	56
CAMPUS TOTAL	568	141	640	188	710	188	1124	339	3898	404	108	245	93	850	3691	1057	4748	4516
EXTENDED LEARNING																		
AERO E	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	2
CIV E	0	0	0	0	0	0	0	0	0	33	9	1	0	43	34	9	43	34
COMP E	0	0	0	0	0	0	0	0	0	5	1	0	0	6	5	1	6	5
CP SC	0	0	0	0	0	0	0	0	0	1	4	0	0	5	1	4	5	6
ELEC E	0	0	0	0	0	0	0	0	0	6	0	0	0	6	6	0	6	8
E MGT	0	0	0	0	0	0	0	0	0	51	24	6	0	81	57	24	81	92
E MECH	0	0	0	0	0	0	0	0	0	3	0	0	0	3	3	0	3	4
ENVR E	0	0	0	0	0	0	0	0	0	3	1	0	0	4	3	1	4	3
GEOL E	0	0	0	0	0	0	0	0	0	4	1	0	0	5	4	1	5	8
GEO & GP	0	0	0	0	0	0	0	0	0	10	4	1	0	15	11	4	15	13
IS&T	0	0	0	0	0	0	0	0	0	9	1	0	0	10	9	1	10	5
MANF E	0	0	0	0	0	0	0	0	0	9	1	0	0	10	9	1	10	10
MECH E	0	0	0	0	0	0	0	0	0	10	1	2	0	13	12	1	13	10
MIN E	0	0	0	0	0	0	0	0	0	21	2	0	0	23	21	2	23	18
PHYS	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	0
SYS E	0	0	0	0	0	0	0	0	0	150	37	0	0	187	150	37	187	147
NON DG	10	23	0	0	0	0	0	0	33	23	7	0	0	30	33	30	63	125
EXT LEARN TOTAL	10	23	0	0	0	0	0	0	33	338	94	11	0	443	359	117	476	490
UMR TOTAL	578	164	640	188	710	188	1124	339	3931	742	202	256	93	1293	4050	1174	5224	5006

NOTE:
- 101 CO-OP students are included in the campus total
- 32 CDIS students are included in the extended learning total
- 104 EEC students are included in extended learning total
- 48 FLW-EOAC students included in the extended learning total
- 97 New transfer students are included in the campus total

- 78 included one year ago
- 44 included one year ago
- 111 included one year ago
- 67 included one year ago
- 90 included one year ago

UMR

UNIVERSITY OF MISSOURI-ROLLA

UMR - Enrollment Management Services
WEEKLY ENROLLMENT REPORT

			Fall 2001 (PS Conv) 2/8/2001	Fall 2002 (PS) 2/8/2002	Fall 2003 (PS) 2/8/2003	Fall 2004 (PS) 2/8/2004	Fall 2005 (PS) 2/8/2005	Fall 2006 (PS) 2/8/2006
FRESHMEN	Prospects	Beg. Fr. Prospects	42816	65141	42322	24074	15756	**
		HS Jr. Prospects	10704	10296	7352	4310	4350	3908
	Inquiries	Beg. Fr. Inquiries	9071	12512	10601	9279	9988	10292
		HS Jr. Inquiries	677	5083	3745	3355	3740	3829
	Applications		1509	1683	1613	1668	1749	1934
		Pending	245	159	108	106	125	164
		Withdrawn Apps	0	1	10	0	0	2
	Admitted		1231	1481	1458	1525	1584	1706
		Cancelled Admits	7	12	8	15	9	5
		Denied	33	42	37	37	40	62
	Enrolled		0	0	0	0	0	0
TRANSFERS	Inquiries		424	445	456	676	537	815
	Applications		154	199	188	173	171	195
		Pending	80	86	68	63	63	90
		Withdrawn Apps	0	0	0	0	0	1
	Admitted		73	110	120	104	106	102
		Cancelled Admits	0	0	0	1	0	0
		Denied	1	3	0	6	2	2
	Enrolled		0	0	0	0	0	0
GRADUATES	Inquiries		3405	2597	1833	876	887	1322
	Applications		1180	2332	1819	846	781	1114
		Pending	792	1445	1055	495	459	666
		Withdrawn Apps	0	3	3	1	1	3
	Admitted		320	666	546	240	214	283
		Cancelled Admits	0	0	0	0	0	0
		Denied	68	218	215	110	107	162
	Enrolled		0	0	0	0	0	0
ORIENTATION	Freshmen	Total Reservations	0	175	275	395	439	470
	Transfer	Total Reservations	0	0	0	26	14	23
HOUSING AGREEMENTS		Upperclassmen	0	0	0	0	0	0
		Beginning Freshmen	0	0	0	397	485	475
		New Transfers	0	0	0	0	0	0
		TOTAL	0	0	0	0	0	0
4TH WEEK CENSUS		Beginning Freshmen	715	815	897	877	914	
		New Transfers	231	261	281	288	312	
		Graduates	395	423	348	402	355	
		TOTAL	1,341	1,499	1,526	1,567	1,581	

Unofficial Internal Planning Data - not intended for public release.

PS Conv - PeopleSoft conversion data
PS - data from PeopleSoft system
**Currently working on EOS data loads

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UNIVERSITY OF MISSOURI-ROLLA

PeopleSoft Student Administration upgrade complete

The upgrade to version 8.9 of PeopleSoft's Student Administration System was completed over the weekend and is now live as scheduled. To improve the system's response time, user access to the upgrade is being staged throughout the day. Users will be notified via email when access is made available.

"As various users across campus gain access to the upgraded system throughout the day, I think they'll like what they see," says UMR Registrar Laura Stoll, upgrade project director for the Rolla campus. "Several UMR staff members devoted the entire Martin Luther King holiday to test the upgrade. Their efforts are greatly appreciated."

The upgrade was a team effort by members of the UMR upgrade team (composed of staff from the offices of registrar, admissions and cashiers), the UM Administrative Information Technology Services (AITS), and CedarCrestone consultants.

NEW INTERACTIVE STUDENT DEGREE AUDIT AVAILABLE

On February 13 a new interactive degree audit report became available in Joe'SS/PeopleSoft for advisors, students, and staff. The audit includes new display features, such as the ability to open and close degree requirement sections, that will make it easier to read. The navigation to request a student's degree audit remains the same and the current text style audit report will continue to be available.

Questions should be directed to the Registrar's Office. This enhancement is part of the implementation of the DARWIN degree audit system to complement the upgrade to 8.9 in PeopleSoft Student Administration.

The New Financial Aid system goes "live" 10 Days Early

The Financial Aid system went "live" in PeopleSoft on Feb. 7, 10 days before originally scheduled. Our Feb. 18, new student orientation will be able to use the PeopleSoft Financial Aid system to advise all of the students who have completed a FAFSA.

Staff now has 24 hour - 7 day a week access to the student system.

This is a wonderful improvement, especially for the weekend orientation and Open House programs.

This is the first step of eight in bringing the entire system to "life" and it will be mid October before this process is finished.

RESEARCH

	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Totals
Biol. Sci.	0	468,232	14,500	0	0	0	0						482,732
Chem.	45,639	663,230	141,200	37,473	119,208	0	200,000						1,206,749
Comp. Sci.	77,275	265,622	0	0	0	5,000	0						347,897
Engl. & Tech. Comm.	0	0	0	0	0	0	0						0
Hist./PS	0	0	0	0	0	0	0						0
Math/Stat	0	59,250	136,030	30,519	0	0	0						227,799
Phil.	0	0	0	0	1,000	0	0						1,000
Phys.	0	668,230	0	0	0	0	289,000						957,230
Psych.	0	143,428	0	52,083	0	0	0						195,511
A&S Totals	122,914	2,261,992	295,730	120,074	120,208	5,000	489,000	0	0	0	0	0	3,418,918
Materials Sci. & Eng.	480,273	288,500	500,300	1,639,709	454,211	54,000	388,587						3,805,579
Mining & Nuclear Eng.	437,669	60,000	55,463	939,871	28,975	0	0						1,521,979
Geol. Sci. & Engr.	212,523	212,523	95,376	25,233	245,150	55,250	3,250						849,305
SoMEER	1,130,465	561,023	651,138	2,604,814	728,336	109,250	391,837	0	0	0	0	0	6,176,863
Interdisciplinary Engr	0	2,000	66,647		25,848	0	0						94,495
Chem & Biol. Engr.	4,000	335,126	36,516	17,769	7,000	0	192,158						592,568
Civil, Arch. & Env. Engr.	746,108	65,992	539,659	745,685	183,000	230,317	26,250						2,537,012
ECE	342,760	465,560	231,351	380,843	181,940	635,333	507,606						2,745,393
Engr. Mgt.	36,163	33,245	0	246,786	0	0	654						316,847
MAEM	114,501	239,049	407,303	1,102,624	258,250	47,107	152,501						2,321,335
SOE Totals	1,243,532	1,140,971	1,281,476	2,493,707	656,038	912,757	879,169	0	0	0	0	0	8,607,650
Econ. & Finance	0	0	0	0	0	0	0						0
Business Admin.	0	143,428.00	0	0	0	0	54350						197,778
Info Sci. & Tech.	384,622	0	60,000	0	0	0	0						444,622
Dean's Office	850,015	9,197	0	0	0	0	0						859,212
SMIS	1,234,637	152,625	60,000	0	0	0	54,350	0	0	0	0	0	1,501,612
Enrollment Mgt													0
International Affairs													0
Minority Affairs			14,000										14,000
Other		311,431			152238	60,000	53,647						577,316
RPDC		255,000			350494								605,494
KUMR	60,277						87,612						147,889
Grand Totals:	3,791,824	4,689,042	2,300,344	5,218,595	2,007,314	1,174,619	1,868,002	0	0	0	0	0	21,049,741

21.8% growth over FY05

Total: $2...

FY 06: Proposals Submitted through December

	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Totals
Biol. Sci.	0	295,354	478,208	1,729,264	108,288	54,201	899,777						3,565,091
Chem.	38,500	154,984	160,922	510,119	2,483,731	153,644	1,082,959						4,584,859
Comp. Sci.	70,015	383,471	0	714,056	240,876	365,293	0						1,773,711
Engl. & Tech. Comm.	0	108,488	0	0	0	0	0						108,488
Hist./PS	0	0	0	0	0	0	0						0
Math/Stat	0	483,795	144,754	196,324	0	0	445,496						1,270,369
Phil.	0	295,354	0	0	1,000	0	0						296,354
Phys.	2,000	300,354	158,135	198,860	750,817	100,000	568,310						2,078,476
Psych.	0	251,916	0	93,750	62,733	0	63,958						472,357
A&S Totals	110,515	2,273,715	942,018	3,442,373	3,647,445	673,139	3,060,499	0	0	0	0	0	14,149,705
Materials Sci. & Eng.	463,122	507,406	368,886	6,216,589	1,897,603	405,469	217,581						10,076,655
Mining & Nuclear Eng.	9,989	1,168,004	141,902	2,417,098	2,649,956	1,590,365	1,498,789						9,476,102
Geol. Sci. & Engr.	265,559	210,464	210,122	280,728	45,150	126,634	135,550						1,274,207
SoMEER	738,670	1,885,874	720,910	8,914,414	4,592,709	2,122,468	1,851,920	0	0	0	0	0	20,826,964
Interdisciplinary Eng	0	628,421	877,889		185,831	0	222,259						1,914,399
Chem & Biol. Engr.	274,119	337,969	1,310,145		0	44,468	497,022						2,463,723
Civil, Arch. & Env. Engr.	1,211,200	3,387,518	687,011	840,021	1,863,538	1,045,039	1,132,355						10,166,682
ECE	2,501,560	1,705,849	1,248,595	1,731,105	1,793,767	1,296,129	2,471,723						12,748,728
Engr. Mgt. and System Eng	0	663,312	94,598	885,636	0	1,053,457	0						2,697,003
MAEM	1,564,678	1,703,347	1,301,885	1,674,549	5,926,721	116,251	374,760						12,662,189
SOE Totals	5,551,557	8,426,415	5,520,122	5,131,311	9,769,857	3,555,344	4,698,118	0	0	0	0	0	42,652,724
Econ. & Finance		0	0	0	12,500	0	0						12,500
Business Admin.		184,557	0	0	0	44,406	15,990						244,953
Info Sci. & Tech.		98,451	21,721	0	6,000	22,203	149,627						298,003
Dean's Office	850,015	0											850,015
SMIS	850,015	283,008	21,721	0	18,500	66,609	165,617	0	0	0	0	0	1,405,471
Enrollment Mgt													0
UMR Global		13,710											13,710
Grad/UG Studies													0
Other		443,919			633,555		158,508						1,235,982
RPDC	605,494												605,494
KUMR						87,612							87,612
Grand Totals	7,856,251	13,326,641	7,204,771	17,488,099	18,662,066	6,505,172	9,934,662	0	0	0	0	0	80...

-5.6%% compared to FY05

Total:

UNDERGRADUATE AND GRADUATE STUDIES

UMR

Academic Alert System

The Office of Undergraduate & Graduate
Studies will present:

"The UMR Academic Alert System"
March 30, 2006
UM Transition Conference
University of Missouri-St. Louis Campus

UNIVERSITY OF
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UMR

2005-06 Outstanding Academic Advisor Awards

Seven Awards:

Outstanding Academic Advisor:
    College of Arts & Sciences
    School of Engineering
    School of Management & Information Systems
    School of Materials, Energy & Earth Resources

Outstanding Freshman Advisor

Outstanding Transfer Student Advisor

Outstanding Academic Advisor-UMR Staff

Nomination Deadline: February 28, 2006

Awards Ceremony: April 26, 2006

UNIVERSITY OF
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UMR

Achieving Academic Excellence
A UMR Student Academic Success Program

6 Week Program (Jan. 18 – Feb. 20)

Topics:

I. Learning & Study Strategies Inventory (LASSI)

II. UMR Academic Resources

III. Time Management

IV. Motivation & Attitude

V. Concentration & Attention to Academic Tasks

VI. Note-Taking Skills & How to Use Your Notes to Study

VII. How to Use Textbooks More Effectively

VIII. Self Testing / Reviewing & Preparing for Classes

IX. Test-Taking Strategies & Preparing for Tests

X. Stress Management/Meditation

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UMR Center for Educational Research & Teaching Innovation (CERTI)

Using Technology to Improve the Traditional Chalk-and-Talk Lecture

Dr. Doug Carroll –Interdisciplinary Engineering

Thursday, Feb 17th - 11:45am to 1:00pm, Missouri Room, Havener Center

Many instructors are interested in using technology in the classroom but can't invest the time required for training or for major content revisions. Yet, they still want "**something**" to enhance the traditional lecture. Learn how one UMR instructor has taken commonly used technologies, a computer and projector, and created a teaching model that has enhanced his students learning, is convenient and easy to use, and does not take up excessive preparation time.

Doug Carroll, professor of Interdisciplinary Engineering has tried several new technologies and software packages to help his students learn the principles of engineering mechanics. Some attempts were successful and others not so successful. The end result of his efforts is the development of a technology-enhanced teaching model that has helped his students understand complex mechanical concepts as well as improving his teaching evaluations. Join us for lunch as we take an in depth look at this model and discuss how it can be integrated into various disciplinary contexts.

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UMR

New Student Honors Seminar

Wednesday, February 22, 2006

"Undergraduate Research Opportunities"

Vice Provost Harvest L. Collier

7:00-8:00 PM

G-3 Schrenk Hall

UNIVERSITY OF
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UMR Opportunities for Undergraduate Research Experiences (OURE)

- Applications for 2006-07 OURE projects are due April 1, 2006
  Applications available at:
  http://campus.umr.edu/ugs/OURE.htm

- Final reports for 2005-06 OURE Projects are due April 1, 2006.
  Email reports to ugs@umr.edu

Service Learning Program

- Established Guidelines for Academic Service Learning Courses at UMR:

  http://campus.umr.edu/ugs/Service_Learning.html

- Working with departments to identify UMR service learning courses and courses through which service learning can be incorporated.

UMR Self Study

- PEAQ-Program to Evaluate & Advance Quality

- Last Comprehensive Evaluation: 1998-1999

- Next Comprehensive Evaluation: 2008-2009

- UGS recently established a UMR Self Study Steering Committee to initiate planning the self study process.

UM Undergraduate Research Day at the Capitol

April 4, 2006

UMR

16 UMR Participants:

Kyle Anderson,	Chemistry
Emily Bahram-ahi,	Chemical & Biological Eng.
Kerrie Barnes,	Civil, Architectural, & Environmental Eng.
Amy Boulch,	Geology & Geophysics
John Campbell,	Biological Sciences
Katherine Downs,	Geology & Geophysics
Trini King,	Biological Sciences
John Koch,	Electrical & Computer Eng.
Marshall McDaniel,	Biological Sciences
Travis McDowell,	Chemistry
Jessica Mueller,	Biological Sciences
Megan Partridge,	Chemical & Biological Eng.
Morgan Schiermeier,	Biological Sciences
William Stallard,	Electrical & Computer Eng.
Michelle Swenty,	Computer Science
Jenna Tune,	Biological Sciences

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Voyager Learning Community

- ### February 7:
  "The Road to Wisdom: Making informed choices is one path to success",
  Liz Lewis, LEAD Peer Learning Assistant

- ### February 15:
  "Residential College- Why all the Hype?",
  Kristi Schulte, Residential Life

- ### February 22:
  "Discover Research",
  Vice Provost Harvest Collier, Undergraduate & Graduate Studies

SCHOOL OF EXTENDED LEARNING

School of Extended Learning
February 2006

- A speech pathologist has been hired as part of an "Accent Reduction" program for faculty. This program is part of the Applied Language Institute housed in the SWBT Cultural Center building. Funding for the program has been supplied by the dean's offices and the response to the initiative has been excellent. A total of 10 faculty are currently enrolled with another seven on the waiting list.

- The Applied Language Institute enrolled 18 new students for the Spring 2006 semester bringing the total number enrolled to 43. Thirty-five of these students are fully sponsored and part of the group of 25,000 students being sent to various US institutions from Saudi Arabia over the next five years. For comparison purposes, total enrollment for the Fall 2005 semester was 34 students.

School of Extended Learning

- A new format is being tested on a limited basis for students taking distance courses that provides even greater access than that which was previously available. The standard Windows Media format has been converted to the MPEG3 (MP3) format which allows students to download the audio component of the course to their iPod. At this point in time, the conversion has been for audio only although video is certainly a possibility. Next time you see students wearing an earbud and jogging on the track, they may actually be multitasking and studying a lesson delivered earlier in the day.

- The number of students enrolled in on line courses at UMR continues to grow. Currently, 324 out of the total of 476 distance students are on line. This compares with 312 form the Spring 2005 semester. The greatest growth has been in the Civil Engineering and Systems Engineering programs.

- The Video Communications Center is broadcasting 59 course sections this semester compared with 43 during the Spring 2005 semester.

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INFORMATION TECHNOLOGY

Information Technology

UMR ranked among the nation's '25 most connected campuses' by the *Princeton Review* and Forbes.com

Applications/Enterprise Reporting
- Initial planning completed for Office of Admissions website
  - » Content creation in progress
- Initial planning underway for Research Repository
  - » Showcase & market UMR Research to internal and external research communities
- Digital Asset Manager installed in Documentum environment to allow dynamic manipulation of media content within Web Publisher

Networks and Computing
- Voice-Over IP Telephony Project
  - » Over 625 VoIP phones deployed
  - » Interdisciplinary Engineering scheduled for February 15 deployment
- New student exchange server installed and in use in a pilot mode
  - » Provides 1 Gigabyte email quotas for students
- New web server classarchives.umr.edu
  - » Will provide easier access to media content for students
- Numerically Intensive Computing (NIC)
  - » Testing in progress of a 40 node (80 CPUs) Dell based Linux cluster
- Potential grid based Wi-Fi trail with Sprint
  - » UMR to function as a test market and Wireless service to be extended to areas along the periphery of campus (UMR golf course, football and intramural fields, etc.)
- SAP/MoDOT proposal
  - » UMR's SAP Center of Excellence to pilot a new SAP module in conjunction with MoDOT
    - – Vehicle Fleet Management will track maintenance schedules, cost of vehicle operation, cost of replacing vehicles over repair costs, etc.

Solutions Center
- Network for Earthquake Engineering Simulation (NEES) Point of Presence
  - » Sharing of UMR research data with other members of the NEES community
- Desktop Enhancement
  - » 919 machines have been inventoried to date for FY2005 – FY2007
  - » FY2005 complete with 297 machines deployed
  - » FY2006 underway with 71 machines deployed

Project Management
- Vend-a-Card solution implemented for copier service in Library
- Planning under way for Student Information Network/Campus Information Network
- Planning under way for Enterprise Help Desk Consolidation Initiative

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UNIVERSITY OF MISSOURI-ROLLA

Memo To: Academic Council
From: UMR Campus Curriculum Committee Meeting
RE: February 7, 2006 meeting

The UMR Campus Curricula Committee recommends to the Academic Council that the course changes on the following CC forms be approved.

Approved CC forms:
CC 7001, Computer Science 485, Distributed Systems Theory and Analysis. The following changes have been approved effective Fall 2006.
Course Number – Proposed: 484
Catalog Description – Proposed: Analysis of the problems of state maintenance and
   correctness in concurrent computing systems using formal methods such as Hoare
   Logic, Temporal Logic, and Symbolic Model Checking.
Prerequisites – Present: Cmp Sc 385 or Cmp Sc 387 and Cmp Sc 158
                Proposed: Cmp Sc 384

CC 7002, History 382, The United States in Vietnam. New course approved effective Fall 2006.
Catalog Description: Through lecture, film and readings, this course examines the
   American experience in the Vietnam War. The course covers the causes and
   consequences of the war as well as its effect on those who fought and on American
   society as a whole. There is a special emphasis on the realities of combat and the
   war's impact on individual Americans.
Credit Hours: 3 hour lecture
Prerequisites: History 176

CC 7005, Philosophy 25, Ethics of Engineering Practice. The following changes are approved effective Fall 2006.
Course Number – Proposed: 225
Course Title – Proposed: Engineering Ethics
Prerequisites – Present: Entrance Requirements
                Proposed: An introductory (below 100) level philosophy course

CC 7006, Philosophy 35, Business Ethics. The following changes have been approved effective Fall 2006.
Course Number – Proposed: 235
Prerequisites – Present: Entrance Requirements
                Proposed: An introductory (below 100) level philosophy course

CC 7014, Management Systems 202, Cooperative Training in Management. Course deletion approved effective Spring 2006.

an equal opportunity institution

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CC 7015, Management Systems 302, Internship. Course deletion approved effective Spring 2006.

For the information of the Academic Council, the following EC forms have been submitted by the University departments for an experimental course that will be offered in the near future.

Approved EC forms:
EC 1762, Technical Communication 301, Introduction to Multimedia Authoring, approved effective Fall 2006.
Course Description: An Introduction to the theories of and practices in the uses of multimedia authoring in the technical communication fields.
Credit Hours: 3 hour lecture
Prerequisites: Tech Comm 65 or 240

EC 1765, Philosophy 101, Introduction to Ethics, approved effective Fall 2006.
Course Description: An introduction to the critical analysis of several ethical theories prominent in Western Philosophy, the nature of moral judgment, moral relativism, and one or more particular issue in applied ethics such as poverty, abortion, euthanasia, affirmative action, or the environment.
Credit Hours: 3 hour lecture
Prerequisites: None

EC 1767, Education 301, Language Essentials for Teachers of Reading & Spelling, approved effective Summer 2006.
Course Description: Participants will develop an understanding of comprehensive, research-based reading instruction and the ability to implement the instructional strategies in their classrooms. They will utilize frequent formal assessments to determine student mastery of concepts and skills and develop appropriate intervention strategies to ensure that all students are reading on grade level.
Credit Hours: 3 hour lecture
Prerequisites: Graduate Standing

EC 1768, Education 301, Scientifically Based Reading Instruction, approved effective Summer 2006.
Course Description: Participants will further develop an understanding of comprehensive, research-based reading instruction and the ability to implement the instructional strategies into their classrooms. This course is designed for teachers participating in the second year of the Reading First Program.
Credit Hours: 1 hour lecture
Prerequisites: Graduate Standing

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EC 1769, Education 301, Differentiating Instruction, approved effective Summer 2006.
Course Description: This course is designed to help participants develop lesson plans and
    instructional strategies that are challenging, engaging and responsive to a variety of
    needs, interests, learning styles and multiple intelligences of the students in their
    classrooms.
Credit hours: 1 hour lecture
Prerequisites: current K-12 educator

EC 1770, Education 301, Teachers' Academy: Effective Instructional Strategies,
approved effective Summer 2006.
Course Description: Participants will develop an understanding of research-based
    instruction and the ability to implement the instructional strategies in their
    classrooms. In addition to effective instructional practices, the teachers' academy
    will focus on leadership, empowerment, collaboration and renewal.
Credit Hours: 3 hour lecture
Prerequisites: Graduate Standing

EC 1771, Chemistry 401, Spectrometric Identification of Organic Compounds, approved
effective Fall 2006.
Course Description: Overview of MS and IR techniques in the characterization of organic
    compounds; CD/ORD; 1H, 13C, and heteronuclear NMR spectroscopy in the
    structural analysis; applications of APT, DEPT, 1H-1H COSY, HETCOR, HMQC,
    HMBC, INADEQUATE, TOCSY, NOE and NOESY, and dynamic NMR.
Credit Hours: 3 hour lecture
Prerequisites: Chem 223

EC 1774, Biological Sciences 101, Biologywood: Untangling Facts from Fiction at the
Movies, approved effective Spring 2007.
Course Description: Advances in biotechnology lead to Hollywood plots with a biology
    focus. Films influence society by disseminating facts or providing misinformation.
    In this course, popular movies are used to facilitate discussions of biology topics,
    help untangle facts from fiction, and show the role of public perceptions on science.
    Includes screenings of current and classic films, lectures, and discussions.
Credit Hours: 3 hour lecture
Prerequisites: None

EC 1775, Biological Sciences 301, Caribbean Biodiversity, approved effective Spring
2007.
Course Description: This course introduces students to the flora and fauna of San
    Salvador Island, Bahamas, and the surrounding coral reef communities. In addition
    to examining biodiversity, the course focuses on factors leading to enhancement
    and reduction of biodiversity and modern techniques to measure and monitor

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biodiversity. Topics include: biogeography, community structure, human impact, environmental change.
Credit Hours: Lecture: 1 Lab:2 Total: 3
Prerequisites: Bio Sci 110 or 111

EC 1776, Biological Sciences 401, Advanced Caribbean Biodiversity, approved effective Spring 2007.
Course Description: The course introduces students to the biota of San Salvador Island, Bahamas, and the surrounding coral reef communities. In addition to examining biodiversity, we focuses on factors leading to enhancement and reduction of biodiversity and modern techniques to measure and monitor biodiversity. Independent research projects and reading primary literature are required.
Credit hours: Lecture: 1 Lab: 2 Total: 3
Prerequisites: Graduate Standing

EC 1777, Biological Sciences 201, Biomedical Problems, approved effective Fall 2006.
Course Description: This course will use a problem-based learning approach to examine biological aspects of various medical conditions. Students will work in groups and individually to answer problems related to diagnostic testing and evaluation of diseases and other medical conditions.
Credit Hours: 3 hour lecture
Prerequisites: Bio Sc 110 or Bio Sc 111

J. Keith Nisbett, Chair
UMR Campus Curricula Committee

Personnel Committee Report to Academic Council Re: STUCO resolution 0506R4.2 – Toward the Implementation of a Mid-semester Teaching Self-Improvement Assessment

Academic Council requested that the personnel committee:
a) consider the Student Council resolution 0506R4.2 to determine if Academic Council can endorse their suggestion of implementing a mid-semester teaching self-improvement assessment and b) re-examine the issue of how end of the semester student evaluations are used at UMR.

This is the UMR Personnel Committee response to item a).

Actions taken:
A short questioner was emailed to 80 students, selected at random from the UMR email list, 50 faculty, also selected at random in the same fashion, and all (30) Academic Council officers and faculty representatives. The intent of the survey was to provide feedback with regard to two questions, namely "do you favor or oppose a mid-term teaching evaluation" and "what are the pros and cons of implementing a mid-term teaching evaluation."

To maximize the number of responses, the individuals were asked to check boxes indicating their degree of support/opposition in one of five categories ranging from "strongly support" to "strongly oppose" and a few sample opinions as to why they favor/oppose a mid-term evaluation were provided. Paraphrased, the options provided were:
a) evaluations do no good and are a waste of time.
b) evaluations are good because they allow the instructor to reinforce "good" techniques and modify "bad" techniques.
c) evaluations are bad because the instructor or students might retaliate in some form.
d) informal evaluations might become permanent/be used in performance evaluations.
e) class time should be used for more important things.
f) there are already plenty of opportunities to provide input.

These choices could be selected and/or written comments could be made.

Survey Results:
9 students, 28 faculty, and 14 AC reps responded to the survey.

With regard to whether implementing a mid-term evaluation is supported or opposed:
The few students who responded favor a mid-term evaluation; faculty are rather evenly divided on the issue; AC representatives tend to mimic faculty opinion but generally are more opposed to the idea (difficult to assess because of limited numbers). Exact results are provided in the graph.

With regard to reasons why people support the idea, the primary reason for implementing a mid-term evaluation is to "allow the instructor to reinforce good techniques and modify bad techniques." This benefit is recognized by both students and faculty.

Overwhelmingly, those who oppose a mid-term evaluation stated that "class time should be used for more important things" and "t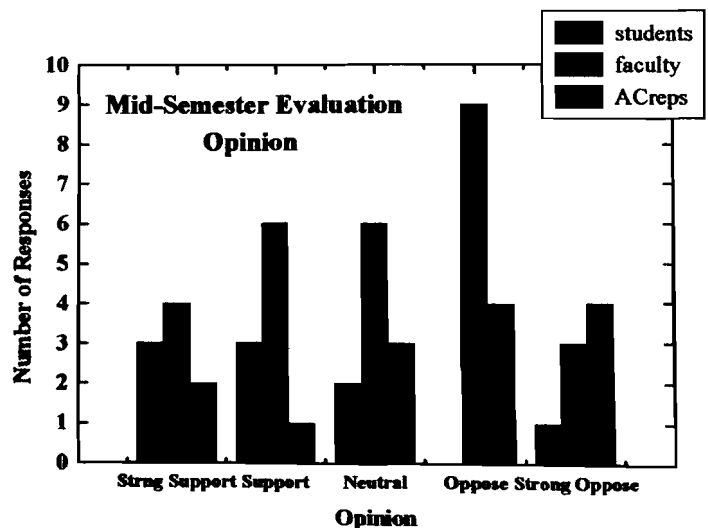here are already plenty of opportunities to provide input". Written comments from the faculty were emphatic about these two items, plus much concern was expressed about "keeping the evaluations private, i.e., between the students and the instructor" and "fear that mid-term evaluations might become mandatory". It was also expressed NUMEROUS times, that informal mid-term feedback mechanisms are already taking place, at the discretion of the individual instructor, and it should remain that way.
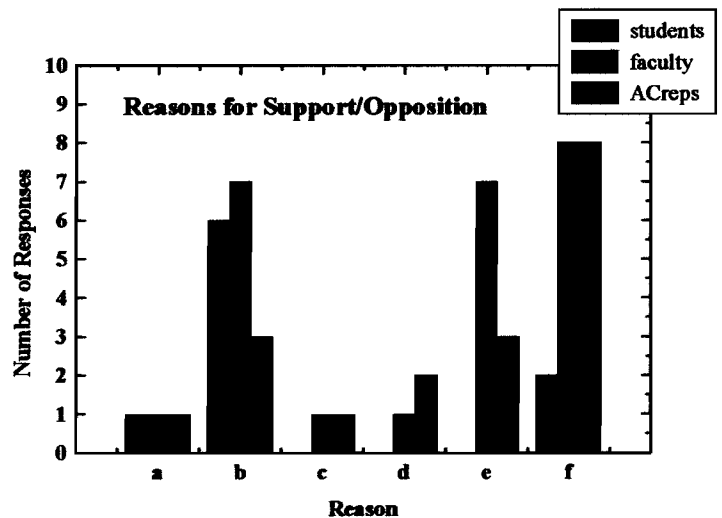
Conclusions and Recommendations:
From the survey results and comments received, the Personnel Committee observes that
   a) Faculty and students recognize the importance and benefit of student input to the instructor with regard to methods for strengthening and improving courses, particularly when provided early in the semester.
   b) Mid/early semester-evaluations are already being done voluntarily in an informal manner in many cases.
   c) There are well identified negative aspects and fairly strong faculty opposition from implementing a "formal" mid-term evaluation.

Therefore, it is the recommendation of the Personnel Committee that the Academic Council a) endorse the importance of student input, particularly input received early in the semester, toward improving communication and teaching effectiveness at all levels of instruction, b) encourage faculty to make students aware of means for providing such input and to voluntarily solicit input at all times during the semester but c) not support implementation of a University wide application of STUCO resolution 0506R4.2.

Respectfully submitted to Academic Council, January 2006
Robert DuBois, Chair UMR Personnel Committee

Jaquess, Lois

From:	Dubois, Robert D.
Sent:	Wednesday, February 15, 2006 3:45 PM
To:	Jaquess, Lois
Subject:	RE: RE: Academic Council

Attachments: AC Report.doc; Report on Midterm Evaluations.doc

Lois,
Here are two items that will be reported at the next AC meeting. Please let me know if anything else is needed.

AC Report.doc (44 KB) Report on Midterm Evaluations....

Bob DuBois

From: Jaquess, Lois
Sent: Wednesday, February 15, 2006 10:09 AM
To: Myers, Donald Dean; Dubois, Robert D.; McMillin, Bruce M.; Haynes, W(illiam) Lance; Fitch, Stephanie L.; Morton, Lea-Ann; Mundis, Nathan Lee (UMR-Student); Shil, Prasenjit (UMR-Student)
Cc: Schwartz, Robert W.
Subject: RE: Academic Council

Good morning everyone,

Now that we have established a routine on the agenda, Bob and I thought it would be appropriate at this time to remind and inform everyone that has a report for the Academic Council Meeting on February 23rd. that if you have a report and have it in writing, and would like to make it part of the public document to please send it to me by Thursday so that I can submit all of the reports at the same time. If you have any questions, please do not hesitate to contact me.

Have a good day!

Lois Jaquess
Administrative Assistant
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Report to Academic Council Regarding Referral to Personnel Committee Pertaining to Faculty Salaries at UMR

December, 2005

Regarding the referral to the Personnel Committee pertaining to the question of how Faculty Salaries at UMR compare to "comparable institutions":

The Committee obtained faculty salary information data from the UM System. Information included were faculty salaries as a function of rank and department. Salaries were provided as a function of rank and department and were scaled to "12 month equivalent" annual salaries. In general, only non-administrative faculty were included. Two sets of data were available; one assembled in the fall of 2003 and one assembled in the spring of 2005. The 2003 analysis included all participating institutions for the AAU and OSU/Landgrant surveys. For 2005, this list was scaled down to institutions primarily in the Central States Regions (Minnesota to Texas and adjoining states, 27 in all). The 2003 CUPA data focused on key engineering programs only since the higher pay scales from these large and private institutions would influence the comparison with respect to UMR's non-Engineering programs.

1. Included in the survey were:
   a) UMR faculty salaries
   b) Comparative data obtained using various College and University Professional Association (CUPA) institutions.
      Examples of CUPA institutions included in the 2003 survey:
      California Institute of Technology   Texas A&M University
      Case Western Reserve University   Lehigh University
      Michigan Technological University   Rice University
      Rensselaer Polytechnic Institute   Purdue University-Main Campus
      Stevens Institute of Technology   Colorado School of Mines
      Massachusetts Institute of Technology

      Examples of CUPA institutions included in the 2005 survey:
      Rensselaer Polytechnic Institute   University of Alabama-Huntsville
      Rose-Hulman Institute   South Dakota School of Mines

   c) Comparative data obtained using various American Association of Universities (AAU) institutions.
      Sample AAU institutions included in the 2003 survey:
      Carnegie Mellon University   Massachusetts Institute of Technology

      Examples of AAU institutions included in the 2005 survey:
      Purdue University   Rutgers
      University of Illinois   University of California-Berkeley
      University of Texas-Austin   University of Virginia

d) Comparative data obtained using the Oklahoma State University Faculty Salary Survey (OSU)
   Sample OSU institutions included in the 2003 survey:
   Georgia Tech   Purdue University   Texas A&M University

   Examples of OSU institutions included in the 2005 survey:
   Georgia Tech   Arizona State University   Iowa State University
   Texas A&M University

   e) A direct comparison with the Colorado School of Mines (2005 survey only)
   f) Data obtained in 2005 from the American Physical Society (Physics Faculty only)

2. The Committee crosschecked the 2005 UMR data by supplying these data to the UMR Departmental Chairs and requesting their agreement/disagreement/comments. In most cases, the Chairs confirmed the data. In cases of discrepancies/questions, the Committee was able to resolve most of issues. This increased Committee confidence in the UMR data.

3. The Committee then made direct comparison between the 2003 and 2005 UMR salaries and those from the CUPA, AAU, etc. studies in two ways.
   a) UMR standings were tabulated as in either clearly higher or clearly lower categories by comparing UMR average salaries with respect to other institution's average salaries. This was done as a function of rank and department.
   b) UMR average salaries, as a function of rank and department, were normalized to the average salary calculated from ALL of the comparable institutions.

4. From these comparisons, the Committee noted the following:
   a) Overall, with respect to the comparison groups, improvements were noted in UMR faculty salaries between the 2003 and 2005 studies. These improvements were more notable at the Assistant and Associate Professor levels which are now roughly 6% higher than the average of the comparable institutions whereas the Professor level is currently 6% lower than the average comparison salary.
   b) As a function of discipline, the Committee noted:
      i) Engineering and like departments:
         Improvement was noted at all levels. Assistant and Associate Professors are approximately 11% above average; Professors are 6% above average.
      ii) A&S:
         Improvement was noted at Assistant and Associate Professor levels (approx. 3% above average); Professors are currently 11% below average. No dissimilarities were noted between the "arts" and the "sciences".
      iii) Business/Marketing:
         No clear conclusions could be drawn due to limited data (number of faculty) and new hires.

5. With respect to Staff and Management salaries, relative Management data were provided in the 2003 study but no data were provided in the 2005 study. No Staff salary information was provided in either study.

6. With regard to the data collection and presentation, the Committee notes that:
   a) scaling the data to 12 months appears to artificially inflate the numbers plus introduces confusion
   b) comparisons, particularly in the Associate and Professor categories, can be highly skewed by the length of service within this category. This is particularly important in small departments where the salary of a single individual can skew the data to appear to be abnormally high or low with respect to comparative departments.

7. Future surveys should take item 6 into account, perhaps by providing data in terms of actual annual salary divided by the actual number of months of paid appointment plus normalizing to the number of years service at the present level. Future surveys should also include the Chancellor's list of "comparable schools" as one of the reference data sets.

The Personnel Committee respectfully submits these findings to the Academic Council and thanks Phyllis McCoy for her major contributions in addressing this referral.

Robert DuBois
Chair, UMR Personnel Committee

Lois,

Here is the requested info from Tenure.

Recommendation on Referral 1:

First, I would like to request that your committee provide a recommendation on the input of faculty with joint appointments on tenure and promotion decisions in their non-primary department. Specifically, for faculty members who have less than a 50% appointment in a particular department (i.e., their non-primary department), should these faculty members have a voice in tenure and promotion decisions within this department? I have received multiple requests for guidance on this issue and I am hopeful your committee can provide a response. I have reviewed the Collected Rules and Regulations in this regard but have found little guidance.

Recommendation from Tenure Committee:

No one in the non-primary department (the non-tenure department) has a vote in the applicant's tenure decision.

Report on Referral 2:

In a meeting with Chancellor Carney, the Chancellor raised the question of the role of economic development activities as part of tenure and promotion decisions. The importance of this "fourth mission" of the university because of its impact on the state has also received significant attention at recent Intercampus Faculty Council (IFC) meetings. As a measure of the importance of this mission, the University of Missouri has recently created a new position entitled Vice President for Research and Economic Development, which is currently filled by Dr. John Gardner. Regarding this aspect of the referral, I would ask that your committee consider the appropriateness of revising promotion and tenure guidelines to incorporate a component for economic development activities.

The following motion was approved by unanimous vote of those present:

> Economic Development will be considered as a positive component of the P&T dossier. The scholarly component of the economic-development activity will be judged under research/scholarship, the service component of the economic-development activity will be judged under service, and the teaching component of the economic-development activity will be judged under teaching. In other words, the rules for P/T will remain as stated in the University of Missouri Systemwide Perspective on Promotion and Tenure, since they are encompassing enough to include all the scholarship/service/teaching that may go into economic-development activity.

Dr. Robert Schwartz
B-49 McNutt Hall

Dear Dr. Schwartz:

   The Academic Freedom and Standards Committee met, at your request, to consider the instructor drop rules. We visited with Dean Lutz, Laura Stoll, and Jeremiah King, as well as receiving input from the General Counsel, the Student Council, and from other campuses of the UM system.

   We concluded that, while maintenance of the instructor drop option is an important teaching tool, a general tightening of the circumstances surrounding its application is warranted.

   As such, we recommend the changes to the Student Academic Regulations shown in the attachment. Please note that the changes are drawn largely from the instructor drop rules currently in effect at the University of Missouri School Of Law in Columbia and on recommendations from UMR's Student Council.

Best Regards,

W. Lance Haynes, Chair
Academic Freedom and Standards Committee

Jaquess, Lois

From:	Fitch, Stephanie L.
t:	Friday, February 10, 2006 9:37 AM
To:	Jaquess, Lois
Cc:	Schwartz, Robert W.; Mundis, Nathan Lee (UMR-Student); Mitchell, Paul
Subject:	Motion for AC Meeting 2/23
Attachments:	Constitution of the Residential College Association.doc; College Dems Constitution-Revised.doc

Dear Lois,

The Student Affairs Committee would like to have 2 minutes (or less) scheduled on the agenda for the AC meeting on 2/23.

A representative from our committee (probably Nathan Mundis) will make the following motion:

> The Student Affairs Committee has reviewed and approved the constitutions of two student organizations: The College Democrats and The Residential College Association. We hereby move that these two organizations receive Recognized Student Organization status.

The constitutions of these two organizations are attached.

NOTE: This motion is dependent upon receipt by Student Life of both revised constitutions, which are expected next week. I will forward copies of the revised constitutions when they are received. This motion may be amended, or not made at all, if both revisions are not received by 2/15. (I assume it's better to have a bit of time reserved than not.)

S[●]h Fitch
Chair, Student Affairs Committee

The Constitution of the University of Missouri-Rolla College Democrats

Preamble

In order to promote a better America, with equality, opportunity, and freedom within a just and strong society, we dedicate ourselves to organizing the participation of Democratic college students at the University of Missouri-Rolla. In this mission, we call for full participation of all UMR students, regardless of gender, race, ethnicity, national origin, religion, physical handicap, veteran status, socioeconomic status, or sexual orientation.

Understanding the importance of participation in the Democratic Party to the preservation of our values and principles, we, Democratic college students, do hereby associate ourselves and adopt this Constitution as the University of Missouri-Rolla College Democrats.

Article 1: Name and Purpose

A: Name: The name of this organization shall be the UMR College Democrats, hereafter referred to in this document as the "College Democrats".

B: Purpose: The College Democrats pledges itself to support the philosophy and candidates of the Democratic Party. Furthermore, the College Democrats declares its intention to support all efforts to increase the participation of college students in Democratic affairs. To these ends, the College Democrats shall educate and train its members so that they may be better able to:

1. Educate students about the philosophy of the Democratic Party;

2. Assist in the election of local, state, and national Democratic candidates.

3. Affect political change on the local, state, and national level.

Article 2: Membership

A: Members: Membership in the College Democrats shall be open to any college student currently enrolled at UMR who wishes to be known as a College Democrat and who has the best interests of the College Democrats and the Democratic Party at heart, regardless of gender, race, ethnicity, national origin, religion, physical handicap, veteran status, socioeconomic status, or sexual orientation.

B: Dues: All members shall pay semesterly dues as set by the Executive Board. Failure to pay dues shall result in a member losing good standing.

C: Attendance: All members should attend meetings and activities of the College Democrats whenever possible. In order to maintain good standing, a member must attend at least 50% of all activities as determined by the Executive Board.

D: Loss of Good Standing: A member who loses standing with the College Democrats will regain standing at the beginning of the next semester or upon payment of a fine equal to 50% of the semesterly dues.

Article 3: The Executive Board

A: Composition: The Executive Board shall be composed of the President, Vice President, Treasurer, and Communications Director. All positions will be elected once yearly as the General Elections.

B: The Executive Board shall determine the agenda and policy of the College Democrats and coordinate all activities and events.

C: The Executive Board shall meet as required to perform their assigned duties.

Article 4: The Oversight Committee

A: Composition: The Oversight committee shall be composed of the Executive Board and 3 general members selected by the President at the beginning of his or her term.

B: The Oversight Committee shall act as the Election Committee, Impeachment Committee, and any other body called out in this Constitution or designated by the Executive Board.

C: All actions of the Oversight Committee not directly related to election or removal of officers will require majority approval of the general body.

Article 5: Duties of the Executive Board Positions

A: All Executive Board members must maintain active involvement in all of the College Democrats activities and endeavors.

B: Duties of the President. The President will:

   1: Be the Chief Executive Officer of the College Democrats;

   2: Define the agenda of the College Democrats during his or her tenure;

   3: Act as the official representative of the College Democrats to other groups and the media;

4: Carry out the mandates, policies, and directives of the Executive Board;

5: Preside over all meetings of the College Democrats.

C: Duties of the Vice President. The Vice President will:

1: Assist the President in the performance of his or her duties; including brainstorming ideas and evaluating the progress of the Executive Board and organization as a whole;

2: Act as President when the President is unable to perform his or her duties;

3: Assume the office of the President upon the President's death, resignation, removal, or inability to perform duties;

4: Take on projects of his or her choosing, or as required by the Executive Board.

D: Duties of the Treasurer. The Treasurer will:

1: Direct fundraising activities and prepare all grants;

2: Manage the financial accounts and budget;

3: Perform such duties as the President may assign and take on projects of his or her choosing.

E: Duties of the Communications Director. The Communications Director will:

1: Coordinate all publicity activities;

2: Notify media of all events of the College Democrats in an attempt to ensure media coverage;

3: Maintain all historical documents of the College Democrats, including regular meeting minutes;

4: Perform such duties as the President may assign and take on projects of his or her choosing.

Article 6: Elections

A: Elections shall occur yearly in April.

B: Eligibility to run for a position and vote: Any member of the College Democrats in good standing who meets the University requirements for holding a campus officer position shall be eligible to run or vote in any election.

C: Secretive ballots: One vote per person per election. Candidates cannot vote in their own election.

D: Procedure: Candidates are nominated directly before their election.

　　1. Speech length: Pres - 4min; VP - 3min; Other - 2min

　　2. Q & A: Pres - 7min; Other - 5min

　　3. Supporting speakers: Pres - 5; Other - 3. Each supporting speaker has 45 seconds to support his candidate. Order of speakers will alternate among candidates. They are forbidden to make any derogatory statements about any candidate. This shall not exclude factual comparison and contrasting of candidates. Candidates are prohibited from the election room during the time of supporting statements.

　　4. Vote counting and declaration of winner will occur directly after that election. All members of the sitting Oversight Committee not currently running for office will serve as the Election Committee.

Article 7: Removal

A: Cause for removal: Cause for removal shall be defined as malfeasance or nonfeasance of duties assigned by the Executive Board or delineated within this document, or as ineligibility for Executive Board membership pursuant to Article 2. Cause for removal shall also include grounds found by 3/4 members of the Executive Board to constitute good and sufficient cause.

B: Process for removal: To begin the process for removal, another member of the Executive Board must charge the officer with the reasons for his or her removal publicly at a meeting of the Oversight Committee called for this purpose. The officer in question must be offered an opportunity to defend himself or herself at the same meeting. After a period of two weeks the issue shall be put to a vote. Three-fourths members of the Oversight Committee must vote for removal for an officer to be removed.

Article 8: Vacancies

A: Declaration of vacancy: A vacancy shall be declared when a member of the Executive Board dies, resigns, or is removed from office. If the vacancy occurs in an Executive Board position other than the President, the President shall appoint a successor with a 2/3 majority consent of the remaining Executive Board. If the vacancy is the President, then the Vice-President shall automatically be the replacement.

Article 9: Meeting Procedures

A: Presiding Officer: The President will serve as presiding officer at all meetings of the College Democrats

B: Meeting Times: The College Democrats will meet on a regular basis determined by the Executive Board. In no circumstances will the College Democrats meet less than monthly during the regular academic year. Special meetings may be called by the Executive Committee with at least 24 hours of notice to the general membership.

C: Procedural Authority: The College Democrats shall strive to be inclusive in all meetings and debates. In cases of financial matters or policy decisions, debate shall be guided by the latest edition of *Robert's Rules of Order, Newly Revised*. At all other times, the rules of orders will be at the discretion of the President. A decision of the chair, however, may be appealed at any time at the request of any member in good standing.

Article 10: Rules and Regulations

A. Laws: The UMR Campus Democrats will follow all federal, state, and local laws and rules of the University, but shall lawfully and peacefully challenge any laws or regulations that abridge their constitutional rights.

B. National Charter: The UMR Campus Democrats shall charter with the College Democrats of America and shall affiliate with the Missouri State College Democrats Federation at the choosing of its members. This affiliation shall be solely for communications purpose and at no time with the UMR Campus Democrats lose local control of its operations or agenda.

Article 11: Amendments

A: Procedure: This Constitution can be amended by a 2/3 majority vote of the Executive Board with 2/3 approval by the dues-paying membership at any duly called meeting.

B: Approval: All amendments to this Constitution must be approved by the UMR Student Affairs Committee, Academic council, and/or their designees.

Article 12: Ratification

A: Procedure: This Constitution will become valid upon approval by a majority of chartering members and approval from the UMR Student Affairs Committee, Academic Council, and/or their designees.

Constitution of the Residential College Association

We the students residing in the Residential College Complex at the University of Missouri-Rolla, do hereby establish this constitution for the Residential College Association at the University of Missouri-Rolla, for the advancement of the general welfare of students living in the residence halls. The Residential College Association is a body that does not discriminate on the basis of culture, ethnicity, gender, religion, or sexual orientation. We have vowed to address concerns of all residents and to represent them to this university and other universities that we associate with.

Article I. Name and Affiliation

This organization shall be called the Residential College Association at the University of Missouri-Rolla, hereafter referred to as RCA, affiliated locally with the Residence Hall Association (RHA), regionally with the Midwest Affiliate of College and University Residence Halls (MACURH), and nationally with the National Association of College and University Residence Halls (NACURH).

Article II. Purpose

The purpose of this organization shall be to govern, with the coordination of the RHA, through programming and policy decision and to serve as a representative of students living in the Residential College Complex.

Article III. Membership

Section A
The membership of RCA shall consist of the following representatives:
1. Executive Board consisting of a:
   a. President
   b. Vice-President
   c. Secretary/Treasurer

2. The RCA Body consists of the following:

   1. Voting Members
      a) Voting members are all Governors and Lt. Governors as duly elected by the community.

   2. Active Members
      a) Active Members are those that attend RCA meetings and RCA functions. The Secretary will have discretion over who qualifies for active member status.

b) Active Members, with the exception of RA's may present the President a petition of Fifteen (15) signatures of current Residential College students, Six (6) of which must be from another community, to become a voting member.

3. Members

a) All those students living in the Residential College Complex will be considered members of RCA.

Section B

A community shall be defined as one wing of each floor. The floors shall be referred to by the following titles: the first floor as "The Resort,"the second floor as "Lambda Rho," the third floor as "Altman," the fourth floor as "The Palace."

Section C

The procedure for determining representative members shall be set forth by each community represented. Representative members shall be defined as a community's Governor and Lieutenant Governor.

Section D

Should a vacancy in an official position occur in a community, the community to which the vacancy occurred shall prescribe the method for filling it.

Section E

1. All voting members and RHA Members-at-large for RCA must attend all RCA meetings unless excused by the President or Secretary.

a. Two unexcused absences within one full academic year will result in a written warning being issued, giving the member in question a chance to explain his/her absences. The Voting Members will then hold a 2/3 majority vote to determine whether the member should retain his/her position.

b. Four unexcused absences will result in an automatic removal of the member from his/her position.

2. To remove any member from RCA for any reason(s) other than absences, a petition, clearly outlining the basis for removal and containing signatures from twenty-five percent of the voting members of RCA, must be presented to the Executive Board. For this removal to occur, a two-thirds majority of all voting members of the Voting Members is necessary.

a. To remove a member of the Executive Board also requires a signature of another member of the Executive Board

3. All members have the right of due process before removal is final.

Article IV. Executive Board

Section A
Members of the Executive Board must:
1. Have a 2.5 cumulative grade point average or higher.
2. Not be on academic or disciplinary probation.
3. Not be a Resident Assistant.
4. Not hold any other office within RCA.

Section B
1. The President shall have the following duties:
    a. Have served RCA or RHA for at least one active semester.
    b. Set the time and place of the Voting Members meetings.
    c. Preside over all meetings of the Voting Members.
    e. Propose the appointment or removal of appointed positions to the Voting Members for its approval.
    f. Serve as the official representative of RCA.
    g. Cast the deciding vote only in the event of a tie vote of the Voting Members.
    h. Validate Student Requests for Funds (SRF forms).
    i. Have a working knowledge of Parliamentary Procedure.
    j. Be a member of the RHA.
    k. Serve the UMR Resident Judicial Board as outlined in the UMR Resident Judicial Board Code.

2. The Vice-President shall have the following duties:
    a. Form and coordinate all RCA committees and get all committees approved by a 2/3 vote by the Voting Members.
    b. Serve as acting President if the President is unable to attend the Voting Members meetings.
    c. Have a working knowledge of Parliamentary Procedure.
    d. Be a member of the RHA.
    e. Assume the duties of any Executive Board member who is unable to attend the Voting Members meeting.
    f. Shall produce a bi weekly newsletter about the events happening at the RC and UMR
    g. Any other tasks relating to those above.

3. The Secretary/Treasurer shall have the following duties:
    a. Record and distribute the minutes from all RCA meetings.
    b. Record all correspondence and relay the information to the Executive Board.
    c. Receive and distribute the official agenda to all Voting Members.
    d. Prepare a RCA budget with the Executive Board.
    e. Keep accurate and current financial records.
    f. Approve funds for expenditures.
    g. Validate SRF forms.
    h. Present a financial report to the President and Advisor as requested.

i. Be a member of the RHA.

j. Any other tasks related to the ones above.

Article V. The Voting Members

Section A

The Voting Members shall:

1. Represent RCA within the University and other campus organizations.

2. Carry out any actions necessary and proper to improve the general welfare of RCA.

3. Carry out the provisions of the RCA Constitution.

4. Set up such committees as it sees necessary to carry out the functions of RCA.

5. Be a resident of the Residential College

Section B

1. Governors shall have the following duties:

a. Represent their communities at all RCA meetings.

b. Be actively involved in RCA functions.

c. Report RCA business to their community.

d. Aid in the planning of and participation in at least one (1) RCA committee per semester.

2. Lieutenant Governors shall have the following duties:

a. Represent their communities at all RCA meetings.

b. Be actively involved in RCA functions.

c. Report RCA business to their community.

d. Aid in the planning of and participation in at least one (1) RCA committee per semester.

3. Active Voting Members shall have the following duties:

a. Represent their communities at all RCA meetings.

b. Be actively involved in RCA functions.

c. Report RCA business to their community.

d. Aid in the planning of and participation in at least one (1) RCA committee per semester.

4. RHA members-at-large shall have the following duties:

a. Attend all RCA meetings.

b. Attend all RHA meetings.

c. Serve as a liaison between all residents of the Residential College and the RHA.

Section C

If a Governor or Lieutenant Governor fails to aid in the planning and participation of one RCA committee per semester, the member accused will be considered to have two unexcused absences and is subject to the procedure detailed under Article 3 Section E.

Article VI. Advisor

The advisor shall be a Professional Residential Life Staff Member, or their appointee as appointed by the Residential Life Department, and have the following duties:

a. Attend all RCA meetings.
b. Validate SRFs.
c. Serve as a liaison between Residential Life Staff and RCA.
d. Advise on residence hall policy and procedure.
e. Must be a full time employee of UMR

Article VII. Funding

Section A

The budget shall be divided up by the following method
a. 53% Floor Funds
b. 30% General Funds
c. 7%   Office Funds
d. 10% HIRC Funds

Section B
All committees and/or individuals from RCA must receive a majority vote from the Voting Members to spend all funds with the exception of community funds. Community funds require at least two-thirds written permission from the community's members. At the first Voting Members meeting the Treasurer shall outline the procedure for the acquisition of funds.

Section C
Any committee authorized by the Voting Members to engage in purchase or sale of goods or services shall deposit the proceeds of such activities in the RCA Treasury.

Section D
The President, Treasurer, and Advisor must validate all SRF forms.

Section E
A SRF for community funds must be finalized before the final meeting of RCA's general council. Community funds not allocated will revert back to RCA funds. All funds not specifically allocated, by the deadline set as the third to last RCA meeting of the academic year, shall revert to the general fund to be used for hall improvement. At the last regular meeting, the Voting Members shall designate how to use these funds.

Article VIII. Elections

Section A

1. The residents of the Residential College shall choose the Executive Board through an election. Nominations shall close after a RHA co-chair has been chosen.

2. After the close of nominations and before elections for Executive Board positions at the Voting Members meeting, further nominations may be made by a petition of twenty-five current residents of the Residential College.

3. No candidate for a RCA office may spend more than ten dollars of his/her own money for campaign expenses. All expenses must be reported to the Treasurer.

4. The candidate with a simple majority wins. In case of a tie the matter shall be brought before the board of governors for a vote and simple majority wins.

5. The newly elected Executive Board will meet with the advisor within one week following the Executive Board elections. The newly elected Executive Board shall review the RCA Constitution.

Section B

Member at Large Elections: RHA MALs shall be elected during the first RCA meeting. Should vacancies occur throughout the year, replacements shall be elected at the next RCA meeting following the position being open.

Section C

1. In the case of a vacancy in the office of the President:
   a. The Vice-President shall become President for the remainder of the term.
   b. The procedure for filling the position of Vice-President shall be that defined in Article IX. Section A.

2. In the case of vacancy in another office:
   a. A special election shall be held following the provisions of Article IX. Section A.
   b. If the vacancy occurs with less than two months left in the remaining term in office, the Executive Board shall appoint a new officer with two-thirds approval of the Voting Members.

Article IX. Voting

Section A

Voting can only occur if a quorum of voting members is present.

Section B
Only voting members present shall be counted in determining the outcome of a vote. Abstentions shall count as though the member were not present yet still count to a quorum call.

Section C
The President or Acting President shall have no vote within the assembly unless the voting members are equally divided.

Article X. Amendments

Section A
1. Proposed amendments may be submitted in written form by any member of RCA while in session or to any Executive Board members while not in session.
2. Amendments in non-written form may be brought before the body, but only after a 2/3rds vote by the Voting Members to allow them to be presented.

Section B
Adoption of an amendment shall be effective upon approval by two-thirds vote of the voting members present of the Voting Members, subject to approval by the Student Affairs Committee and the Academic Council or their designated representatives.

Section C
If there is new constitution written it shall be effective upon approval by two-thirds vote of the voting members present of the Voting Members, subject to approval by the Student Affairs Committee and the Academic Council or their designated representatives.

Article XI. Parliamentary Authority

Section A
All meetings of the Voting Members shall be conducted as according to parliamentary rules as set forth in Robert's Rules of Order, Newly Revised, subject to the President's interpretation.

Article X By-Laws

Section A
The By-Laws shall be amended by a 2/3 majority vote. By-laws will be filed with the Department of Student Life upon RCA ratification.

Section B
The By-Laws may be suspended by a 2/3 majority vote.

Section C

RCA shall follow all rules of the University and laws of the State of Missouri.

Jaquess, Lois

From:	Morton, Lea-Ann
Sent:	Wednesday, February 15, 2006 11:31 AM
To:	Jaquess, Lois; Bramel, Linda G.
Cc:	Frazier, Kimberly
Subject:	Staff Council

Hello- on behalf of Staff Council I would like to include the following information for Chancellor's Council and Academic Council:

- Staff Survey results are in - 309 responses - and are available on the Staff Council website http://campus.umr.edu/staffco/
- Staff Council will be soliciting nominations for Outstanding Staff Awards February 24th - March 17th. Nomination forms are available on the Staff Council website or paper forms are available upon request.
- Staff Appreciation Day will take place on Wednesday, June 7th.

Thank you!

Lea-Ann Morton
Director
Career Opportunities Center
University of Missouri-Rolla
573-341-4254 office
573-341-4253 fax

UMR

The Promotion and Tenure Process at UMR:
Now and In the Future

Chancellor John Carney

Robert Schwartz
Academic Council President

February 21, 2006
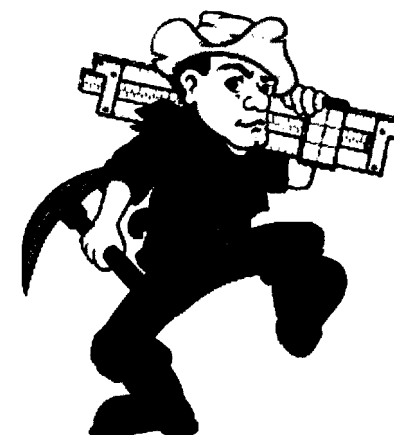
- Listen to your concerns regarding promotion and tenure under the assumption of an administrative structure without schools or Deans

- Discuss current promotion and tenure dossier review procedures and policies

- Initiate discussion on the structure of the promotion and tenure process in the future

UMR Overview of the P/T Process

- Department Committee (Advisory)
  - Votes Y/N on dossier; writes letter to Chair

- Department Chair (Recommends)
  - Writes recommendation to Dean

- School/College Committee (Advisory)
  - Votes Y/N on dossier; writes letter to Dean

- Dean (Recommends)
  - Writes letter to Provost

- Campus P&T Committee (Advisory)
  - Votes Y/N on dossier; writes letter to Provost

- Provost (Recommends)
  - Reviews entire dossier and letters of support; writes letter to Chancellor

- Chancellor (Final Signature Authority)
  - Reviews complete dossier

UMR Other Aspects of P & T at UMR

- Each department and school/college may set their own policies, <u>provided they are within the guidelines specified in the Collected Rules and Regulations</u>
  - Section 310.015 – Procedures for Review of Faculty Performance
  - Section 320.035 – Policy and Procedures for Promotion and Tenure

- Examples of variations:
  - Committee formation and chairmanship – by election or appointment
  - The approach Deans use for consultation; may seek other input

UMR Statistics of Recent P & T Dossiers

- Participants (individuals and committees) are in general agreement on promotion and tenure dossiers
- Table below is based on review of data from last 8 years; results reported are in percentages of dossiers "recommended"
  - Promotion – 100 cases
  - Tenure – 65 cases

	Dept. Cmte.	Dept. Chair	School Cmte.	Dean	Campus Cmte.	Provost	Chancellor
Promotion	95	96	94	92	86	83	82
Tenure	97	97	95	92	88	86	85

UMR The P&T Process Without Deans

- Typical number of promotion and tenure decisions on campus per year ~ 15

- Dean and school/college voices reflect those of committees and individuals involved in process at higher and lower levels

- Typically, most (~ 80 – 90%) dossiers show great consistency in opinion at each level (i.e., department, school, and campus PT committee votes)

- Campus P&T Committee
  - Current committee is based on 2 elected representatives from each school and the Chair of the Academic Council Personnel committee
  - Need to address bylaw issues (representatives from schools)
  - Maintain equitable process and fair review of dossiers

- In administrative structure without Deans/schools
  - 2 of 7 review levels removed
  - Consider process at WPI and other universities without Deans?

UMR Considerations

- Solicit input from stakeholders and members of the general faculty

- Consider required changes in faculty bylaws and that any new policy would fit under the guidelines of the CRR

- Address consistency of policies across campus (note: not requirements/considerations)

- Assess effectiveness of 3rd year review

- Referral to Academic Council Tenure and Personnel committees

- Additional meetings such as this

Volume XXXVI, Number 5
Minutes of the Academic Council Meeting
January 19, 2006

I. Call to Order, Roll, and Approval of Minutes
The meeting was called to order at 13:30 by President Schwartz and roll was taken.
Absentees noted: Belarbi, Luna, Hines, Herade, Hall.
Substitutions noted: Smith for Van Aken, Fisher for Lea, Akin-Bohner for Bohner, Murphy for Robinson.

The meeting minutes of November 17, 2005 were **approved** as submitted.

II. Reports of Standing and Special Committees
    A. Curricula (See written reports of Committee from 12/6/05 and 1/3/06)
(i) 9 of the 10 Degree Change (DC) forms were **approved**. The DC form for the new MS degree in Bioinformatics was **tabled** at the request of the Budgetary Affairs Committee so that they have adequate time to review it.
(ii) 40 Course Change (CC) forms were **approved** as submitted.
(iii) 33 Experimental Course (EC) forms were **noted** by Council..

III. Old Business
No reports. There are three active referrals.

IV. New Business and Announcements
    A. Election of Representatives for Provost's Search Committee (R. Schwartz)
RP&A nominated Blum and Kosbar. Cohen was nominated from the floor. A motion to have the election by e-mail or paper ballot was defeated by voice vote. The vote tally was Blum (26), Kosbar (21), and Cohen (15) with the top two serving on the Committee.

    B. Library Report (A. Stewart)
Scott Bennet, Emeritus University Librarian from Yale, spoke about the need to change the way that libraries use their space. The role of the library is changing and faculty/staff have to change their use with it. There is a Special Committee that will make a report in the near future.

    C. Staff Council (L. Morton)
Reported that they have new on-line survey that will facilitate interaction/information exchange.

    D. Student Council (N. Mundis)
Reported they: (i) have a new survey done that they plan to prepare to present this to the Chancellor's Council. (ii) suggested that savings from credit card usage be funneled into needs-based assistance. (iii) voted to support the IT budget for the use of student computing fees.

    E. Council of Graduate Students (P. Shil)
Reported that they had a student survey done last semester and will try to publish survey findings next month. General election will be held in February. The date and timing of the election will be announced soon.

    D. Referrals
Open referrals were noted and they will be reported on next meeting.

V. Reports and Responses

A. President (R. Schwartz) (Re: Written report w/Agenda)

Reported on an initiative to voice faculty opinions on and suggestions for the Strategic Plan. AC-related Committees will have responsibility for reviewing parts of the plan. RP&A will coordinate the review for AC.

A referral in regards to virtual gaming and its relationship to academic performance will be forwarded to Student Affairs..

B. Provost (Y. T. Shah) (Re: Written report w/Agenda)

Reported that enrollment and research numbers are looking good. There will be numerous workshops organized by CERTI. There will also be a workshop on the new implementation of the academic alert system. The deadline for the nomination of academic advisor award is Feb. 28. There will be a seminar on "Academic Service Learning" by John Strong on Jan. 31. Both School of Extended Learning and IT service are progressing well. The details are summarized in the report.

C. Chancellor (J. Carney III)

Reported on strategic planning, budgetary issues, administrative cost reductions, and the capital campaign. There is about a $6M budgetary problem that has, this year, been distributed across a variety of one-time costs. State support has decreased by $7M while faculty/staff benefit costs have increased by $5M plus a significant increase in fuel costs. The goal is to get into balance without layoffs. The increase in State aid announced would only pay for about half of our benefit cost increases. State appropriations and tuition are the two big parts of our budget. We need to increase revenues and decrease expenses. All administrative units will have to have some budgetary cuts. The guiding principle is to do so while maintaining the academic quality.

UMR is in the quiet phase of a capital campaign that is going well. A review of the progress so far was given. We will need to act more and more like a private university. Enrollment needs to be increased. While engineering will always dominate the campus, we need to be more diversified. A variety of revenues sources needs to be enhanced. The campus needs to think seriously about restructuring. Phasing out our schools/colleges and consolidating programs are important strategies to consider.

The floor was opened for discussion.

The meeting was **adjourned** at about 15.15.

Respectfully submitted,

Frank D. Blum, Secretary, Academic Council

Intercampus Faculty Council (Meeting date: December 15, 2005)
- Non-tenure track faculty
  - o Discussion on this topic by the ad hoc IFC-based committee continued at the January IFC meeting. The second draft of the document is now completed. It will be reviewed at the next IFC meeting and then forwarded to the campuses for consideration. I anticipate that this will occur during March or April.
- Preparation for the Board of Curators Meeting
  - o Budget and Tuition – Nikki Krawitz, Vice President for Finance and Administration reviewed her presentation for the Board, "Proposed Increase in Tuition and Other Related Enrollment Fees – UM." This document highlights the impact and associated budget for 5, 6 and 7% tuition increases. The 6% tuition increase, which will be recommended, will result in a necessary $14.2M expenditure reductions for UM System.
  - o Faculty Activity System – Steve Lehmkuhle, Senior Vice President, reviewed his presentation on faculty activities that he prepared using data from the Faculty Activity System. Highlights for the 2004-2005 academic year (from the four campuses) included a total of 2,960 publications, 220 books published, 4,171 grants, 11,940 courses taught, 16,575 service activities, and 652 awards received. Dr. Lehmkuhle stressed the need for all faculty to input their information into FAS.
  - o I would work with the Academic Council Secretary to see that the information presented by both Vice Presidents is posted on-line at the Academic Council web site.
- Administrative Review
  - o The IFC representatives from the four campuses that were present further discussed the administrative review process, dissemination of results, and the development of best practices in these areas. At next month's meeting, the four campuses are to report on the practices currently used on their campuses.
- President's report at IFC
  - o I reported on the open forum and the suggested administrative realignment involving the elimination of the Dean positions and possible department mergers. I also raised the concern about the possible loss of an important communication channel between the faculty and administration that would be associated with the elimination of the Dean positions. I noted the short timeline between now and the April 1 deadline for Academic Council to give proper consideration to this important issue.
  - o I briefly mentioned the gaming issue (use of a university server to facilitate multiplayer games) and the concern that was voiced to me regarding the possible adverse effect of excessive use of this service on academic performance.
  - o Lastly, I noted that Dr. Gary Ebersole from UMKC had visited with our Budgetary Affairs committee to report on the UMKC efforts into developing meaningful input into the budgeting process.

Referrals (from November, 2005)
The following referrals are still active. These committees will be asked to report on their progress at the February Academic Council meeting. Brief updates are given below.
- Academic Freedom and Standards – Review of the Instructor Drop Policy
- Personnel Committee – Review of Mid-semester Assessment and Teaching Evaluations
- Ad Hoc Committee – Higher Learning Commission Accreditation

- o Committee members have been identified. These members will be announced at the February Academic Council meeting.
- Tenure Committee – Review of Voting on Tenure and Promotion by Faculty with Joint Appointments; the Role of Economic Development in the Tenure Dossier
  - o Dr. John Gardner, Vice President for Research and Economic Development will meet with the Tenure Committee (2 pm) and present a seminar (3:30 pm) in the Department of Materials Science and Engineering on Thursday, February 2.

New Referrals (January, 2006)

- A referral regarding the gaming issue (i.e., use of a university server to support multiplayer games) is being prepared. The Student Affairs committee will be asked review this issue, in particular, the possible impact on academic performance.

Other Campus Issues

- Communication
  - o Thanks to Chancellor Carney for his presentation and question/answers during the Open Forum. For those how were unable to attend, Chancellor Carney's slides may be found through a link at the Academic Council Website (http://campus.umr.edu/acadcoun/ac0506/reports/chanc.1.19.06.pdf). The audio of his presentation is also available.
- Strategic Plan and Administrative Realignment Review
  - o RP&A together with the Budgetary Affairs committee are providing oversight in this area. Various Academic Council committees have been asked to review the five strategic initiatives outlined in the Strategic Plan and to provide insight to the "oversight" committee. I have contacted the Deans' offices to collect information regarding their many duties and services provided to the academic units.
  - o Your input and participation in this process would be welcomed. Please contact me or any of the other officers or committee chairs if you would like to participate. If you simply have thoughts or ideas that you would like to share, but your schedule does not permit more active participation, I welcome your comments at any time.
  - o I will forward all committee chairs and all AC representatives a more detailed letter regarding how we are proceeding in this area before Monday.
- Grade Distribution
  - o My report of Jan. 10, 2006 details the issues associated with this matter. Academic Council should review whether grade distribution is simply sent to Pick-a-Prof.com as required under the state sunshine law, or whether UMR should make this information available to students on-line, per the UMC model. RP&A will review this topic during its next meeting and I would like to see us reach closure on this at the February meeting.
- Provost Search Committee
  - o Kurt Kosbar and Frank Blum were elected at the January meeting to represent the Academic Council on this committee.

Intercampus Faculty Council (Meeting date: December 15, 2005)
- Non-tenure track faculty
  - Discussion on this topic by the ad hoc IFC-based committee continued at the December IFC meeting. Good progress is being made on developing suggested policies in this area and writing the preliminary document that will be reviewed by the full IFC body, and subsequently the four campuses. The document should be disseminated to the campuses within the next two months.
- Administrative Cost Reductions
  - President Floyd provided a copy of the letter that was forwarded to the Chancellors of the four campuses describing the reductions in administrative costs that he proposed. The targeted cost reduction on the UMR campus is $1.08M. Total administrative costs for the four campuses and the President's office are $12M, or approximately 3% of the state budget.
- Budget
  - According to the St. Louis Post Dispatch, based on the $245M excess in revenue over predictions, the Governor will allocate an addition 2% to the UM budget. At the Rolla campus, this may mean an additional $800K in state support (note: this is simply my personal speculation here). I expect that we will hear more on this topic at the next IFC meeting, which is scheduled for January 24.
- Administrative Review
  - Information on common practices from across the country was provided to the IFC representatives following their request at an earlier IFC meeting. An ad hoc committee was formed to develop a document detailed suggested best practices in this area.

Referrals (from November, 2005)
The following referrals are still active. It is anticipated that both the Personnel and Academic Freedom and Standards committees will report at the January Academic Council meeting.
- Academic Freedom and Standards – Review of the Instructor Drop Policy
  - A meeting was held with various stakeholders in the policy, including a representative of Student Council and one of the Deans. There has also been additional discussion on this topic.
  - Legal input has been received from UM system questioning the policy from both contract and constitutional (due process and equal protection) issues. Within this document, the legal department also questioned the authority of Academic Council to adopt such a policy since it was, arguably, not within the authority delegated to it in the Collected Rules & Regulations.
  - The committee will report on their progress at the January Academic Council meeting and will be considering the legal input that has been received in their deliberations on this topic, as well as the related Student Council resolution.
- Personnel Committee – Review of Mid-semester Assessment and Teaching Evaluations
  - The committee will report at the meeting on both the mid-semester assessment approach suggested by Student Council and on faculty salaries, a topic that they have been also been researching.
- Ad Hoc Committee – Higher Learning Commission Accreditation
  - A meeting was held between Harvest Collier and Bob Schwartz to discuss which Academic Council committees should participate in the Higher Learning Commission accreditation process. This is a long term process that is just getting started.

- Tenure Committee – Review of Voting on Tenure and Promotion by Faculty with Joint Appointments
  - o Consideration of voting on tenure and promotion packages by faculty with joint appointments is still under consideration.
  - o Dr. John Gardner, Vice President of Research and Economic Development, will visit UMR and meet with the Tenure committee on February 2 to discuss the consideration of economic development as part of the tenure/promotion package.
  - o Dr. Gardner will also present a seminar that day on the same topic in the Department of Materials Science & Engineering at 3:30 in McNutt 204. All are welcome to attend.

Other Campus Issues
- Communication
  - o Thanks to Chancellor Carney and members of his administration for the series of breakfasts and luncheons in which much fruitful discussion occurred.
  - o Thanks to all Academic Council representatives for being more engaged and for their enthusiasm for shared governance. I deeply appreciate your participation.
- Grade Distribution
  - o A commercial entity, Pick-a-Prof.com, has exercised its legal rights under the state sunshine law to receive grade distribution information for courses taught at UMR. This information is in the form of instructor name, course name and number, and grades (i.e., %A's, %B's, etc.) for each of the courses taught that is populated by more that 10 students. Only students who exercise their rights under FERPA do not have their grade statistics considered in this complied information. While this is new to UMR, it has been going on at UMC. Iin addition to providing this information to Pick-a-Prof.com, at UMC, the grade distribution information is made available on-line to students at one of the university websites. Whether this should also be done at UMR will be considered by the RP&A committee with possible referral to the proper Academic Council committee. It is my personal feeling that we should follow the UMC practice.
- Meeting with the Chancellor
  - o The officers of Academic Council, IFC representatives and the Chair of the RP&A committee met with the Chancellor last week. Topics of discussion included TIF as related to the residents of William's Road, as well as the rumors that are circulating regarding the elimination of the Deans' positions. Regarding the Deans' positions, the Chancellor's email earlier this afternoon noted that this option and other possible reorganization scenarios would be discussed at the open forum scheduled for 2:00 on January 19. I hope you will be able to attend the forum which will occur as the last part of our meeting. We will make every effort to complete our normal business (curriculum review, election of representatives (see below), committee reports, etc.) during the first 30 minutes of the meeting so the forum can start promptly at 2:00.
- Provost Search Committee
  - o At the next meeting, there will be an election of two representatives from Academic Council to serve on this committee. For the interim, I have asked Kurt Kosbar and Frank Blum to represent Academic Council at the first meeting of this committee, which was earlier this afternoon.

Student Council and Council of Graduate Students
- The President of Academic Council met with two representatives of Student Council in December.

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ACADEMIC COUNCIL REPORT

Y. T. SHAH
PROVOST AND
EXECUTIVE VICE CHANCELLOR

JANUARY 19, 2006

ENROLLMENT MANAGEMENT

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UNIVERSITY OF MISSOURI-ROLLA

OFFICE OF THE REGISTRAR
103 Parker Hall
1870 Miner Circle
Rolla, MO 65409-0930
Phone: 573.341.4181
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registrar@umr.edu
campus.umr.edu/registrar

University of Missouri - Rolla
Enrollment Statistics
Spring Semester 2006
January 6, 2006

	WS2004	SP2005	SP2006	Change	
On Campus:					
Close of Registration	4,340	4,304	4,557	253	5.9%
End of First Week	4,447	4,454			
End of Second Week	4,514	4,501			
End of Third Week	4,500	4,510			
End of Fourth Week	4,502	4,516			
Engineering Education Center:					
Close of Registration	76	105	97	-8	-7.6%
End of First Week	78	115			
End of Second Week	80	114			
End of Third Week	91	111			
End of Fourth Week	91	111			
Distance Education:					
Close of Registration	274	290	351	61	21.0%
End of First Week	278	357			
End of Second Week	300	362			
End of Third Week	306	362			
End of Fourth Week	333	379			
TOTAL:					
Close of Registration	4,690	4,699	5,005	306	6.5%
End of First Week	4,803	4,926			
End of Second Week	4,894	4,977			
End of Third Week	4,897	4,983			
End of Fourth Week	4,926	5,006			

UNIVERSITY OF
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UMR - Enrollment Management Services WEEKLY ENROLLMENT REPORT			Fall 2001 (PS Conv) 1/11/2001	Fall 2002 (PS) 1/11/2002	Fall 2003 (PS) 1/11/2003	Fall 2004 (PS) 1/11/2004	Fall 2005 (PS) 1/11/2005	Fall 2006 (PS) 1/10/2006
FRESHMEN	Prospects	Beg. Fr. Prospects	42816	65154	42352	24107	16514	**
		HS Jr. Prospects	10704	10296	4818	3416	4055	3819
	Inquiries	Beg. Fr. Inquiries	9071	12365	10498	9262	9329	10172
		HS Jr. Inquiries	657	5007	3216	3126	2509	3740
	Applications		1332	1491	1456	1540	1602	1785
		Pending	311	189	114	108	138	188
		Withdrawn Apps	0	1	9	0	0	2
	Admitted		1020	1283	1305	1403	1437	1542
		Cancelled Admits	0	6	4	5	2	0
		Denied	1	18	28	29	27	53
	Enrolled		0	0	0	0	0	0
TRANSFERS	Inquiries		371	391	426	831	505	761
	Applications		91	136	114	124	126	133
		Pending	50	66	53	58	66	71
		Withdrawn Apps	0	0	0	0	0	0
	Admitted		40	68	61	63	59	61
		Cancelled Admits	0	0	0	0	0	0
		Denied	1	2	0	3	1	1
	Enrolled		0	0	0	0	0	0
GRADUATES	Inquiries		2847	2001	1483	660	641	967
	Applications		790	1668	1399	622	529	758
		Pending	612	1234	1045	463	401	579
		Withdrawn Apps	0	2	3	1	0	2
	Admitted		157	342	290	118	98	116
		Cancelled Admits	0	0	0	0	0	0
		Denied	21	90	61	40	30	61
	Enrolled		0	0	0	0	0	0
ORIENTATION	Freshmen	Total Reservations	N/A	78	121	225	260	307
	Transfer	Total Reservations	N/A	N/A	N/A	45	4	10
HOUSING AGREEMENTS		Upperclassmen	0	0	0	0	0	0
		Beginning Freshmen	N/A	N/A	N/A	232	301	362
		New Transfers	0	0	0	0	0	0
		TOTAL	0	0	0	0	0	0
4TH WEEK CENSUS		Beginning Freshmen	715	815	897	877	914	0
		New Transfers	231	261	281	288	312	0
		Graduates	395	423	348	402	355	0
		TOTAL	1,341	1,499	1,526	1,567	1,581	0

Unofficial Internal Planning Data - not intended for public release.

PS Conv - PeopleSoft conversion data
PS - data from PeopleSoft system
**Currently working on EOS data loads

UNIVERSITY OF
MISSOURI-ROLLA

	FR M	FR F	SO M	SO F	JR M	JR F	SR M	SR F	TOTAL UG	MAST M	MAST F	DOCT M	DOCT F	TOTAL GRAD	TOTAL MALE	TOTAL FEMALE	YEAR AGO
ROLLA CAMPUS																	
A&S UND	5	3	7	3	9	2	5	2	36	0	0	0	0	0	26	10	36	33
BIO SC	9	9	10	14	7	18	13	32	112	2	10	0	0	12	41	83	124	122
CHEM	9	8	8	9	2	1	7	13	57	2	5	27	19	53	55	55	110	92
CP SC	39	1	46	2	44	2	75	9	218	42	4	10	5	61	256	23	279	302
ENGL	2	1	1	2	3	4	5	14	32	0	0	0	0	0	11	21	32	40
HIST	6	5	2	6	7	5	17	15	63	0	0	0	0	0	32	31	63	55
MATH	0	2	5	6	10	4	8	10	45	5	5	15	4	29	43	31	74	86
PHIL	1	0	1	0	0	1	0	0	3	0	0	0	0	0	2	1	3	2
PHYS	4	1	10	3	7	2	20	3	50	6	2	8	5	21	55	16	71	68
PSYCH	6	6	5	11	4	7	10	16	65	0	0	0	0	0	25	40	65	64
TECH COM	1	1	0	0	0	0	0	1	3	0	4	0	0	4	1	6	7	
A&S	82	37	95	56	93	46	160	115	681	57	30	60	33	180	547	317	864	865
AERO E	0	0	15	4	29	7	62	11	128	12	1	2	1	16	120	24	144	131
ARCH E	0	0	9	3	28	14	34	17	105	0	0	0	0	0	71	34	105	75
CHEM E	1	0	13	5	16	10	36	29	112	2	7	15	6	30	85	57	142	132
CIV E	0	0	15	3	53	10	125	22	228	20	8	15	13	56	228	56	284	245
COMP E	1	0	8	0	35	3	68	1	116	27	5	4	3	39	143	12	155	157
ELEC E	0	0	24	1	74	9	144	16	268	68	12	38	5	123	348	43	391	366
E MGT	1	0	5	3	32	13	48	16	118	31	4	8	7	50	125	43	168	156
E MECH	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1	3
ENGR UND	0	0	1	0	3	0	4	0	8	0	0	0	0	0	8	0	8	12
ENVR E	0	0	2	2	9	2	2	5	22	5	4	0	0	9	18	13	31	23
IND E	1	0	1	1	1	0	1	0	5	0	0	0	0	0	4	1	5	
MANF E	0	0	0	0	0	0	0	0	0	15	2	0	0	17	15	2	17	20
MECH E	2	0	33	0	122	9	217	28	411	53	6	32	3	94	459	46	505	484
SYS E	0	0	0	0	0	0	0	0	0	8	4	0	0	12	8	4	12	4
FR ENGR	402	70	293	70	38	12	6	0	891	0	0	0	0	0	739	152	891	853
ENGR	408	70	419	92	440	89	749	145	2412	241	53	115	38	447	2372	487	2859	2661
BUS&MS	10	13	6	9	17	13	20	15	103	0	0	0	0	0	53	50	103	111
ECON	1	0	0	2	4	0	4	2	13	0	0	0	0	0	9	4	13	7
IS&T	7	3	12	2	24	4	18	3	73	21	8	0	0	29	82	20	102	101
MGT SYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
M&IS UND	2	0	3	0	5	2	2	2	16	0	0	0	0	0	12	4	16	15
M&IS	20	16	21	13	50	19	44	22	205	21	8	0	0	29	156	78	234	235
CER E	1	0	4	3	9	8	15	14	54	2	2	15	2	21	46	29	75	66
GEOL E	1	0	2	0	12	2	11	7	35	2	1	6	1	10	34	11	45	38
GEO & GP	2	1	9	4	8	6	8	8	46	8	5	7	3	23	42	27	69	69
MAT E	0	0	0	0	0	0	0	0	0	7	5	1	3	16	8	8	16	
MET E	0	0	7	1	15	3	21	6	53	9	0	7	1	17	59	11	70	64
M&M UND	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0
MIN E	0	0	10	1	17	6	33	1	68	2	0	6	3	11	68	11	79	80
NUCL E	0	0	14	2	22	1	29	13	81	5	1	1	0	7	71	17	88	77
PETR E	0	0	6	0	6	0	7	1	20	0	0	2	0	2	21	1	22	17
FR ENGR	46	10	33	8	4	1	1	0	103	0	0	0	0	0	84	19	103	91
M&MR	50	11	85	19	93	27	126	50	461	35	14	45	13	107	434	134	568	502
NON DG	12	6	0	1	1	0	3	3	26	2	4	0	0	6	18	14	32	41
CAMPUS TOTAL	572	140	620	181	677	181	1082	335	3788	356	109	220	84	769	3527	1030	4557	4304
EXTENDED LEARNING																		
AERO E	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	2
CIV E	0	0	0	0	0	0	0	0	0	35	8	1	0	44	36	8	44	36
COMP E	0	0	0	0	0	0	0	0	0	4	1	0	0	5	4	1	5	5
CP SC	0	0	0	0	0	0	0	0	0	2	3	0	0	5	2	3	5	6
ELEC E	0	0	0	0	0	0	0	0	0	6	0	0	0	6	6	0	6	8
E MGT	0	0	0	0	0	0	0	0	0	52	22	5	0	79	57	22	79	61
E MECH	0	0	0	0	0	0	0	0	0	4	0	0	0	4	4	0	4	4
ENVR E	0	0	0	0	0	0	0	0	0	2	1	0	0	3	2	1	3	2
GEOL E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
GEO & GP	0	0	0	0	0	0	0	0	0	3	3	1	0	7	4	3	7	2
IS&T	0	0	0	0	0	0	0	0	0	10	1	0	0	11	10	1	11	5
MANF E	0	0	0	0	0	0	0	0	0	9	0	0	0	9	9	0	9	11
MECH E	0	0	0	0	0	0	0	0	0	8	1	2	0	11	10	1	11	9
MIN E	0	0	0	0	0	0	0	0	0	20	2	0	0	22	20	2	22	13
SYS E	0	0	0	0	0	0	0	0	0	147	36	0	0	183	147	36	183	137
NON DG	11	16	0	0	0	0	0	0	27	25	6	0	0	31	36	22	58	58
EXT LEARN TOTAL	11	16	0	0	0	0	0	0	27	327	85	9	0	421	347	101	448	395
UMR TOTAL	583	156	620	181	677	181	1082	335	3815	683	194	229	84	1190	3874	1131	5005	4699

NOTE:
91 CO-OP students are included in the campus total   68 included one year ago
24 CDIS students are included in the distance total   24 included one year ago
97 EEC students are included in distance total   105 included one year ago
84 New transfer students are included in the campus total   90 included one year ago at the end of

UNIVERSITY OF MISSOURI-ROLLA

RESEARCH

UMR

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Research Nuggets....

- Through December:

  → Proposals awarded: $19.1M (up 14.6%)
  → Proposals submitted: $71.0M (down 3.4%)
  → F&A Collection: $3.06M (on target for budget goal)

- New NSF Career Award:

  → Kai-tak Wan, " Interfacing and Integrating Life Sciences and Solid Mechanics"

	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Totals
Biol. Sci.	0	468,232	14,500	0	0	0							482,732
Chem.	45,639	663,230	141,200	37,473	119,208	0							1,006,749
Comp. Sci.	77,275	265,622	0	0	0	5,000							347,897
Engl. & Tech. Comm.	0	0	0	0	0	0							0
Hist./PS	0	0	0	0	0	0							0
Math/Stat	0	59,250	138,030	30,519	0	0							227,799
Phil.	0	0	0	0	1,000	0							1,000
Phys.	0	668,230	0	0	0	0							668,230
Psych.	0	143,428	0	52,083	0	0							195,511
A&S Totals:	122,914	2,267,992	293,730	120,074	120,208	5,000	0	0	0	0	0	0	2,929,918
Materials Sci. & Eng.	480,273	288,500	500,300	1,639,709	454,211	54,000							3,416,992
Mining & Nuclear Eng.	437,669	60,000	55,463	939,871	28,975	0							1,521,979
Geol. Sci. & Engr.	212,523	212,523	95,376	25,233	245,150	55,250							846,055
SoMEER	1,130,465	561,023	651,138	2,604,814	728,336	109,250	0	0	0	0	0	0	5,785,026
Interdisciplinary Engr	0	2,000	66,647		25,848	0							94,495
Chem & Biol. Engr.	4,000	335,126	36,516	17,769	7,000	0							400,410
Civil, Arch. & Env. Engr.	746,108	65,992	539,659	745,685	183,000	270,314							2,550,759
ECE	342,760	465,560	231,351	380,843	181,940	595,336							2,197,790
Engr. Mgt.	36,163	33,245	0	246,786	0	0							316,193
MAEM	114,501	239,049	407,303	1,102,624	258,250	47,107							2,168,834
SOE Totals	1,243,532	1,140,971	1,281,476	2,493,707	656,038	912,757	0	0	0	0	0	0	7,728,481
Econ. & Finance	0	0	0										0
Business Admin.	0	143,428.00	0										143,428
Info Sci. & Tech.	384,622	0	60,000										444,622
Dean's Office	850,015	9,197	0										859,212
SMIS	1,234,637	152,625	60,000	0	0	0	0	0	0	0	0	0	1,447,262
													0
Enrollment Mgt													0
International Affairs													0
Minority Affairs			14,000										14,000
Other		311,431			152238	60,000							523,669
RPDC		255,000			350494								605,494
KUMR	60,277					87,612							147,889
Grand Totals:	3,791,824	4,689,042	2,300,344	5,218,595	2,007,314	1,174,619	0	0	0	0	0	0	19,181,739

14.6% growth over FY05

Total: $1

FY 06: Proposals Submitted through October

	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Totals
Biol. Sci.	0	295,354	478,208	1,729,264	108,288	54,201							2,665,314
Chem.	38,500	154,984	160,922	510,119	2,483,731	153,644							3,501,900
Comp. Sci.	70,015	383,471	0	714,056	240,876	365,293							1,773,711
Engl. & Tech. Comm.	0	108,488	0	0	0	0							108,488
Hist./PS	0	0	0	0	0	0							0
Math/Stat	0	483,795	144,754	196,324	0	0							824,873
Phil.	0	295,354	0	0	1,000	0							296,354
Phys.	2,000	300,354	158,135	198,860	750,817	100,000							1,510,166
Psych.	0	251,916	0	93,750	62,733	0							408,399
A&S Totals	110,515	2,273,715	942,018	3,442,373	3,647,445	673,139	0	0	0	0	0	0	11,089,205
Materials Sci. & Eng.	463,122	507,406	368,886	6,216,589	1,897,603	405,469							9,859,074
Mining & Nuclear Eng.	9,989	1,168,004	141,902	2,417,098	2,649,956	1,590,365							7,977,313
Geol. Sci. & Engr.	265,559	210,464	210,122	280,728	45,150	126,634							1,138,657
SoMEER	738,670	1,885,874	720,910	8,914,414	4,592,709	2,122,468	0	0	0	0	0	0	18,975,044
Interdisciplinary Eng	0	628,421	877,889		185,831	0							1,692,141
Chem & Biol. Engr.	274,119	337,969	1,310,145		0	39,998							1,962,231
Civil, Arch. & Env. Engr.	1,211,200	3,387,518	687,011	840,021	1,863,538	1,049,510							9,038,797
ECE	2,501,560	1,705,849	1,248,595	1,731,105	1,793,767	1,296,129							10,277,005
Engr. Mgt. and System Eng	0	663,312	94,598	885,636	0	1,053,457							2,697,003
MAEM	1,564,678	1,703,347	1,301,885	1,674,549	5,926,721	116,251							12,287,430
													0
SOE Totals	5,551,557	8,426,415	5,520,122	5,131,311	9,769,857	3,555,344	0	0	0	0	0	0	37,954,606
Econ. & Finance		0	0		12,500	0							12,500
Business Admin.		184,557	0		0	44,406							228,963
Info Sci. & Tech.		98,451	21,721		6,000	22,203							148,376
Dean's Office	850,015	0											
SMIS	850,015	283,008	21,721	0	18,500	66,609	0	0	0	0	0	0	1,239,854
Enrollment Mgt													0
UMR Global		13,710											13,710
Grad/UG Studies													0
Other		443,919			633,555								1,077,474
RPDC	605,494												605,494
KUMR						87,612							87,612
Grand Totals.	7,856,251	13,326,641	7,204,771	17,488,099	18,662,066	6,505,172	0	0	0	0	0	0	7...

3.4% compared to FY05

Total:

UNDERGRADUATE AND GRADUATE STUDIES

UMR

UMR

Academic Advising Conference

<u>The Voyager Learning Community</u>

January 11, 2006
11:00 AM – 12:00 PM
Turner Room
Havener Center

The Voyager Learning Community is a residential learning community for first year students at UMR. Voyager helps new students adjust to college life by providing a community in which students live together and learn together.

Participants in this conference will gain a better understanding of the activities within the Voyager program and the benefits to the Voyager students. Knowledge of this first year program will assist faculty in advising new students at UMR.

Achieving Academic Excellence

- **A 6-week session for UMR students who wish to achieve greater academic and career success!**
  Jan. 18- Feb. 20

- **Invited Participants- UMR students who are currently on academic probation or academically deficient.**

Faculty Participation:
Harvest Collier
Diana Ahmad
Ralph Flori
Larry Gragg

Participants will learn how to:

Develop self-confidence and increase self-motivation, improve personal self-management, develop time management skills, use textbooks more effectively, develop good study skills and maximize learning, develop note-taking skills, and develop strategies for managing stress and preparing for exams.

UMR

Center for Educational Research & Teaching Innovation (CERTI)

January 5

- **Faculty Workshop - Collaborative Learning - Karl Smith** 8:00 AM-11:30 AM
- **Faculty Workshop - Integrating Collaborative Learning in Course Design** 1:00 PM-5:00 PM

January 6

- **Faculty Workshop - Assessing Effectiveness of Collaborative Learning & Educational Research** 8:00 AM-12:00 PM

January 10

- **GTA Workshop - Handling Hot Moments in the Classroom** 3:00 PM-5:00 PM

Master Student Fellowship Program

UMR

- An accelerated program for outstanding scholars at UMR
- Students earn a bachelor's degree and master's degree at the same time.

2005-06 Participants

UMR Students	Academic Advisors
Jared Bouquet, Freshman Eng.	Nancy Hubing, Freshman Eng.
Matthew Chandler, Mechanical Eng.	Umit Koylu, Mechanical Eng.
Tyler Fears, Physics/Chemistry	Ron Fannin, Basic Eng.
Kevin Knocke Jr., Aerospace Eng.	Y. Rosa Zheng, Aerospace Eng.
Kevin Moss, Electrical Eng.	Cheng Wu, Electrical Eng.
Navish Nagesh, Aerospace Eng.	Keith Nisbett, Aerospace En
Lauren Rose, Aerospace Eng.	

Outstanding Academic Advising Awards

The Office of Undergraduate and Graduate Studies is accepting nominations for the:

2005-06 Outstanding Academic Advisor Awards

- All students, faculty and staff are welcome to nominate any faculty or staff member who serves as an academic advisor to UMR students.
- The deadline for nominations is **February 28, 2006**.
- Detailed information, including nomination forms, is available on-line at:
  http://campus.umr.edu/ugs/advisorrecognition.htm

Service Learning Program

The *UMR Service Learning Advisory Committee* recently developed the following:

- Mission Statement
- Definition of Service Learning
- Criteria for Academic Service Learning (AS-L) Courses at UMR
- Faculty Fellows Program
- Details are Available on the UMR Service Learning Web Site at:
  http://campus.umr.edu/ugs/Service_Learning.html

Service Learning Program

"**Academic Service Learning**"

Presented By

Dr. John Strong
Missouri State University,

Executive Director
Missouri Campus Compact

January 31, 2006
11:00 am – 12:00 pm
Silver & Gold Room
UMR Havener Center

Sponsored by the Office of Undergraduate & Graduate Studies

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Undergraduate Research Conference
A Celebration of Experiential Learning at UMR
April 12, 2006

- **Call for Papers:
  Oral & Poster Sessions**

- **First ($750), second
  ($500) and third ($250)
  place prizes will be
  awarded in each
  category**

- **Submissions are due
  by MARCH 16, 2006.**

Oral Session Categories	Poster Session Categories
I. Engineering II. Humanities/Social Sciences III. Management & Information Systems IV. Natural Sciences	I. Engineering II. Humanities/ Social Sciences III. Management & Information Systems IV. Natural Sciences V. Research Proposals

**Download the registration materials at:
http://campus.umr.edu/ugs/UGRC.html**

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Voyager Learning Community

January Seminar Series:

- Jan. 9-"Welcome Back- Kick Off",
  Vice Provost Harvest Collier, Undergraduate & Graduate Studies

- Jan. 11- "Sliding Through the Semester: Are You Ready?",
  Tammy Pratt, Counseling & Academic Support Programs

- Jan. 17- "Good Interview /Bad Interview...You be the Judge!",
  Michelle Robinson-Adams, Career Opportunities Center

- Jan. 26- "Show me the Money!",
  Chris Standifer, Financial Aid

- Jan. 30- "Networking & You" ,
  LaKeisha Wheaton, Career Opportunities Center

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SCHOOL OF EXTENDED LEARNING

School of Extended Learning

1. The International Affairs Office welcomed over 50 new international students to the UMR campus during its January 3, 2006 orientation. While this does not represent the entire group admitted for the semester, the number showing up for this event does give a preliminary indication that the incoming class will be slightly larger than the corresponding class for the Spring semester of 2005.

2. The number of international students enrolled in English as a Second Language courses taught by faculty in the UMR Applied Language Institute grew to 34 by the end of FS 2005. Of this number, seven (7) completed their required language training and were certified to begin their academic coursework. Eight (8) more students made sufficient progress so that they were allowed to enroll part time in their academic programs while 19 remained in the language program and will be joined by a new group of students at the start of classes in January.

3. A panel of UMR faculty members consisting of Drs. S.N. Balakrishnan, Kakkattukuzhy Issac, Morris Kalliny, Daopu Numbere, Judy Raper, and Sahra Sedighsarvestani and moderated by Dr. Hal Nystrom answered a wide range of student questions during the annual "Tastes of the World" event on November 17, 2005.

School of Extended Learning

4. International enrollments continue to be a concern. While preliminary numbers for new admissions in WS 2006 indicate a slight increase over WS 2005, the table on the following page shows an overall decline.

5. Efforts by the academic departments, Admissions and the International Affairs Office have resulted in an increasing yield from the student pool establishing contact with UMR, however, competition is increasing among both US universities and other international locations to attract these students. The clear message is that UMR needs to remain aggressive in its recruiting efforts if it is to maintain a strong pool of qualified graduate students.

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School of Extended Learning

UMR International Fall Enrollment by School/College

SCHOOL/COLLEGE	UNDERGRADUATE						GRADUATE						TOTAL					
	FS2000	FS2001	FS2002	FS2003	FS2004	FS2005	FS2000	FS2001	FS2002	FS2003	FS2004	FS2005	FS2000	FS2001	FS2002	FS2003	FS2004	FS2005
Arts & Science	29	42	26	33	22	9	91	120	140	133	125	109	120	162	166	166	147	118
Engineering	78	82	81	63	63	58	326	408	487	419	306	290	404	490	568	482	369	348
Materials, Energy & Earth Resources	11	9	6	4	4	8	49	54	60	61	55	69	60	63	66	65	59	77
Management & Information Systems	5	6	10	7	8	10			8	12	13	11	5	6	18	19	21	21
Non-Divisional									1	17	4	1			1	17	4	1
Grand Total	123	139	123	107	97	85	466	582	696	642	503	480	589	721	819	749	600	565

School of Extended Learning

- The Distance and Continuing Education Office has coordinated and provided support services for the Expanding Your Horizons effort that has been held on the UMR campus for several years. Thanks to the efforts of Drs. Lutz and Crow and many individuals from various departments on campus, the attendance has grown dramatically. This past November's event set a new record that actually stretched the capacity of the campus facilities. The results are shown below.

- **Expanding Your Horizons Speaker and Attendance Summary**

Janet Kavandi,	NASA Astronaut	200
Sandra Magnus,	NASA Astronaut	157
Jean Holley,	VP and CIO, USG Corporation	372
Gail Hahn,	The Boeing Corporation	348
Joan Woodard,	Exec. VP & Deputy Director, Sandia Nat. Labs.	478
Linda Wright,	Sr. Advisor of Planning Coordination, Exxon Mobil Chemical	559

INFORMATION TECHNOLOGY

Information Technology

Applications/Enterprise Reporting
- Documentum version 5.3 formatting enhancements placed into production
  - » *Superscript*
  - » *Subscript*
  - » *Text color*
  - » *Highlight*
  - » *Horizontal rule*
- Enhancements made to campus search engine
  - » Content and keywords added to meta tags thus increasing likelihood of results that match search criteria

Networks and Computing
- Voice-Over IP Telephony Project
  - » Over 600 VoIP phones deployed
  - » Engineering Management deployment completed
  - » McNutt Hall deployment completed
  - » Interdisciplinary Engineering schedule for February 15 deployment
- Cisco Meeting Place Technology pilot with UMC
  - » Video conferencing and web presentation solution
- Fax service coming mid-January
  - » Integrated solution allows customers to receive faxes in Outlook inboxes

Solutions Center
- Desktop Enhancement
  - » 919 machines have been inventoried to date for FY2005 – FY2007
  - » FY2005 complete with 297 machines deployed
  - » FY2006 underway with 47 machines deployed
- Technology Classroom Enhancement Program
  - » 52 Seat UCE Technology Classroom fully implemented with 24X7 access
  - » 18-seat Technology Classroom implemented in McNutt (130) Hall
    - – Open for classes
- Installation of a new standard solution for a general use Technology Classroom in Computer Science room 209
  - » This solution consists of a mobile instructor's station (computer, Eztrol – for control of projector, sound, video feeds, a DVD/VCR combo) and a fixed projector
- Work started on an iPod proof of concept
  - » Use of pod casting as an enhancement to the classroom experience

Project Management
- Planning under way for Student Information Network/Campus Information Network

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Memo To: Academic Council
From: UMR Campus Curriculum Committee Meeting
RE: December 6, 2005 & January 3, 2006 meetings

The UMR Campus Curricula Committee recommends to the Academic Council that the curriculum changes and degree proposals on the following DC forms be approved.

Approved DC forms:
DC 0171, College of Arts and Sciences, Multiculturalism & Diversity, approved effective Fall 2006. A proposal to create a new minor under The College of Arts and Sciences called Multiculturalism & Diversity.

DC 0173, College of Arts and Sciences, Biological Sciences, approved effective Fall 2006. A proposal to modify the current curriculum for the BA and BS in Biological Sciences by adding a required course Bio Sci 111.

DC 0174, School of Engineering, Systems Engineering, approved effective Fall 2006. A proposal to create a new Ph.D. in Systems Engineering.

DC 0175, SM&IS, Business Administration, approved effective Spring 2006.
A proposal to change the name of the Business and Management System minor to Business. Also, change the requirements by removing Bus 230, adding Psych 50 and Bus 240, and only one of Econ 121 or Econ 122 are required.

DC 0176, SM&IS, Business Administration, approved effective Spring 2006.
A proposal to create a new minor in Marketing

DC 0177, SM&IS, Business Administration, approved effective Spring 2006.
A proposal to create a new minor called Pre MBA.

DC 0178, College of Arts and Sciences, Biological Sciences, Computer Science, Math and Statistics, approved effective Fall 2006.
A proposal to create a new Master of Science in Bioinformatics (with thesis and non-thesis options).

DC 0179, SM&IS, Business Administration, approved effective Spring 2006.
A proposal to create four new emphasis areas: E-Commerce, Finance, Human-Computer Interaction (HCI), and Marketing and also delete the Business Administration emphasis area. Approved effective Fall 2006 a proposal to modify the existing Enterprise Resource Planning emphasis by removing IST 346 and replace with IST 349/Bus 316.

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DC 0180, SM&IS, Business Administration, approved effective Spring 2006.
A proposal to modify the current curriculum for the BS in Business and Management Systems by removing IST 286 and replacing it with IST 346.

DC 0181, College of Arts & Sciences, Technical Communication, approved effective Fall 2006.
A proposal to change the requirements for the MS in Technical Communication.

The UMR Campus Curricula Committee recommends to the Academic Council that the course changes on the following CC forms be approved.

Approved CC forms:
CC 6063, English 353, Early Nineteenth Century Poetry. The following changes are approved effective Spring 2006.
Course Title – Proposed: British Romantic Literature
Catalog Description – Proposed: A study of the prose and poetry of the British Romantic period, 1775 to 1832.

CC 6064, English 355, Later Nineteenth Century Poetry. The following changes are approved effective Spring 2006.
Course Title – Proposed: Victorian Literature
Catalog Description – Proposed: A study of British prose and poetry from 1832 to 1900.

CC 6072, Bio Sci 118, Plant Biology. The following change is approved effective Fall 2006.
Prerequisite – Present: Bio 100
　　　　　　　　Proposed: Bio 110 or Bio 111

CC 6073, Bio Sci 241, Human Anatomy. The following change is approved effective Fall 2006.
Prerequisites – Present: Bio 110
　　　　　　　　Proposed: Bio 110 or Bio 111

CC 6074, Bio Sci 328, Nutritional and Medical Properties of Plants. The following change is approved effective Fall 2006.
Prerequisites – Present: Bio 110 and Bio 211
　　　　　　　　Proposed: Bio 110 or Bio 111; and Bio 211

CC 6075, Bio Sci 342, Exercise Physiology. The following change is approved effective Fall 2006.
Prerequisites – Present: Bio 110
　　　　　　　　Proposed: Bio 110 or Bio 111

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CC 6076, Bio Sci 352, Biological Effects of Radiation. The following change is approved effective Fall 2006.
Prerequisites – Present: Bio 110 and Chem 3
Proposed: Bio 110 or Bio 111; and Chem 3

CC 6077, Bio Sci 391, General Virology. The following change is approved effective Fall 2006.
Prerequisites – Present: Bio 110, 211, 221, Chem 1, 3, 221
Proposed: Bio 110 or 111; Bio 211, 221, Chem 1, 3, 221

CC 6078, Speech 265, Leadership Communication. The following change is approved effective Spring 2006.
Prerequisites – Present: S&M 150, 181
Proposed: S&M 181, 250

CC 6079, Ceramic Engineering 445, Instructional Education for Graduate Students. Course deletion approved effective Spring 2006.

CC 6080, Ceramic Engineering 444, Instructional Education for Graduate Students. Course deletion approved effective Spring 2006.

CC 6081, Psychology 220, Psychology of Sensation & Perception. The following changes are approved effective Spring 2006.
Course Number – Proposed: 340
Course Title – Proposed: Sensation & Perception
Catalog Description – Proposed: An in-depth examination of the human senses, with special emphasis on vision and hearing. Topics include the anatomy and physiology of the eye and ear, neural transduction, the organization and interpretation of sensory signals by the brain, selective attention, and the neural basis of the perception of color, form, space, depth, motion, music, and language.

CC 6082, Psychology 330, Neuroscience. The following change has been approved effective Spring 2006.
Catalog Description – Proposed: The neurophysiological bases of behavior and cognition are examined. Topics covered include neuroanatomy, neurophysiology, neurotransmission, neuropharmacology, vision, hearing and language, motivated behavior (e.g. eating, drinking, and sexual behavior), learning and memory, cognition and consciousness, and neurologic/psychiatric disorders.

CC 6084, Chemical Engineering 120, Chemical Engineering Material Balances. The following changes are approved effective Spring 2006.
Course Title – Proposed: Chemical Engineering Material & Energy Balances

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Catalog Description – Proposed: The application of mathematics, physics and chemistry to industrial chemical processes. The use of equations of state, chemical reaction stoichiometry, and the conservation of mass and energy to solve chemical engineering problems.

CC 6085, Chemical Engineering 145, Chemical Process Materials. The following changes are approved effective Spring 2006.
Catalog Description – Proposed: Fundamentals of the chemistry of materials. Classification, properties, selection, and processing of engineering materials. Introduction to polymers, electronic materials, biomaterials, and nanomaterials.
Prerequisites – Present: Math 15, Physics 23; preceded or accompanied by Chem 221
Proposed: Math 15 (21), Physics 23

CC 6086, Chemical Engineering 231, Chemical Engineering Fluid Flow. The following changes are approved effective Spring 2006.
Catalog Description – Proposed: Mass, energy, and momentum balance concepts in fluid flow are studied to provide a basis for study of flow measurement, fluid behavior, turbulent flow, dimensional analysis of fluid flows, and the study of some practical flow processes such as: filtration, fluidization, compressible flow, pipe networks.
Prerequisites – Present: Ch Eng 120 and Math 204, Physics 23
Proposed: Ch Eng 120, Math 204, Physics 23

CC 6087, Chemical Engineering 281, Chemical Engineering Reactor Design. The following changes are approved effective Spring 2006.
Catalog Description – Proposed: The study of chemical reaction kinetics and their application to the design and operation of chemical and catalytic reactors.
Prerequisites – Present: Ch Eng 223 or Chem Eng 263; preceded or accompanied by Chem Eng 247
Proposed: Ch Eng 237 or Chem Eng 263

CC 6088, Electrical Engineering 385, Patent Law. Course deletion approved effective Spring 2006. Co-listed courses in Chem Eng, Civ Eng, and Eng Mgt are not being deleted.

CC 6089, Engineering Management 460, Advanced Topics in Simulation Modeling. New course approved effective Spring 2006.
Catalog Description: Design and analysis of distributed systems using discrete-event simulations and synchronization of distributed models. Design and implementation of finite state automata and simulation models as control execution systems. Functioning of real-time, agent-based, and multipass simulations.
Credit Hours: 3 hour lecture
Prerequisites: Emgt 356 or Graduate Standing

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CC 6090, Mining Engineering 315, Advanced Mine Health and Safety. New course approved effective Spring 2006.
Catalog Description: A detailed study of health and safety principles, practices, analyses, regulations, issues and technology in the mining industry.
Credit Hours: 3 hour lecture
Prerequisites: Min Eng 151

CC 6091, Chemistry 432, Bioinorganic Chemistry. New course approved effective Fall 2006.
Catalog Description: Metallobiomolecules, including metalloenzymes and other metalloproteins; oxygen carriers; iron transport and other iron proteins; copper proteins; cancer agents and cures; nitrogenfixation, etc.
Credit Hours: 3 hour Lecture
Prerequisites: Chem 331

CC 6092, Business 240, Basic Marketing. The following change is approved effective Spring 2006.
Prerequisites – Present: Bus 110, Econ 121 or 122, and English 65
                 Proposed: Psych 50; Econ 121 or 122; and English 60, 65, or 160

CC 6094, Electrical Engineering 352, Photovoltaic Systems Engineering. New course approved effective Fall 2006.
Catalog Description: Physics and characteristics of photovoltaic (solar) cell technologies, electronic control of alternative energy sources, site selection, array design, energy storage methods, electrical code compliance, stand-alone systems, grid-intertie systems, legal and economic.
Credit Hours: 3 hour Lecture
Prerequisites: Senior or graduate standing in Science or Engineering

CC 6095, IDE 490, Research. New course approved effective Spring 2006.
Catalog Description: Investigations of an advanced nature leading to the preparation of a thesis or dissertation.
Credit Hours: 0-6
Prerequisites: Consent of instructor

CC 6096, Architectural Engineering 205, Illumination for Buildings. The following changes are approved effective Spring 2006.
Course Title – Proposed: Building Electrical and Lighting Systems
Catalog Description – Proposed: Design and specifications for interior and exterior building electrical and illumination systems, including electrical and lighting loads, branch circuits, grounding and switching. Work includes study of applicable NFPA 70 (NEC) and related building codes.

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CC 6097, Chemical Engineering 425, IDE 425, Civil Engineering 485, Environmental Engineering 485, Electrical Engineering 481, Computer Engineering 481, Philosophy of Scientific Research. New course approved effective Fall 2006.
Catalog Description: Organization and planning of research. Introduction to the philosophy and management of scientific research, particularly issues related to ethics, plagiarism, ownership of intellectual properties, research techniques, technical presentations and time management. The course will address these issues by integrating with case studies.
Credit Hours: 3 hour Lecture
Prerequisites: None

CC 6098, Biological Sciences 454, Advanced Freshwater Ecology. New course approved effective Fall 2006.
Catalog Description: The ecology of streams, lakes, and wetlands. The course will cover the physical and chemical characteristics of freshwater environments, the diversity of life in freshwaters, biogeochemical processes, and threats to freshwater systems. Research proposal and additional readings required for graduate credit.
Credit Hours: 3 hour Lecture
Prerequisites: Graduate Student Standing

CC 6099, Biological Sciences 354, Freshwater Ecology. New course approved effective Fall 2006.
Course Description: The ecology of streams, lakes, and wetlands. The course will cover the physical and chemical characteristics of freshwater environments, the diversity of life in freshwaters, biogeochemical processes, and threats to freshwater systems.
Credit Hours: 3 hour Lecture
Prerequisites: Bio Sci 251

CC 7000, Metallurgical Engineering 307, Metals Casting. The following changes are approved effective Fall 2006.
Catalog Description – Proposed: An advanced course in the materials and methods used in modern metals casting processes. Application of metallurgical principles to the casting of metals. Design of castings and metals casting mold features using commercial casting process simulation software.
Credit Hours – Present: 2 hour lecture
                   Proposed: 3 hour lecture

CC 7003, Geology 372, Geological Field Studies. The following change has been approved effective Spring 2006.

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Catalog Description – Proposed: Intensive field study of selected regions of geological interest. This course is built around a week to ten-day long field trip to be held over spring break or after final exams at the end of the semester. Students are expected to bear the expense of the field trip. Repeatable for credit.

CC 7004, Nuclear Engineering 221, Reactor Fluid Mechanics. The following change is approved effective Fall 2006.
Prerequisites – Present: Math 204, IDE 110
            Proposed: Math 204, Junior standing

CC 7007, Computer Engineering 367, Electrical Engineering 367, Computational Intelligence. New course approved effective Fall 2006.
Catalog Description: Introduction to Computational Intelligence, Artificial Neural Networks, Evolutionary Computing, Swarm Intelligence, Fuzzy Systems, and Hybrid Systems. Evolutionary Computing would be briefly introduced in order to utilize their techniques to train ANNs.
Credit Hours: 3 hour lecture
Prerequisites: Statistics 217

CC 7008, Computer Engineering 342, Real-Time Digital Signal Processing. The following changes are approved effective Fall 2006.
Catalog Description – Proposed: Introduction to the use of programmable DSP chips. Includes real-time data acquisition, signal generation, interrupt-driven programs, high-level language, and assembly level routines. Applications to real-time systems are also presented.
Credit Hours – Present: 3 hour lecture
            Proposed: Lecture: 2 Lab: 1 Total: 3

CC 7009, Electrical Engineering 347, Computer Engineering 347, Machine Vision. The following change has been approved effective Fall 2006.
Co-listing: Computer Engineering 347

CC 7010, Civil Engineering 248, Architectural Engineering 248, Fundamentals of Contracts and Construction Engineering. The following change is approved effective Fall 2006.
Prerequisites – Present: Junior Standing
            Proposed: Senior Standing

CC 7011, Civil Engineering 262, Environmental Engineering 262, Biological Fundamentals of Environmental Engineering. The following change is approved effective Spring 2007.
Prerequisites – Present: Bio 211 and preceded or accompanied by Civ/Env En 261
            Proposed: Bio 110 and preceded or accompanied by Civ/Env En 261

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CC 7012, Business 341, Marketing Strategy. New course approved effective Fall 2006.
Catalog Description: Identification and analysis of strategic managerial marketing issues. Integration of marketing concepts through theoretical overview and practical analysis, including extensive use of simulation.
Credit Hours: 3 hour lecture
Prerequisites: Bus 240 or Eng Mg 251

CC 7013, Mining Engineering 408, Ore Reserve Analysis and Geostatistics. The following changes are approved effective Fall 2006.
Course Number – Proposed: 312
Prerequisites – Present: Mi Eng 270
            Proposed: Math 22, Math 204, Stat 213

CC 7021, Computer Engineering 347, Machine Vision. New course approved effective Fall 2006.
Catalog Description: Image information, image filtering, template matching, histogram transformations, edge detection, boundary detection, region growing and pattern recognition. Complementary laboratory exercises are required.
Credit Hours: 3 hour lecture
Prerequisites: Elec Eng 267
Co-listing: Elec Eng 347

For the information of the Academic Council, the following EC forms have been submitted by the University departments for an experimental course that will be offered in the near future.

Approved EC forms:
EC 1728, Physics 301, Chaos, Fractals, and Non-Linear Dynamics, approved effective Spring 2006.
Course Description: An introduction into nonlinear dynamics, deterministic chaos, and fractals. Topics covered are phase plane analysis, iterated maps, routes to chaos,

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Lyapunov exponents, strange attractors and pattern formation. Applications include chaotic vibrations, population dynamics, chemical oscillations and lasers.
Credit Hours: 3 hour lecture
Prerequisites: Math 204; Phys 24, Phys 25

EC 1731, Engineering Management 401, Global Project Management, approved effective Spring 2006.
Course Description: In depth and advanced topics in project management including project management methodologies, strategic planning for excellence, project portfolio management, integrated processes, culture, and behavioral excellence; normally includes a hands-on group project.
Credit Hours: 3 hour Lecture
Prerequisites: Emgt 361

EC 1732, Math 301, Economics 301, Financial Mathematics, approved effective Spring 2006.
Course Description: The course objective is to provide an understanding of the fundamental concepts of financial mathematics and their application to calculating present and accumulating value for streams of cashflow. Topics include pricing, assets-liability management, capital budgeting, valuing cash flow.
Credit Hours: 3 hour lecture
Prerequisites: Math 15 or Math 21; Econ 221, Econ 222; Econ 250 or Econ 321; Stat 211 or Stat 213 or Stat 215 or Stat 217 or Stat 343

EC 1733, Metallurgical Engineering 301, Principles for Materials by Design, approved effective Spring 2006.
Course Description: The course will introduce the basics of microstructural principles that can be used to design advanced materials. This course will help students learn about the basic principles and microstructural design approaches. It will also introduce the benefits of 'systems' approach in materials design: Processing_Microstructure_Properties_Performance.
Credit Hours: 2 hour lecture
Prerequisites: Senior Standing, Met 217 or equivalent

EC 1734, Biological Sciences 301, Functional Genomics and Proteomics, approved effective Fall 2006.
Course Description: This course is to introduce new methodologies of functional genomics and proteomics, and applications of these new methodologies. Recent research results will be examined in the course. Student presentations are required.
Credit Hours: 3 hour lecture
Prerequisites: Bio Sci 211, Chemistry 361, Bio Sci 331

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EC 1735, Biological Sciences 401, Advanced Functional Genomics and Proteomics, approved effective Fall 2006.
Course Description: This course is to introduce new methodologies of functional genomics and proteomics, and applications of these new methodologies. Recent research results will be examined in the course. Graduate students will be challenged to improve these methodologies. Student presentations are required.
Credit Hours: 3 hour lecture
Prerequisites: Bio Sci 211, Chemistry 361, Bio Sci 331

EC 1736, Aerospace Engineering 401, Thermo-Fluid Dynamics of Advanced Aero-Propulsion Systems, approved effective Spring 2006.
Course Description: This course will provide technically intensive descriptions and analysis of conventional, non-conventional, and advanced aerospace propulsion systems and propulsion system performance from the standpoint of fundamental thermodynamics and fluid/gas dynamics.
Credit Hours: 3 hour lecture
Prerequisites: AE 335 or ME 325

EC 1737, Mechanical Engineering 301, Applied Anisotropic Linear Elasticity, approved effective Fall 2006.
Course Description: This course will introduce modern developments in anisotropic linear elasticity. The emphasis will be on calculation and problem-solving, rather than on purely theoretical considerations.
Credit Hours: 3 hour lecture
Prerequisites: IDE 110, and basic knowledge of Matrix Algebra

EC 1738, Civil Engineering 401, Physico-Chemical Phenomena in Soils, approved effective Spring 2006.
Course Description: Soil mineralogy, especially for clays, soil formation, deposits, and composition are included. Soil water effects, clay-water-electrolyte interactions, soil fabric and structures, stresses, non-saturated soil mechanics, volume change behavior, predicting vertical rise, conduction and electro chemical effects are covered.
Credit Hours: 3 hour lecture
Prerequisites: CE 315

EC 1739, Computer Engineering 401, Electrical Engineering 401, Intelligent Telecommunication Network Modeling, approved effective Spring 2006.
Course Description: Modeling is a critical part of the design of modern telecommunication networks and routing protocols. There is an emerging need to incorporate techniques from computational intelligence into this process. This course explores their application and interactions.
Credit Hours: 3 hour lecture

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Prerequisites: EE 267, 268, 243, 368

EC 1740, Civil Engineering 301, International Senior Design, approved effective Spring 2006.
Course Description: A multi-disciplinary (CE, ArchE, Env E) engineering design course focused on sustainable design and technology transfer to developing countries. Course includes elements of traditional capstone design classes. Experiential learning through field work is a major component of the class. Can be used to substitute for ArchE/CivE 298.
Credit Hours: 3 hour lecture
Prerequisites: Senior standing, final semester, Instructor approval

EC 1741, Civil Engineering 401, Retrofit of Monuments and Base Isolation, approved effective Spring 2006.
Course Description: Design of masonry structures and monuments from historical documents. Structural elements (floors, roofs, vaults and masonry piers) in historical constructions. Rehabilitation of structural elements with traditional techniques. Principles of base isolation design. Design of rubber bearings. Base isolation for retrofitting with examples.
Credit Hours: 3 hour lecture
Prerequisites: CE/ArchE 217 and Graduate standing

EC 1742, System Engineering 401, System Engineering Management, approved effective Spring 2006.
Course Description: This course covers modern methods of effective management of complex systems, and systems of systems. Effective team building and integrated product and process development in a diverse and global work environment is the central theme of the course. Topics to be covered include leadership, quality tools and associated philosophy, concurrent engineering, communication and performance evaluation.
Credit Hours: 3 hour lecture
Prerequisites: Graduate Standing

EC 1743, System Engineering 401, Complex Engineering Systems Project Management, approved effective Spring 2006.
Course Description: Explores issues related to planning, scheduling, and controlling complex engineering projects. Issues specific to distributed project planning and control, development of Systems Engineering Management Plan, Integrated Master Schedule and Integrated Master Plan, and monitoring technical performance, schedule and risk will be discussed.
Credit Hours: 3 hour lecture
Prerequisites: Graduate Standing

UNIVERSITY OF MISSOURI-ROLLA

OFFICE OF THE REGISTRAR
103 Parker Hall
1870 Miner Circle
Rolla, MO 65409-0930
Phone: 573.341.4181
Fax: 573.341.4362
registrar@umr.edu
campus.umr.edu/registrar

EC 1744, System Engineering 401, Economic Analysis of Systems Engineering Projects, approved effective Spring 2006.
Course Description: Economic evaluation of complex engineering system alternatives using engineering economic analysis; quantitative techniques for evaluating non-monetary consequences; life cycle costing, formal treatment of risk, uncertainty, and project cost monitoring.
Credit Hours: 3 hour lecture
Prerequisites: Graduate Standing

EC 1745, Biological Sciences 401, Advanced Toxicology, approved effective Spring 2007.
Course Description: A study of natural and man-made toxicants, various possible routes of exposure, absorption, distribution, biotransformation, specific target sites, and mechanisms involved in elicitation of toxic effects, as well as detoxification and excretion. Independent research projects and primary literature readings required.
Credit Hours: 3 hour lecture
Prerequisites: Graduate standing

EC 1747, Biological Sciences 401, Computer Science 401, Advanced Bioinformatics, approved effective Spring 2007.
Course Description: The course will include advanced topics in Bioinformatics, including application development, mathematical basis for computational methods, and choice of algorithm based on nature of data. Topics covered in lectures, literature discussions, and independent research projects include: sequence alignment, HMMs, gene finding, matrix building, and phylogenetic reconstruction.
Credit Hours: 3 hour lecture
Prerequisites: Bio Sci 311 or CS 311

EC 1748, Biological Sciences 301, Environmental Microbiology Laboratory, approved effective Fall 2006.
Course Description: This course will be offered as a companion laboratory for both the undergraduate- and the graduate- level Environmental Microbiology courses. The isolation and characterization of pertinent microorganisms will be carried out as well as DNA extraction and characterization of unculturable microorganisms. In addition, methods for detecting and quantifying water-borne pathogens will be exercised.
Credit Hours: 1 hour lab
Prerequisite: Bio Sci 221

EC 1749, Biological Sciences 301, Environmental Microbiology, approved effective Fall 2006.
Course Description: Topics to be explored include but are not limited to microbial growth and metabolic kinetics, life in extreme environments, biogeochemical cycling,

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bioremediation, control of water-borne pathogens. This course differs from bio Sci 451 in that this is an upper-level undergraduate course and no NSF-style research proposal and presentation is required.
Credit Hours: 3 hour lecture
Prerequisites: Bio Sci 221

EC 1750, Technical Communication 301, Proposal Writing, approved effective Fall 2006.
Course Description: A focus on the proposal as a fundamental aspect of corporate, government and academic institutions, with emphasis on the conventions and rhetorical elements of the proposal genre.
Credit Hours: 3 hour lecture
Prerequisites: English 65

EC 1751, Biological Sciences 201, Genetics: Decoding your genes, approved effective Fall 2007.
Course Description: We will explore the questions: What are genes? How do our genes affect our health? How are genes inherited? What are the societal implications of genetic knowledge? What is the Human Genome Project and what can we learn from it? (Does not fulfill requirement of Biology majors)
Credit Hours: 3 hour lecture
Prerequisites: None

EC 1753, Business 301, International Business, approved effective Fall 2006.
Course Description: This survey course will deal with business concepts, analytical processes and philosophical bases for international business operations. Emphasis is on environmental dynamics, multinational business organizations, cultural and economic constraints, unique international business practices and international operations, strategy and policy.
Credit Hours: 3 hour lecture
Prerequisites: Bus 240; Bus 110 or Bus 280

EC 1754, Nuclear Engineering 201, Applied Mathematics in Nuclear Engineering I, approved effective Fall 2006.
Course Description: Application of ordinary differential equations in the solution of nuclear engineering problems. Bessel functions, integral methods and transformations will be covered.
Credit Hours: 3 hour lecture
Prerequisites: Math 22

EC 1755, Nuclear Engineering 301, Applied Mathematics in Nuclear Engineering II, approved effective Fall 2006.

Course Description: Application of ordinary and partial differential equations in the solution of nuclear engineering problems, particularly with the neutron kinetics equations. Bessel's equation and special functions, eigenvalue problems, Green's function, integral methods and transformations.
Credit Hours: 3 hour lecture
Prerequisites: NE 303

EC 1756, IST 401, Essentials of Data Warehousing, approved effective Summer 2006.
Course Description: This course presents the topic of data warehousing and the value to the organization. It takes the student from the database platform to structuring a data warehouse environment. Focus is placed on simplicity and addressing the user community needs.
Credit Hours: 3 hour lecture
Prerequisites: IST 223 or CS 304 or equivalent relational database experience

EC 1757, IST 401, Social Informatics, approved effective Fall 2006.
Course Description: The course examines the social-psychological impact of socially oriented new media technologies. The class will focus on recent innovations, integrating these approaches into class interaction and student projects.
Credit Hours: 3 hour lecture
Prerequisites: None

EC 1758, IST 401, Essentials of Data Warehousing, approved effective Fall 2006.
Course Description: This course presents the topic of data warehousing and the value to the organization. It takes the student from the database platform to structuring a data warehouse environment. Focus is placed on simplicity and addressing the user community needs.
Credit Hours: 3 hour lecture
Prerequisites: IST 223 or CS 304 or equivalent relational database experience

EC 1759, Finance 101, Personal Finance I, approved effective Spring 2006.
Course Description: This course gives you the fundamental knowledge to be a better manager of your own finances. Learn to make informed decisions to invest wisely, save money on taxes, use credit wisely and plan for future expenses.
Credit Hours: 1 hour lecture
Prerequisites: None

EC 1760, Finance 101, Personal Finance II, approved effective Fall 2006.
Course Description: Student will learn the advantages and disadvantages of investment types. They will identify and use sources of reliable information, assess risk, diversify, and develop long-term strategies to achieve financial goals.
Credit Hours: 1 hour lecture
Prerequisites: None

an equal opportunity institution

UMR

UNIVERSITY OF MISSOURI-ROLLA

EC 1763, Geology 301, Stable Isotope Geology, approved effective Spring 2006.
Course Description: Introduction to the basic principles of stable isotope geochemistry. Study of the production, distribution, and use of naturally occurring and anthropogenically introduced stable isotopes in the earth's near surface environment with applications to hydrology, biogeochemistry and global change. Credit will not be given for both Geo 301 and Geo 401.
Credit Hours: 3 hour lecture
Prerequisites: Chem 1, Geo 275

EC 1764, Geology 401, Advanced Stable Isotope Geology, approved effective Spring 2006.
Course Description: Introduction to the basic principles of stable isotope geochemistry. Study of the production, distribution, and use of naturally occurring and anthropogenically introduced stable isotopes in the earth's near surface environment with applications to hydrology, biogeochemistry and global change. Students do a class project and a class presentation. Credit will not be given for both Geo 301 and Geo 401.
Credit Hours: 3 hour lecture
Prerequisites: Geo 275

EC 1773, Nuclear Engineering 301, Nonproliferation Issues for Weapons of Mass Destruction, approved effective Spring 2006.
Course Description: Nonproliferation and impact on technology and world events.
Credit Hours: 3 hour lecture
Prerequisites: junior/senior standing

J. Keith Nisbett, Chair
UMR Campus Curricula Committee

Volume XXXVI, Number 4
Minutes of the Academic Council Meeting
November 17, 2005

I. Call to Order, Roll, and Approval of Minutes
The meeting was called to order at 13:30 by President Schwartz and roll was taken. The following absentees were noted: Hines, Herade, Meagher, Mullin, Samaranayke, Atekwana, Hall, Nystrom, Luna, Isaac, Tsai, Robinson. Substitutions were: J. Myers for Belarbi, R. Miller for Haynes, Schumann for Woelk.

The meeting minutes of October 20, 2005, and October 27, 2005 were approved.

II. Reports and Responses
A. President's Report – Robert Schwartz
The IFC met in Columbia and four issues of particular relevance to the UMR campus were discussed: (1) Multiple versions of the Bylaws appear on web pages and there is some question as to which version was approved by the Curators. RP&A will be working on getting this straightened out. (2) The Instructor Drops policy is being looked at by an AC committee. UM Legal has expressed some concerns about this policy. (3) A resolution from Student Council on Mid-Semester teaching assessments has been received and will be referred to an AC committee. (4) President Schwartz expressed the concerns he has heard about whether AC is representative of the faculty and the effectiveness of AC. He felt that we need to work on these issues and communication is certainly critical. A short discussion surrounding communication and representation occurred where it was noted that AC elections are open and faculty who are not satisfied with representation should run for AC.

It was voted that a brief report from AC should be given at the General Faculty meeting.

B. Chancellor's Report – John Carney III
Chancellor Carney reported on a potential joint engineering program with Missouri State University. Currently, civil and electrical engineering programs are under discussion. The degrees would be granted by the University of Missouri. Faculty/Chancellor/AC breakfasts continue and are an opportunity for a variety of discussions. The Chancellor has spent recent time talking with leaders at the oil companies that are expected to do significant hiring in the future. The State has asked higher education to explain how they would handle about a 10-12% cut in state allocations to higher education. The new Carnegie classifications came out today and UMR was put in a "specialized" category along with two other institutions. Chancellor Carney wrote them a letter, and, consequently our status has been changed to: Undergraduate; Professions plus arts and sciences-high graduate coexistence; and Graduate, Doctoral-STEM Dominant.

Discussion followed about the joint Missouri State Engineering Program. There appears to be significant industrial support for the program. Chancellor Carney stated that because this would not be a new degree program and would be taught by our faculty, no AC approval would be required. Since the program cost would be funded with new monies, there was no need to discuss the budget implications.

C. Provost's Report - Y. T. Shah
Provost Shah reported that there has been "great progress" in PeopleSoft. The student administrative system should be complete soon and faculty will be encouraged to use it.

Enrollment and research continues to look good. There will be a new advising award. CERTI has completed the new technology classroom, and a room next door to it will be devoted to faculty training in technology. Distance learning has made good strides recently, including potential students from Saudi Arabia. The UM President reportedly requested that both class ranking (with college prep. curriculum) in addition to ACT scores, be considered for admissions.

III. REPORTS OF STANDING AND SPECIAL COMMITTEES
A. Curricula Committee – Michael Schultz
The written report of 11.1.05 was referenced relative to:

Five program curriculum changes (DC) that were **approved** by voice vote.

Sixteen course changes (CC) were **approved** by voice vote.

Twelve experimental courses (EC) were noted. (These do not require AC approval.)

IV. Old Business
A. Election of Committee Representatives – Don Myers
RP&A nominated, and AC **elected** Hal Nystrom for a two-year term on the Facilities Committee. RP&A nominated, and AC **elected** Rick Stevenson (2 yrs), Ralph Alexander (2 yrs), and Greg Gelles (1 yr) to the Administrative Review Committee.

V. New Business and Announcements
A. Staff Council – Kimberly Frazier
Staff Council has some new members of the staff council. It will hold a food and toy drive through Dec. 5 for the Greater Rolla Area Charitable Enterprise (GRACE).

B. Student Council – Nathan Mundis
Student Council has passed a variety of resolutions including those on: (1) decoupling tuition on the four campuses, (2) allow faculty to be more accommodating to students who wish to attend the career fair, (3) mid-semester reviews of teaching, and (4) a temporary freeze of out-of-state tuition. SC is also working on setting activities fees.

C. Council of Graduate Students – P. Shil
Dean Mitchell has funded one year for engineering students to use the writing center. A seminar on careers was given on campus for graduate students. Graduate students are concerned about the assessment of activity fees and how they are set.

D. Referrals – R. Schwartz
1. Tenure Committee—voting by faculty holding joint appointments
2. Personnel Committee—student mid-semester evaluations
3. Academic Freedom and Standards—student drop policy
4. Ad Hoc Committee—accreditation self-study strategy

The meeting was adjourned at approximately 14.33.

Respectfully Submitted,

Frank Blum
Secretary

* Minutes of the Academic Council are considered official notification and documentation of actions approved.

Intercampus Faculty Council (Meeting date: November 16, 2005)

- Professional Track (non-tenure track) faculty
  - o Topics of discussion included the role, rights, and responsibilities of non-tenure track faculty members on each of the campuses. The current name used to describe individuals in these positions is "Professional Track." Discussion on this matter will continue with information forwarded to the campuses for consideration by members of the faculty and administration during the early spring. Schwartz is serving on Ad Hoc committee working on this issue.
- Bearden Bill
  - o This bill reflects a suggested formula for funding of higher education in the state of Missouri. It would potentially have a significant impact on funding level for four campuses in the UM system.
- 10% Admissions Policy – Proposal by President Floyd
  - o Students in MO high schools who are enrolled in a college preparatory 'core' curriculum and who are in the top 10% of their high school graduating classes would be granted admission to (at least) one of the UM system schools. It is anticipated this will impact 200 students state wide. (Note: This proposal was presented to the Board of Curators at the December meeting and has been reviewed and approved by the Academic Freedom and Standards Committee. The number of students impacted on the Rolla campus will be approximately 10.)
- Budgeting Request/Response
  - o The latest budget news that is that UM System has been asked to respond to a question about what would occur on their campuses if the level of state support was reduced another 10 – 12% compared to its current level.

Board of Curators Meeting (December 1 & 2, 2005)

- This meeting was attended by Dr. Kurt Kosbar, President-Elect, Academic Council.
- Reduction in Administrative Costs
  - o In President Floyd's address to the Board, he asked the system's four Chancellors to develop a plan to reduce administrative expenditures by 10 percent. This represents approximately $12 million system-wide, including a $1 million reduction in administrative costs for UMR.

Referrals (November, 2005)

- Academic Freedom and Standards – Review of the Instructor Drop Policy
  - o Review Student Council resolution 0506R9 (Addressing the Instructor Drop Policy).
  - o Work with UM System legal department to review legality of policy.
  - o If recommendation is that the policy be retained, consider more formalized implementation of the policy.
  - o Meet with other stakeholders in the process (Faculty, Chairs and Deans).
- Personnel Committee – Review of Mid-semester Assessment and Teaching Evaluations
  - o Review Student Council resolution 0506R4.2 (Toward the Implementation of a Mid-semester Teaching Self Improvement Assessment) on the benefits of mid-semester assessments to allow the instructor the opportunity to modify his or her instructional approach to better meet the learning needs of the class.
  - o As part of this review, the Committee has also been tasked to look at use of summative and formative information during end of the semester teaching evaluations.

- Ad Hoc Committee – Higher Learning Commission Accreditation
  - o Work with Dr. Collier on developing an approach to facilitate the Higher Learning Commission Accreditation process.
- Tenure Committee – Review of Voting on Tenure and Promotion by Faculty with Joint Appointments
  - o Under consideration is whether a faculty member who has less than a 50% appointment in a given department should be able to vote on promotion or tenure in that department.

Other Campus Issues
- Communication
  - o The series of breakfasts and luncheons with the Chancellor will continue during December. During these meetings, approximately 10 members of the faculty meet with 2 – 3 members of the administration and 2 – 3 members of Academic Council to improve communication on the issues facing UMR.
  - o At least one department on campus has included an Academic Council report as part of its regular bi-weekly department meetings.
  - o Thanks to all Academic Council representatives for being more engaged in the communication between faculty and administration and their enthusiasm for shared governance
- UMR/MSU Joint Degree Programs
  - o The joint degree program associated with the name change of SMS to MSU is under development in the civil and electrical and computer engineering departments. Academic Council (Academic Freedom and Standards) will work with Dean Mitchell and the Chancellor to ensure that the quality and reputation of UMR degrees is maintained.
- Budgetary Affairs
  - o The Committee is preparing to look at the budget, strategic plan, and resource allocation as the university begins to work toward the goals specified in the Chancellor's two page strategic action plan.
- By-Laws
  - o RP&A is working to address the current version of the by-laws approved by the Board of Curators. It appears that the most recent version approved by the General Faculty in 2003 has not yet been approved by the Board.
- Economic Development – the 4th Mission
  - o A referral on the consideration of contributions in the area of state economic development is being prepared. Dr. John Gardner, Vice President for Research and Economic Development will be invited to meet with the Tenure committee.

Student Council and Council of Graduate Students
  - o Student Council Resolutions
    - ▪ In addition to the above resolutions, Student Council has also proposed a resolution that instructors not give examinations on the day scheduled for Career Fair (Requesting Accommodation for the UMR Career Fair; 0506R5). A referral regarding this issue is being developed.
  - o Meetings have been held between the leadership of Academic Council, Student Council, and the Council of Graduate Students. It is my goal to meet with these groups on a monthly, or at least bi-monthly, timeframe.

John F. Carney III
Academic Council
November 17, 2005

Chancellor's Report

◆ Strategic Action Plan

◆ General Officers' Meeting

◆ Texas Trip

◆ Faculty Breakfasts and Luncheons *2nd 8th.*
6th. 7th

◆ Missouri State University _ *CEV EF* *Discussing (work in progress)*

◆ Community Relations

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ACADEMIC COUNCIL REPORT

Y. T. SHAH
PROVOST AND
EXECUTIVE VICE CHANCELLOR

November 17, 2005

ENROLLMENT MANAGEMENT

ENROLLMENT MANAGEMENT

UMR

- People Soft Financial Aid Implementation is proceeding. ISIR records have been placed on P.S. for us to review for correctness. The People Soft Financial Aid Go-Live date is February 2006.

- The 8.9 PS student modules upgrade is on-schedule to go-live January 14, 2006.

- Fall registration is underway and going smoothly.

- Admission and Orientation reports for FS2006 will start to be distributed campus-wide by November 14. Initial reports show gains in freshmen and transfer applications and enrollment deposits for PRO 2006.

ENROLLMENT MANAGEMENT

- F-05 state of Missouri financial aid funds have arrived on campus and have been applied to the recipients university accounts.

- Spring 06 initial fee statements will be sent to students who pre-registered on or around November 20th with a due date of December 15th. Financial aid students have been awarded or the Spring 06 semester will show as a credit on the initial fee statement.

- Scholars Day for the 06/07 Chancellor's Scholarship applicants will be on Saturday, December 3rd. Faculty and staff interviewers are still needed. Please contact Bob Whites in the Student Financial Assistance Office to register.

RESEARCH

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FY 06: Proposals Awarded through October

	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Totals
Biol. Sci.	0	468,232	14,500	0									482,732
Chem.	45,639	663,230	141,200	37,473									887,541
Comp. Sci.	77,275	265,622	0	163,412									506,308
Engl. & Tech. Comm.	0	0	0	0									0
Hist./PS	0	0	0	0									0
Math/Stat	0	59,250	138,030	30,519									227,799
Phil.	0	0	0	0									0
Phys.	0	668,230	0	0									668,230
Psych.	0	143,428	0	52,083									195,511
A&S Totals:	122,914	2,267,992	293,730	283,486	0	0	0	0	0	0	0	0	2,968,122
Materials Sci. & Eng.	480,273	288,500	500,300	1,639,709									2,908,781
Mining & Nuclear Eng.	437,669	60,000	55,463	939,871									1,493,004
Geol. Sci. & Engr.	212,523	212,523	95,376	25,233									545,655
Dean's Office	0	0	0	0	0	0	0			0		0	0
SoMEER	1,130,465	561,023	651,138	2,604,814	0	0	0	0	0	0	0	0	4,947,440
Basic Engr. (Interdisciplinary	0	2,000	66,647										68,647
Chem & Biol. Engr.	4,000	335,126	36,516	17,769									393,410
Civil, Arch. & Env. Engr.	746,108	65,992	539,659	745,685									2,097,445
ECE	342,760	465,560	231,351	380,843									1,420,514
Engr. Mgt.	36,163	33,245	0	83,374									152,782
MAEM	114,501	239,049	407,303	1,102,624									1,863,477
SOE Totals	1,243,532	1,140,971	1,281,476	2,330,296	0	0	0	0	0	0	0	0	5,996,274
Econ. & Finance	0	0	0										0
Business Admin.	0	143,428.00	0										143,428
Info Sci. & Tech.	384,622	0	60,000										444,622
Dean's Office	850,015	9,197	0										859,212
SMIS	1,234,637	152,625	60,000	0	0	0	0	0	0	0	0	0	1,447,262
Enrollment Mgt													0
International Affairs													0
Minority Affairs			14,000										14,000
Other		311,431											311,431
RPDC		255,000											255,000
KUMR	60,277												60,277
Grand Totals:	3,791,824	4,689,042	2,300,344	5,218,595	0	0	0	0	0	0	0	0	15,999,806

18.9% growth over FY05

Total: $1

FY 06: Proposals Submitted through October

	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Totals
Biol. Sci.	0	295,354	478,208	1,729,264									2,502,825
Chem.	38,500	154,984	160,922	510,119									864,525
Comp. Sci.	70,015	383,471	0	714,056									1,167,542
Engl. & Tech. Comm.	0	108,488	0	0									108,488
Hist./PS	0	0	0	0									0
Math/Stat	0	483,795	144,754	196,324									824,873
Phil.	0	295,354	0	0									295,354
Phys.	2,000	300,354	158,135	198,860									659,349
Psych.	0	251,916	0	93,750									345,666
Dean's Office	0	0	0	0									0
A&S Totals	110,515	2,273,715	942,018	3,442,373	0	0	0	0	0	0	0	0	6,768,621
Materials Sci. & Eng.	463,122	507,406	368,886	6,216,589									7,556,002
Mining & Nuclear Eng.	9,989	1,168,004	141,902	2,417,098									3,736,992
Geol. Sci. & Engr.	265,559	210,464	210,122	280,728									966,873
Dean's Office	0	0											0
SoMEER	738,670	1,885,874	720,910	8,914,414	0	0	0	0	0	0	0	0	12,259,867
Basic Engr. (Interdisciplinar	0	628,421	877,889										1,506,309
Chem & Biol. Engr.	274,119	337,969	1,310,145										1,922,233
Civil, Arch. & Env. Engr.	1,211,200	3,387,518	687,011	840,021									6,125,750
ECE	2,501,560	1,705,849	1,248,595	1,731,105									7,187,110
Engr. Mgt. and System Eng	0	663,312	94,598	885,636									1,643,546
MAEM	1,564,678	1,703,347	1,301,885	1,674,549									6,244,458
Dean's Office	0	0	0										0
SOE Totals	5,551,557	8,426,415	5,520,122	5,131,311	0	0	0	0	0	0	0	0	24,629,405
Econ. & Finance		0	0										0
Business Admin.		184,557	0										184,557
Info Sci. & Tech.		98,451	21,721										120,173
Dean's Office	850,015	0											
SMIS	850,015	283,008	21,721	0	0	0	0	0	0	0	0	0	1,154,745
Enrollment Mgt													0
UMR Global		13,710											13,710
Grad/UG Studies													0
Other		443,919											443,919
RPDC	605,494												605,494
KUMR													0
Grand Totals:	7,856,251	13,326,641	7,204,771	17,488,099	0	0	0	0	0	0	0	0	45,875,762

-2.1% compared to FY05

Total:

UNDERGRADUATE AND GRADUATE STUDIES

Academic Pilot Program

- 26 UMR students are participating in a 6-week pilot project to assist in the development of a program to help students who are not meeting their academic expectations.

- Faculty members involved include Harvest Collier, Larry Gragg, Diana Ahmad, Ralph Flori,

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Academic Dishonesty

UMR

Academic Dishonesty Panel Discussion
November 2, 2005
2:00-4:00 pm
Carver Turner Room
Havener Center

- Moderated by Vice Provost Harvest Collier

- Panelists will include representatives from UMR Student Council, UMR Council of Graduate Students, UMR Student Affairs, UMR IT Security, UMR Academic Council and UM System Legal Counsel.

Academic Advising Awards

- UGS is now accepting nominations for the 2005-2006 Outstanding Academic Advising Awards.

- Any UMR faculty or staff member who serves as an academic advisor to students is eligible to receive this annual award.

- The Outstanding Academic Advisor Award is given to one faculty member from each school/college, one staff advisor, one freshman advisor, and one transfer student advisor.

- Nominations Forms are Due February 28, 2006. Copies of the nomination form and instructions are available on line at:
  http://campus.umr.edu/ugs/advisorrecognition.htm

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New Student Honor's Seminar

UMR

Topic: "UMR Research"

November 16, 2005

7:00-8:00 PM

G-3 Schrenk Hall

UMR

Voyager Learning Community

November Seminars:

<u>Wed. Nov. 2</u>- "Campus Life- Part II- Figuring it Out", by Matt Goodwin, 5:00 PM, TJ Hall South Lounge

<u>Tues. Nov. 8</u>- "The Writing Center- Achieving Success in Writing"- by Dr. Kate Drowne, 4:00 PM, TJ Hall South Lounge

<u>Tues., Nov. 15</u>- "Take the Torture Out of Testing", by Cheryl Downey-Eber, 4:00 pm, TJ Hall South Lounge

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CERTI- Faculty Workshop

Assessment of Teaching Innovations

Presented by Richard Hall

November 3, 2005

In this workshop we will introduce faculty to techniques and tools for assessing the impact of instructional innovations they implement in their classes. We will also discuss ways to translate these into publications and grant proposals, with a focus on UMR resources that can facilitate this process. Faculty will leave the workshop with a practical knowledge of tools and techniques that will allow them to:

1. Assess the impact of instructional innovations they introduce into their courses,

2. Publish research regarding these innovations in discipline specific and educational research journals, utilizing resources available on the UMR campus, and

3. Prepare competitive grant proposals to external agencies associated with these innovations, utilizing resources available on the UMR campus.

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SCHOOL OF EXTENDED
LEARNING

School of Extended Learning

- The Video Communication Center (VCC) will conclude, in December, a series of eight 20-hr. non-credit short courses videoconferenced to King Saud University in Riyadh, Saudi Arabia.

- This semester the VCC has added integrated one-way audio to its WebEx interactive and streaming video delivery. This provides partial redundancy and a "real time" alternative to telephone conferencing.

- The Engineering Education Center (EEC) is continuing it's recruiting efforts in the St. Louis area by sending several thousand recruitment letters to members of the MO Society of Professional Engineers. In addition the EEC participated in an educational fair held at the Boeing facility.

- The International Affairs Office has been working jointly with Admissions to screen for admission and issue immigration documents to approximately 65 new Saudi students for FS05. Twenty-three of these students have arrived on campus so far. These students are part of a contingent of 25,000 students that Saudi Arabia wants to send to US universities over the next 5 years. These students have been arriving at UMR during the course of the semester, and have been enrolled in intensive English classes prior to starting their academic studies. The following graphs show the breakdown of currently enrolled sponsored Saudi student program admissions.

School of Extended Learning

FS05 Saudi Program Admissions by School/College for Currently Enrolled Students (ALI)
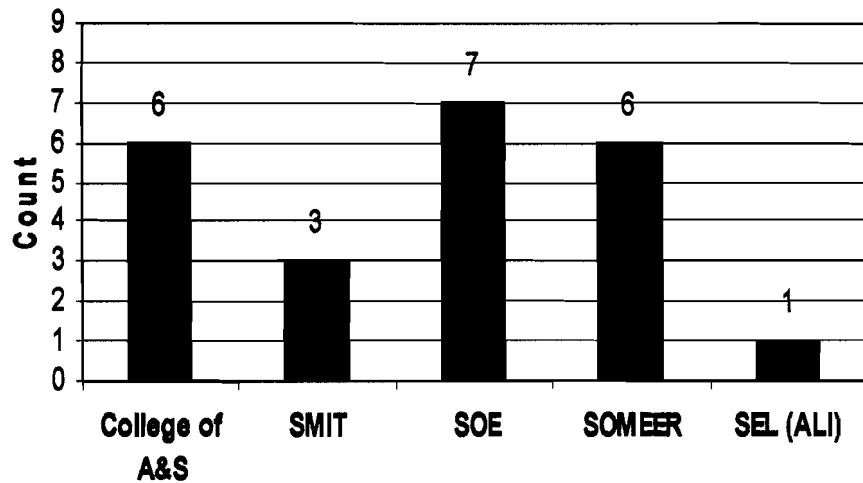
FS05 Program Admissions for Saudi Sponsored Students for Currently Enrolled Students (ALI)
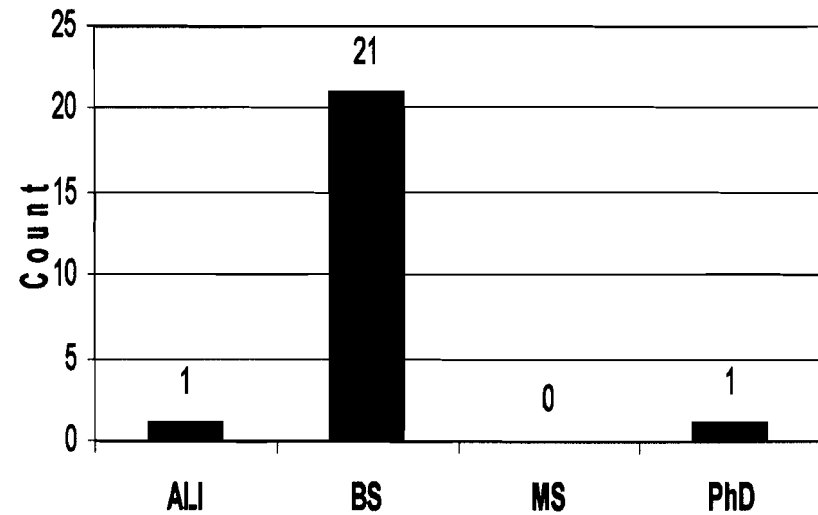
INFORMATION TECHNOLOGY

UMR

Information Technology

Applications/Enterprise Reporting

- Academic Alert has been released campus-wide for the Fall Semester
  - » Two demos have been conducted for faculty and advisors
  - » Additional reports added for department chairs, faculty and advisors
- Creation of enterprise level application to track and control Desktop Enhancement process

Networks and Computing

- Voice-Over IP Telephony Project
  - » Over 600 VoIP phones deployed
  - » Engineering Management deployment completed
  - » McNutt Hall scheduled for December 5 deployment
- Wireless environment moving to the 802.1x standard for increased security
  - » Near 100% wireless coverage in Humanities and Social Sciences
  - » Wireless coverage expanded in Mechanical Engineering
- Cdigix to provide legal music access
- Cluster Computing
  - » Beta testing underway
- Cyber Security Awareness Month
  - » Open Forum
  - » Weekly information tables in Havener
  - » Operation Fortify for security screening of student machines
- Cisco Meeting Place Technology pilot with UMC
  - » Video conferencing and web presentation solution
- Fax service coming in late November
  - » Integrated solution allows customers to receive faxes in Outlook inboxes.

Solutions Center

- Desktop Enhancement
  - » 910 machines have been inventoried to date for FY2005 – FY2007
  - » FY2005 complete with 296 machines deployed
  - » FY2006 underway with 18 machines deployed
- Technology Classroom Enhancement Program
  - » 52-seat Technology Classroom implemented in UC East
    - – Grand Opening – November 8
      - • Technology demonstrations by faculty
  - » 18-seat Technology Classroom being planned for installation in McNutt

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Memo To: Academic Council
From: UMR Campus Curriculum Committee Meeting
RE: November 1, 2005 meeting

The UMR Campus Curricula Committee recommends to the Academic Council that the curriculum changes on the following DC forms be approved.

Approved DC forms:
DC 0162, SoMEER, Mining & Nuclear Engineering. New Graduate Minor in Explosives Engineering. This form was approved at the September 2005 meeting. It was approved effective Spring 2006 but the department has students graduating in December 05 that are wanting the minor so they asked the effective term to be changed to Fall 2005. The committee voted to change the effective term to Fall 2005.

DC 0164, School of Engineering, Computer Engineering, approved effective Spring 2006. A proposal to add six new emphasis areas: Computers and Architecture, Integrated Circuits and Logic Design, Embedded Computer Systems, Computational Intelligence, Networking and Software Engineering, Security and Reliability.

DC 0169, College of Arts and Sciences, Biological Sciences, approved effective Fall 2006. A proposal to modify the current curriculum for the BA and BS in Biological Sciences by reducing Biol 251 from 4 to 3 credits, and adding one hour of free elective.

DC 0170, College of Arts and Sciences, Computer Science, approved effective Fall 2006. A proposal to modify the current curriculum for the BS in Computer Science by adding CS 306 as a required class and reducing the free electives from 9 to 6 credit hours.

DC 0172, SoMEER, Nuclear Engineering, approved effective Fall 2006. A proposal to modify the current curriculum for the BS in Nuclear Engineering by replacing NE 204 with NE 312.

The UMR Campus Curricula Committee recommends to the Academic Council that the course changes on the following CC forms be approved.

Approved CC forms:
CC 6016, Chemistry 436, X-ray Crystallography. New course approved effective Fall 2006. This course was approved at the Oct. 2005 meeting but the department is wanting to offer it Spring 2006 and has asked the Curricula Committee to change the effective term to Spring 2006. The Committee voted and agreed to change the effective term to Spring 2006.

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CC 6045, Chemistry 344, Advanced Physical Chemistry. The following change is approved effective Fall 2006.

Catalog Description - Proposed: Advanced undergraduate treatments of special topics of physical chemistry, which may include statistical mechanics, kinetics, group theory, or spectroscopy.

CC 6046, Biological Sciences 251, Ecology. The following changes are approved effective Fall 2006.

Catalog Description – Proposed: Relationships between organisms and the environment. Topics include the influence of environmental factors on individual organisms, population dynamics, interspecific associations, and entire ecosystems.

Credit Hours – Present: Lecture: 3 Lab: 1 Total: 4
             Proposed: 3 hour Lecture

CC 6054, Computer Science 397, Software Systems Development I. The following change is approved for Fall 2006.

Prerequisites – Present: 100 credit hours completed
                Proposed: Cmp Sc 306 and 100 credit hours completed

CC 6057, Metallurgical Engineering 218, Metals Structures and Properties Laboratory. The following changes are approved effective Spring 2006.

Course Title – Proposed: Microstructural Development Laboratory

Catalog Description – Proposed: Investigation of the relationships between microstructures, and processing for various materials.

Prerequisites – Present: Mt Eng 215, 216, accompanied by Met Eng 217
                Proposed: Met Eng 121, accompanied by Mt Eng 217

CC 6058, Metallurgical Engineering 217, Metals Microstructural Development. The following change is effective Spring 2006.

Prerequisites – Present: Mt Eng 215, 216
                Proposed: Mt Eng 121

CC 6059, Metallurgical Engineering 215, Fundamentals of Materials Behavior. The following change is approved effective Fall 2006.

Catalog Description – Proposed: An introduction to crystal defects and deformation; mechanical testing; creep; fracture mechanics and fatigue.

CC 6060, Metallurgical Engineering 216, Metals Characterization Laboratory. The following changes are approved effective Fall 2006.

Course Title – Proposed: Mechanical Testing of Materials

Catalog Description – Proposed: Deformation of materials and mechanical testing of materials; tensile testing, creep; impact testing; fracture mechanics and fatigue.

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CC 6061, Nuclear Engineering 204, Nuclear Radiation Measurements. The following changes are approved effective Spring 2006.
Course Number – Proposed: 312
Course Title – Proposed: Nuclear Radiation Measurements and Spectroscopy
Catalog Description – Proposed: Contemporary radiation detection theory and
      experiments with high resolution gamma-ray spectroscopy, solid state detectors,
      neutron detection and conventional gas filled detectors. Neutron activation analysis
      of unknown material, statistical aspects of nuclear measurements.

CC 6065, Electrical Engineering 408, Computer methods in Power System Analysis. The following change is approved effective Spring 2006.
Catalog Description – Proposed: Algorithms for large scale system solution, non-linear
      systems, ordinary differential equations, eigenvalue problems, modal information,
      and optimization. Applications to power systems analysis.

CC 6066, Metallurgical Engineering 367, Introduction to Powder Metallurgy The following changes are approved effective Spring 2006.
Course Title – Proposed: Introduction to Particulate Materials
Catalog Description – Proposed: Many net shape components for transportation, medical,
      or consumer goods are fabricated from powders. The performance of the
      component depends strongly on powder characteristics and processing. Aspects of
      powder fabrication, characterization, handling, component fabrication and
      secondary processing will be covered.
 Prerequisites – Present: Met 217 and Met 218
           Proposed: Met 121

CC 6067, Metallurgical Engineering 421, Ferrous Metals Casting. The following changes are approved effective Spring 2006.
Catalog Description – Proposed: An advanced study of the metallurgy of cast irons and
      net shape cast steel alloys. Includes theories of nucleation and growth in gray,
      nodular, compacted graphite and malleable irons. The effects of deoxidation
      practice and inclusion shape control for cast steels are also included. The effects of
      alloying elements, processing variables and heat treatment.
Credit Hours – Present: 2 hour Lecture
           Proposed: 3 hour Lecture

CC 6069, Engineering Management 368, Systems Engineering and Analysis I. Course deletion approved effective Spring 2006.

CC 6070, Engineering Management 468, Systems Engineering Analysis II. Course deletion approved effective Spring 2006.

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CC 6071, Engineering Management 469, Systems Architecting. Course deletion approved effective Spring 2006.

CC 6093, MSE 401, Special Topics. New course approved effective Spring 2006.
Catalog Description: This course is designed to give the department an opportunity to test a new course. Variable title.
  Credit Hours: 0-6
Prerequisites: None

For the information of the Academic Council, the following EC forms have been submitted by the University departments for an experimental course that will be offered in the near future.

Approved EC forms:
EC 1710, Computer Science 301, Software Requirements Engineering, approved effective Fall 2006.
Course Description: Software Requirements Engineering (SRE) covers all the activities involved in discovering, analyzing, specifying and managing software requirements for a software system from multiple perspectives. In this course students will study how to elicit, analyze, specify, validate, and manage software requirements using advanced software requirements modeling, methods, processes and tools.
Credit Hours: 3 hour Lecture
Prerequisites: Computer Science 306

EC 1711, Education 301, Teachers' Academy: Effective Instructional Strategies, approved effective Summer 2006.
Course Description: participants will develop an understanding of research-based instruction and the ability to implement the instructional strategies in their classrooms. In addition to effective instructional practices, the teachers' academy will focus on leadership, empowerment, collaboration and renewal.
Credit Hours: 3 hour Lecture
Prerequisite: Graduate standing

EC 1712, Education 301, Differentiating Instruction, approved effective Summer 2006.
Course Description: This course is designed to help participants develop lesson plans and instructional strategies that are challenging, engaging and responsive to a variety of needs, interests, learning styles and multiple intelligences of the students in their classrooms.
Credit Hours: 1 hour Lecture
Prerequisites: current K-12 educator

EC 1713, Education 301, Scientifically Based Reading Instruction, approved effective Summer 2006.

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Course Description: participants will further develop and understanding of comprehensive, research-based reading instruction and the ability to implement the instructional strategies in their classrooms. This course is designed for teachers participating in the second year of the Reading First program.
Credit Hours: 1 hour Lecture
Prerequisites: graduate standing

EC 1714, Education 301, Language Essentials for Teachers of Reading & Spelling, approved effective Summer 2006.
Course Description: Participants will develop an understanding of comprehensive, research-based reading instruction and the ability to implement the instructional strategies in their classrooms. They will utilize frequent formal assessments to determine student mastery of concepts and skills and develop appropriate intervention strategies to ensure that all students are reading on grade level.
Credit Hours: 3 hour Lecture
Prerequisites: Graduate Standing

EC 1718, Philosophy 201, Bioethics, approved effective Spring 2006.
Course Description: This course covers several areas of ethical interest in biotechnology, medicine, and medical care. Topics may include stem-cell research, cloning, genetic engineering, reproductive issues, pharmaceutical ethics, privacy, physician-assisted suicide, patient rights, human and animal experimentation, and resource allocation.
Credit Hours: 3 hour Lecture
Prerequisites: An introductory (below100) level Philosophy course.

EC 1720, MSE 301, Materials for Energy, approved effective Spring 2006.
Course Description: A survey for cleaner, smaller, cost effective and more efficient energy technologies driven by materials science and engineering. Solar cells, fuel cells, rechargeable batteries, hydrogen storage, capacitors, high-temperature superconductivity. Renewable energy; solar, geothermal, ocean, hydropower, wind, hydrogen, bioenergy, and related term projects.
Credit Hours: 3 hour Lecture
Prerequisites: Senior Standing

EC 1721, MSE 401, Advanced Materials for Energy, approved effective Spring 2006.
Course Description: A survey for cleaner, smaller, cost effective and more efficient energy technologies driven by breakthroughs in materials science and engineering. Solar cells, fuel cells, rechargeable batteries, hydrogen storage, capacitors, high-temperature superconductivity. Renewable energy; solar, geothermal, ocean, hydropower, wind, hydrogen, bioenergy.
Credit Hours: 3 hour Lecture
Prerequisites: Graduate Standing

EC 1722, Ceramic 301, Biological Science 301, Chemical Engineering 301, Metallurgical Engineering 301, Introduction to Tissue Engineering, approved effective Spring 2006.
Course Description: This course will introduce senior undergraduate students to the principles and clinical applications of tissue engineering, involving the use of biomaterial scaffolds, living cells, and signaling factors to develop implantable parts for the restoration, maintenance, or replacement of biological tissues and organs.
Credit Hours: 3 hour Lecture
Prerequisites: Senior undergraduate standing

EC 1723, Ceramic 401, Biological Sciences 401, Chemical Engineering 401, Metallurgical Engineering 401, Advanced Tissue Engineering, approved effective Spring 2006.
Course Description: This course will introduce graduate students to the principles and clinical applications of tissue engineering, involving the use of biomaterial scaffolds, living cells, and signaling factors to develop implantable parts for the restoration, maintenance, or replacement of biological tissues and organs. A term paper and oral presentation on a tissue engineering topic are expected.
Credit Hours: 3 hour Lecture
Prerequisites: Graduate Standing

EC 1730, Nuclear Engineering 301, Two-phase Flow in Energy Systems – Part I, approved effective Spring 06.
Course Description: This is an intermediate level course for senior undergraduate or graduate students who are interested in the area of two-phase flow. This course will acquaint students with knowledge on single-phase & two-phase fluid flow and fundamental thermal-hydraulic phenomena related to energy systems.
Credit Hours: 3 hour Lecture
Prerequisites: NE 221 or NE 223 or Ch Eng 231 or ME 231

EC 1746, Geophysics 401, Advanced Potential Field Methods, approved effective Spring 2006.
Course Description: Gravity and magnetic methods applied to tectonic, mineral, and oil exploration. Applications to environmental and engineering geology will also be examined.
Credit Hours: 3 hour Lecture
Prerequisites: Geoph 382, Geol 220, Math 22

J. Keith Nisbett, Chair
UMR Campus Curricula Committee

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Volume XXXVI, Number 2
Minutes of the Academic Council Meeting
October 20, 2005

I. Call to Order, Roll, and Approval of Minutes

President Schwartz called the meeting to order at 13.30 and roll was taken. The following absentees were noted: Robert Mitchell, Jonathan Hines, Joseph Herdade. The following substitutes were noted: Ching-Nen Nathan Chen for Yue-wern Huang, Francisca Oboh-Ikuehobe for Eliot Atekwana, Greg Story for Michael Schultz.

Minutes of the June 16, 2005 and September 22, 2005 meetings were **approved** as submitted.

II. REPORTS AND RESPONSES

A. President's Report – Robert Schwartz

1. IFC Retreat – Roles and responsibilities of non-tenure-track faculty is an issue that needs to have closure. Higher education funding, promotion, and tenure processes were also discussed.
2. Board of Curators Meeting, 6 -7 October – Recruiting practices, building funding priorities, and tuition plans were discussed.
3. A special meeting of AC will be held to discuss shared governance. A few breakfast and lunch meetings will be held with the Chancellor and some faculty members.

B. Chancellor's Report – John Carney III

1. All of the constituencies queried have endorsed the 2-Page Strategic Action Plan. The Chancellor plans to work with faculty to finalize the complete strategic plan during this academic year.
2. The capital campaign is still in its quiet phase. Two important financial goals of the campaign will be to raise financial aid support for our students and secure a series of fully endowed faculty chairs.
3. Discussions are beginning with Missouri State University relative to engineering education.
4. Discussions are ongoing about establishing a formula to help set tuition. There are also discussions about setting up a differential tuition structure.
5. The state board of education has granted approval to umr to continue offering eight professional education programs for a period of five years from 2005-2010..

C. Provost's Report - Y. T. Shah

1. The Board of Curators approved the nominees for Curators' Research Professor and Curators' Teaching Professor.
2. The Faculty Committee for the Faculty Excellence Awards has been appointed.
3. Accreditations in Computer Science and Electrical Engineering went well and we expect accreditation.
4. Enrollment on campus is up as is retention (87% Freshman to Sophomore). The Campus would like to significantly increase its graduate enrollment.
5. Research continues to be strong.

III. REPORTS OF STANDING AND SPECIAL COMMITTEES
A. Curricula Committee – Keith Nisbett
The written report of 8.18.05 was referenced relative to:
1. Five (5) program curriculum changes (DC) that were **approved** by voice vote.
2. Nineteen (19) course changes (CC) were **approved** by voice vote.
3. Eleven (11) experimental courses (EC) were noted. (AC approval not required)

IV. OLD BUSINESS
A. Election of Committee Representatives – Don Myers
1. The following slate of nominees, as approved by RP&A, were submitted and **elected** by acclamation.

Budgetary Affairs (1) Lance Haynes
Personnel (2) Neil Book, Donald Myers
Student Awards & Financial Aids (3) Mark Mullin, James Martin, Anne Cotterill
Curricula (2) Michael Schultz, K.S. Issac
Grievance (5) Barbara Hale, Levent Acar, S.N. Samaranayake, Halvard Nystrom, Paul Worsey
Facilities (3) Klaus Woelk, Balakrishnan, Robert Stone
Scholastic Appeal (3) Eun Soo Park, Maggie Cheng, Michael Meagher

V. NEW BUSINESS AND ANNOUNCEMENTS
A. Strategic Plan – R. Schwartz
Resolution AC-0506R2 "Support of Chancellor Carney's 2-Page Strategic Action Plan" was **passed** by voice vote.
B. Staff Council – Lee Ann Morton
The Council supports the Strategic Action Plan and new officers have been elected.
C. Student Council –
No report.
D. Council of Graduate Students – P. Shil
The GPA Workshop is currently being held. The Council has concerns about issues such as graduate student housing, access of Engineering students to the Writing Center, summer registration for resident students. It was agreed that Y.T. Shah would report back on the registration issue at the next meeting.
E. REFERRALS
none

The meeting was adjourned at approximately 14.30.

Respectfully Submitted,

Frank Blum,
Secretary
* Minutes of the Academic Council are considered official notification and documentation of actions approved.

Academic Council

@ University of Missouri Rolla

0506R2 –Support of Chancellor Carney's 2-page Strategic Action Plan

WHEREAS, Chancellor Carney's Strategic Action Plan reinforces the mission of the University of Missouri – Rolla as the premier technological research University in the state of Missouri; and

WHEREAS, the Strategic Action Plan aims to increase the national and international reputation of the University of Missouri – Rolla; and

WHEREAS, it is essential that the University have a clear high level vision for both the future of UMR and the success of the Capital Campaign;

THEREFORE, BE IT RESOLVED that the Academic Council of the University of Missouri – Rolla is pleased to endorse the Strategic Action Plan proposed by Chancellor Carney on September 27, 2005.

BE IT FURTHER RESOLVED that the Academic Council looks forward to working with Chancellor Carney during the upcoming academic year to complete the UMR Strategic Plan and to engage the campus community in this process.

Respectfully submitted,

Robert W. Schwartz
President Academic Council
University of Missouri – Rolla

[Approved 10.20.05]

0506R4.2 – Toward the Implementation of a Mid-semester Teaching Self-Improvement Assessment

WHEREAS, the Student Body desires to have the most effective teaching possible; and,

WHEREAS, it is the belief of Student Council that most instructors earnestly care about their students' learning the course material; and,

WHEREAS, a mid-semester assessment provides a means by which instructors can improve and tailor their course, while the semester is in progress, to the students then taking it; and,

WHEREAS, Student Council would encourage each instructor to create an assessment form tailored to the specific course being taught but will provide a general form that may be used if so desired;

THEREFORE, BE IT RESOLVED that the University of Missouri – Rolla Student Body supports the voluntary implementation of a mid-semester teaching self-improvement assessment, which will be used solely by professors for the improvement of instruction;

BE IT FURTHER RESOLVED that the UMR Student Body recommends the end of the fifth week of classes as the best time that such an assessment be given;

BE IT YET FURTHER RESOLVED that the UMR Student Body requests the Academic Council's assistance and support in conveying this Resolution of the Student Body to the course instructors at large and encouraging their participation in such an assessment.

PASSED by ACCLAIMATION October 11, 2005.
AMENDED by ACCLAIMATION October 25, 2005.

Jeremiah D. King   Nathan L. Mundis
President   Vice President External Affairs
Student Council   Student Council
University of Missouri – Rolla   University of Missouri - Rolla

Volume XXXVI, Number 3
Minutes of the Special Academic Council Meeting
October 27, 2005

I. Call to Order and Roll
President Schwartz called the meeting to order at 13.35 and roll was taken. The following absentees were noted: Neil Book, D. J. Belarbi, Mark Fitch, Ronaldo Luna, Kurt Kosbar, Hal Nystrom, Robert Stone, S. N. Balakrishnan, K.M. Isaac, H. L. Tsai, Y. T. Shah, Robert Mitchell, Mariesa Crow, Arlan Dekock, Jonathan Hines, Joseph Herdade, Yue-wern Huang, Frank Blum, Maggie Cheng, Michael Meagher, V. A. Samaranayake, Jim Martin, David Van Aken, Paul Worsey, and Bih-Ru Lea.

II. Chancellor Carney's Comments on the Topic of Shared Governance
    A. Before discussing shared governance, Chancellor Carney asked the Academic Council to:
        1. look into the current practice of instructor-drop and
        2. help the university prepare for the campus-wide accreditation in 2008-2009.
    B. Chancellor's view on shared governance
        1. Dr. Carney began by relating his experience at the universities where he has previously served. In particular, he explained the system at Worcester Polytechnic Institute, where everyone is involved.
        2. He expressed his concerns that the Academic Council effectively represent the views of the faculty. In particular, he noted that a universal problem of shared governance is that the issues are not well communicated to the faculty as a whole, and only a small group of people are involved.
        3. In regard to the university's Strategic Plan, he stated that he would like to receive input from all stakeholders that would result in a document that we can all stand behind.
        4. On the issue of faculty involvement he stated that he understood how hard it is to balance teaching, advising, doing research, and growing professionally, but encouraged informal meetings for the purpose of communicating the issues pertinent to individual departments.
        5. He stated that he and President Schwartz would host several breakfast and lunch meetings with 9-10 members of faculty. The purpose of these informal meetings will be to facilitate communication between faculty members, Academic Council and Administration.

The meeting was adjourned at approximately 14:20.

Respectfully Submitted,

Eun Soo Park
Parliamentarian

* Minutes of the Academic Council are considered official notification and documentation of actions approved.

FACULTY SENATE

Volume XXXVI, Number 1

Minutes of the Academic Council Meeting
September 22, 2005
Call to Order, Roll, and Approval of Minutes

The meeting was called to order at 13:30 by President-Elect Schwartz and roll was taken. The following absentees were noted: Michael Meagher, V. A. Samaranayake, Mark Mullin, Paul Worsey, Robert Stone, D. J. Belarbi, H. S. Tsai, Debra Robinson, [Air Force ROTC Rep].

The approval of the June 16, 2005 minutes was **tabled** until the October 2005 meeting.

Officer Elections

Don Myers, elected chair of RP&A, proposed a slate of candidates approved by RP&A, for the 2005-6 Academic Council Officers. The slate was **accepted** by acclamation. The slate included:

President - Robert Schwartz
President-Elect – Kurt Kosbar
Secretary – Frank Blum
Parliamentarian – Eun Soo Park

RP&A nominated Ralph Wilkerson as a representative to the Intercampus Faculty Council as a replacement for the Past-President. AC voted to **appoint** Wilkerson as representative. Schwartz and Kosbar serve automatically as President and President-Elect of AC.

1 REPORTS AND RESPONSES

A. PRESIDENT'S REPORT - Robert Schwartz

> a President Schwartz reported on his plans for the coming year, which are focused on communication and developing mutual respect between the faculty and the administration.

> b Schwartz presented a chart with the need for AC to name some of the representatives for different UMR committees. Schwartz asked for nominations for these positions. There were no nominees from the floor. Election of AC representatives is scheduled for the October meeting. Schwartz's introductory remarks about his goals for the upcoming are attached.

C. CHANCELLOR'S REPORT - John Carney

> aChancellor Carney spoke on his interest in working closely with the Academic Council. He recently visited Washington, DC and spoke with our Congressional delegation and their staffs. They have been very supportive of UMR, primarily because UMR delivers results effectively. The Chancellor's first Board of Curators meeting is coming up and he looks forward to getting to know the Curators better. The strategic plan and capital campaign are moving forward and the Chancellor needs to feel comfortable with the plan and UMR'S commitment to it. He is planning to send a two-page document, through the departments, to the Campus, to determine support for it.

D. PROVOST'S REPORT - Y. T. Shah

> a Provost Shah spoke about the state of the Campus which he considers good. Student enrollment, research, and minority enrollments are all up. The Provost spoke about the strategic plan which is related to the UM System's strategic plan. The 10 goals include

increases in enrollment, research productivity, and giving. There were questions related to the difference between the planning and the setting of goals for Colleges/Departments. The Provost stressed the importance of faculty having "buy-in" in the process.

3 REPORTS OF STANDING AND SPECIAL COMMITTEES

a Budgetary Affairs – Don Myers

Budgetary Affairs is concerned about the deficit and the lack of budgeting for new programs (that were not included in the budget). The Committee was also concerned about a process by which the faculty could contribute to the strategic planning process. The Bylaws say that the faculty should be involved in the process.

b Curricula Committee – Charles Chusuei

The written report of 8.18.05 was referenced relative to:

- 3 program curriculum changes (DC) that were **approved** by voice vote. (The question was asked as to whether there were any financial issues related to these changes, and the answer was "none that they know of."
- 25 course changes (CC) were **approved** by voice vote.
- 15 experimental courses (EC) were noted. (These do not require AC approval.

c Information Technology and Computer Committee (ITCC) - Barbara Hale

ITCC reported on updates to Computer Learning Centers (CLC's). A task force examined CLC usage and tried to determine a utilization threshold. The task force determined that several CLC's needed upgrades. The task force recommended that a call for proposals go out to departments

A new CLC was added to the residential college and several others were upgraded. A CERTI computer classroom with 52 laptops has been established in the University Center East. A multi-node numerical computing facility has also been added. 5 kiosks have been added around campus.

Long term concerns of the Committee include declining budgets versus increasing needs, flexibility for student and faculty to choose hardware and software, and the competitiveness of UMR computing facilities.

d Library and Learning Resources (no report)

e. Personnel - Robert Dubois

The Committee's interest in faculty compensation was noted. A UM report, originally due in January, was received in June and the Committee will be addressing that soon.

4 NEW BUSINESS AND ANNOUNCEMENTS

a Welcoming Resolution - Schwartz

Professor Schwartz read a resolution welcoming Chancellor Carney. It was **approved** by acclamation. A copy of the resolution is attached.

b Student Council: Mundis

SC is currently working on a Student Interest Survey. A resolution was read thanking

Mike Hilgers for his service as President of the AC.

c Council of Graduate Students: No report

d Referrals – none
Robert Schwartz adjourned the meeting at 14:30

Respectfully submitted,
(electronically submitted, 9/26, 2005)
Frank Blum, Secretary

*Minutes of the Academic Council are considered official notification and documentation of actions approved.

President's Report September 2005

1. I would like to thank Mike and Todd for their service to the university for the past several years.

2. Before beginning my report, I would like to make a statement that describes what I hope to accomplish during my term in office. My main focus will be to work to improve the relationships between the faculty and administration on this campus. I plan to work to build a relationship of trust and mutual respect that I believe is necessary for an effective university, and which is described within our bylaws. In particular, I believe we need to have more open and effective communication. I further believe that this body must play a role in this process for UMR to be all that it can be. I hope representatives will be more pro-active in discussing with their departments matters of importance to the campus that are discussed in Academic Council meetings that require further consideration, discussion, and understanding. I am hopeful that such communication will contribute to the building of greater consensus in our perspectives, or at least a better understanding of the considerations. Outside of Academic Council meetings, I hope that members of this body can have open and frank discussions that will be constructive in building our relationships. I would welcome hearing from anyone in this body at any time. My door is open. I have given the Chancellor my commitment to work toward this goal and I look forward to my service to UMR in this capacity.

3. The first order of business on which I need to report is committee representation needs. I would welcome nominations from the floor for these positions.

4. I also need to report on the IFC schedule. The first IFC meeting is scheduled for next week with a one and one half day retreat that will begin next Thursday evening, Sept. 29.

5. The other item of business that I need to report on is the discussion that has recently concluded on Executive Order 6A, which is related to promotion and tenure. The key topic of discussion related to this order is the role played by non-regular faculty in the review of tenure and promotion packages. This matter was referred to the Tenure committee and input was provided to UM system on this matter. Discussion of this matter is continuing.

6. I would be happy to answer any questions.

WHEREAS, Dr. John F. Carney III officially assumed the leadership of the University of Missouri Ð Rolla on September 1, 2005; and,

WHEREAS, in its role as the legislative and policy-making body of the General Faculty, the Academic Council of the University of Missouri-Rolla works closely with the Chancellor in fulfilling the educational and research missions of the University, and ensuring the general welfare of the campus, the faculty, and its student body;

THEREFORE, BE IT RESOLVED that the Academic Council expresses its full commitment to Chancellor Carney to work with and support him in the achievement of our common goals for the betterment of the University of Missouri-Rolla;

BE IT FURTHER RESOLVED that the Academic Council warmly welcomes Chancellor Carney to the University of Missouri Ð Rolla and looks forward to developing a continuing productive and amiable relationship.

Respectfully Submitted,

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UNIVERSITY OF MISSOURI-ROLLA

Memo To: Academic Council
From: UMR Campus Curriculum Committee Meeting
RE: August 18 & September 6, 2005 Meeting

The UMR Campus Curricula Committee recommends to the Academic Council that the curriculum changes on the following DC forms be approved.

Approved DC forms:
DC 0161, SoMEER, Mining Engineering, approved effective Spring 2006. A proposal to modify the current curriculum for the B.S. in Mining Engineering.

DC 0162, SoMEER, Mining Engineering, approved effective Spring 2006. A proposal to create a new Graduate Minor in Explosives Engineering.

DC 0163, SoMEER, Mining Engineering, approved effective Spring 2006. A proposal to modify the current curriculum for the B.S. in Mining Engineering by incorporating Mi Eng 241 and Mi Eng 242 into a single course.

The UMR Campus Curricula Committee recommends to the Academic Council that the course changes on the following CC forms be approved.

Approved CC forms:
CC 5976, Mining Engineering 231, Rock Mechanics I. The following changes are approved effective Spring 2006.
Course Number – Proposed: 331
Catalog Description – Proposed: Rock mass ratings; empirical failure criteria; slope and
    highwall stability; field stresses; design of underground openings, pillars, and roof
    beams; principles of roof-bolt design; surface subsidence.
Credit Hours – Present: Lecture: 2 Lab: 1 Total: 3
                Proposed: 2 hour lecture
Prerequisites – Present: IDE 110 and IDE 120; or IDE 140; and Cv Eng 215 or Geo 125,
                Geo 220
            Proposed: IDE 140 or IDE 50 and 150; and Geo 220

CC 5994, Mining Engineering 232, Statics and Mechanics of Rock Materials. The following changes have been approved effective Spring 2006.
Catalog Description – Proposed: Application of the principles of mechanics to
    engineering problems of equilibrium, strength, and stiffness concerning rock
    materials and mine support structures. This course extends the study of statics to
    rock materials in mines and covers rock-related and support structure related
    mechanics of materials. The course is complemented by rock mechanics laboratory.
Credit Hours – Present: 2 hour lecture

an equal opportunity institution

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Proposed: Lecture: 2 Lab: 1 Total: 3
Prerequisites – Present: Co-requisite Mi Eng 231
Proposed: IDE 140, or IDE 50 and 150

CC 6013, Engineering Management 314, Management for Engineers. The following changes are approved effective Spring 2006.
Course Title – Proposed: Management for Engineers and Scientists
Catalog Description – Proposed: The transition of the engineer or scientist to manager; study of management roles and theory, organizational systems and behavior, managing and motivating technical personnel, leadership, communication, processes, and customer focus.
Prerequisite – Present: Senior or Graduate Standing; students who have taken EMgt 211 cannot enroll in this course
Proposed: Graduate Standing.

CC 6014, Engineering Management 361, Project Management. The following change is approved effective Fall 2005.
Prerequisite – Present: Emgt 211
Proposed: Graduate Standing

CC 6017, Engineering Management 352, Activity Based Accounting and Financial Decision Making. The following changes are approved effective Spring 2006.
Course Title – Proposed: Financial Decision Analysis
Catalog Description – Proposed: Understanding the principles and use of accounting standards and systems, financial statements, the time value of money, asset pricing models, sources of funds, financial ratios, dividend and growth policies, and capital structure for financial decision making.

CC 6018, Economics 260, Introduction to Sports Economics. New course approved effective Spring 2006.
Catalog Description: The course uses economics to analyze the business of sports. The course is designed for students with both an introductory or broader economics background, but who have not studied the economics of sports. Topics include labor relations, stadium financing, league structure, competitive balance, amateurism, sports gambling and in-game strategy.
Credit Hours: 3 hour lecture
Prerequisites: Econ 121 or Econ 122

CC 6019, Mining Engineering 241, Principles of Mineral Processing. The following change is approved effective Spring 2006.
Credit Hours – Present: 2 hour lecture
Proposed: Lecture: 2 Lab: 1 Total: 3

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CC 6020, Mining Engineering 242, Mineral Processing Laboratory. Course deletion approved effective Spring 2006.

CC 6022, Basic Engineering 401, Special Topics. The following change is approved effective Fall 2005.
Discipline and Course Number – Proposed: IDE 401

CC 6023, Computer Engineering 411, Advanced VLSI Design. New course approved effective Spring 2006.
Catalog Description: Advanced topics in chip-level VLSI design, including issues related to high-performance, low-power, analog and mixed-signal circuits, reliability, noise and coupling mechanisms, computer aided design tools, and recent advances and trends in the field.
Credit Hours: 3 hour lecture
Prerequisites: Cp Eng 311

CC 6024, IDE 200, Special Problems. New course approved effective Fall 2005.
Catalog Description: (Variable) problems or readings on specific subjects or projects in the department.
Credit Hours: 1.0 – 6.0
Prerequisites: Consent of instructor

CC 6025, IDE 300, Special Problems. New course approved effective Fall 2005.
Catalog Description: (Variable) Problems or readings on specific subjects or projects in the department.
Credit Hours: Variable
Prerequisites: Consent of instructor

CC 6026, IDE 400, Special Problems. New course approved effective Fall 2005.
Catalog Description: (Variable) Problems or readings on specific subjects or projects in the department.
Credit Hours: Variable
Prerequisites: Consent of instructor

CC 6027, Computer Engineering 210, Electrical Engineering 210, Senior Seminar. Course deletion approved effective Fall 2006.

CC 6028, Computer Engineering 458, Mechanical Engineering 458, Aerospace Engineering 458, Systems Engineering 458, Adaptive Critic Designs. New course approved effective Spring 2006.
Catalog Description: Review of Neurocontrol and Optimization, Introduction to Approximate Dynamic Programming (ADP), Reinforcement Learning (RL), Combined Concepts of ADP and RL – Heuristic Dynamic Programming (HDP),

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Dual Heuristic Programming (DHP), Global Dual Heuristic Programming (GDHP), and Case Studies.
Credit Hours: 3 hour lecture
Prerequisites: EE 368 Neural Networks or equivalent (Computational Intelligence Comp Eng 301)

CC 6029, Electrical Engineering 231, Control Systems. The following change is approved effective Spring 2006.
Prerequisites – Present: Elec Eng 267
    Proposed: Elec Eng 265

CC 6030, Electrical Engineering 331, Digital Control. The following change is approved effective Spring 2006.
Prerequisites – Present: Elec Eng 231, Elec Eng 267
    Proposed: Elec Eng 231

CC 6031, Electrical Engineering 333, System Simulation and Identification. The following change is approved effective Spring 2006.
Prerequisites – Present: Elec Eng 231, Elec Eng 267
    Proposed: Elec Eng 231

CC 6032, Electrical Engineering 337, Neural Networks for Control. The following change is approved effective Spring 2006.
Prerequisites – Present: Elec Eng 231
    Proposed: Elec Eng 265

CC 6033, Electrical Engineering 338, Fuzzy Logic Control. The following change is approved effective Spring 2006.
Prerequisites – Present: Elec Eng 231
    Proposed: Elec Eng 265

CC 6034, Electrical Engineering 433, Current Topics in Control Theory. The following change is approved effective Spring 2006.
Prerequisites – Present: Elec Eng 435
    Proposed: Consent of Instructor

CC 6035, Electrical Engineering 438, Robust Control Systems. The following change is approved effective Spring 2006.
Prerequisites – Present: Elec Eng 435
    Proposed: Elec Eng 431

CC 6055, SoMEER 301, Special Topics. New course approved effective Fall 2005.

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Catalog Description: This course is designed to give the school an opportunity to test a new course. Variable title.
Credit Hours: Variable
Prerequisites: None

CC 6056, MSE 301, Special Topics. New course approved effective Fall 2005.
Catalog Description: This course is designed to give the school an opportunity to test a new course. Variable title.
Credit Hours: Variable
Prerequisites: None

For the information of the Academic Council, the following EC forms have been submitted by the University departments for an experimental course that will be offered in the near future.

Approved EC forms:
EC 1687, Business 301, Business Negotiations, approved effective Fall 2005.
Course Description: The purpose of this course is to understand the practices and processes of negotiation so that you can negotiate successfully in a variety of settings. The course is designed to be relevant to the broad spectrum of negotiation problems faced by managers, consultants, etc. Because almost everyone negotiates all the time, this course is relevant to almost any student pursuing a business career.
Credit Hours: 3 hour lecture
Prerequisites: At least Junior standing

EC 1691, Engineering Management 201, Introduction to Project Management, approved effective Spring 2006.
Course Description: This course covers the fundamentals of project management including project definition, project selection, project planning, estimating, scheduling, resource allocation and project control.
Credit Hours: 3 hour lecture
Prerequisites: none

EC 1692, Computer Engineering 301, Embedded Processor System Design, approved effective Spring 2006.
Course Description: Development of hardware and software for embedded systems. Course emphasizes aspects of embedded systems like real-time operating systems, advanced programming, communication schemes, hardware peripherals and sensors, control methodologies, printed-circuit board design, interrupts, microcontrollers, and hardware-software co-design. Course typically requires 1 or more team design projects.
Credit Hours: 3 hour lecture
Prerequisites: Cp Eng 213

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EC 1693, IST 301, Telecommunications Management, approved effective Spring 2006.
Course Description: Management of the business and technology aspects of
telecommunications services, including both the skills to manage a business and the
skills to effectively design, select, implement, and operate telecommunications
technology. Topics include managerial skills, technology planning, operations
management, and planning & acquisition management.
Credit Hours: 3 hour lecture
Prerequisites: none

EC 1694, IST 401, Bus 401, Enterprise Resource Planning: Systems Config and
Integration, approved effective Spring 2006.
Course Description: Implementation and design practices for business processes in
Enterprise Resource Planning (ERP) systems. The course will examine and apply
techniques used in SAP R/3 for system configuration and integration, with a focus
on logistics and finance.
Credit Hours: 3 hour lecture
Prerequisites: IST 346 or Bus 326; and Graduate Standing

EC 1697, Computer Engineering 401, VLSI Testing and Design for Test, approved
effective Spring 2006.
Course Description: The course covers the problems of VLSI testing, the design of
circuits for testability (DFT), and the use of IEEE Boundary SCAN standard.
Testing VLSI systems, especially the deep submicron (DSM) technology, has
become one of the most critical obstacles designing microprocessors and ASIC's. A
major objective is to develop and implement CAD tools that give solutions to VLSI
testing in DSM.
Credit Hours: 3 hour lecture
Prerequisites: Comp Eng 311

EC 1698, Computer Engineering 401, Systems Engineering 401, Network-Centric
Systems Reliability and Security, approved effective Spring 2006.
Course Description: This course presents reliability and fault tolerance techniques for
network-centric systems, including models, metrics, and analysis techniques. This
course also concentrates on security, including technical tools and methods for audit
and assessment as well as management and policy issues.
Credit Hours: 3 hour lecture
Prerequisites: Sys Eng/Comp Eng 419 or Cp Eng 349

EC 1699, Geological Engineering 301, Fractured Rock Characterization, approved
effective Fall 2005.
Course Description: Explores current theoretical approaches to characterizing joints,
cracks, faults, fractures, etc. in rock masses, for engineering and science. Topics

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include analysis of sampling, orientation, frequency, spacing, and size. Precursor to "Fractured Rock Behavior" course.
Credit Hours: 3 hour lecture
Prerequisites: Geology 220 or Min Eng 231 or equivalent

EC 1700, Electrical Engineering 401, Advanced Topics in Antenna Analysis & Design, approved effective Spring 2006.
Course Description: Introduction and discussion of advanced antenna design issues including aperture and microstrip antennas including simulation, design, and testing.
Credit Hours: 3 hour lecture
Prerequisites: EE 373

EC 1701, Mining Engineering 301, Demolition of Buildings and Structures, approved effective Spring 2006.
Course Description: Provide participants with basics and solid grounding in the equipment, techniques and processing equipment sites and non-mining structures such as buildings, factories, bridges etc.
Credit Hours: Lecture: 2 Lab: 1 Total 3
Prerequisites: IDE 50 or 140; and IDE 110 or Min 232; US citizen or permanent resident (to fulfill the requirements of the SAFE EXPLOSIVE ACT 2003). Resident enrollment at UMR (e.g. not distance or internet)

EC 1702, Geological Engineering 301, MSE 301, International Engineering & Design, approved effective Spring 2006.
Course Description: A multi-disciplinary engineering course focused on sustainable design, material selection, and technology transfer to developing countries. Course includes elements of traditional capstone design classes. Experiential learning through competitions and/or field work is a major component of the class.
Credit Hours: Lecture: 2 Lab: 1 Total: 3
Prerequisites: Senior standing, instructor approval

EC 1703, SoMEER 301, Materials Failure Analysis I, approved effective Spring 2006.
Course Description: Introduction of procedures in materials failure analysis and forensic investigations. Manufacturing processes, fractography, microstructure, elementary fracture mechanics, and corrosion will be discussed in the context of materials performance. Emphasis on aircraft indicent investigations. Additional failure/forensic investigations to include other transportation vehicles.
Credit Hours: 2 hour lecture
Prerequisites: Sr. standing.

EC 1704, IDE 401, Function-Based Risk Analysis, approved effective Fall 2005.

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Course Description: Risk analysis of products and systems will be explored using product functionality as the starting point. Traditional probabilistic risk assessment techniques will be covered along with recent approaches that use historical data to produce automatic risk assessments.

Credit Hours: 3 hour lecture

Prerequisites: IDE 420/ME 461 and graduate student standing

EC 1705, CE 301, Arch Eng 301, Metallic Structures in Architecture, approved effective Fall 2005.

Course Description: Overview of the main challenging applications of steel and aluminum in urban habitats, with reference to multi-story buildings, bridges, large roofing systems, and other special structures. Design criteria, structural schemes, and material selections are discussed. The relationship between structural and architectural features is emphasized.

Credit Hours: 3 hour lecture

Prerequisites: Civ Eng/Arch Eng 221

EC 1709, Min Eng 301, Design Elements of Mine Environmental Engineering, approved effective Fall 2005.

Course Description: Design elements for mine environmental engineering including models for rainfall prediction, soil-loss prediction, design of terraces and diversions, and design of impoundment capacity and impoundment structures; digital mapping of terrain and soils; soil restoration; and selection of species for revegetation.

Credit Hours: 3 hour lecture

Prerequisites: none

J. Keith Nisbett, Chair
UMR Campus Curricula Committee

Enrollment Management Update
Center for Pre-College Programs

UMR

1. 49 teachers participated in Project Lead The Way (PLTW), Summer Training Institute.

2. 20 Student attend the first year of Missouri Academy for Youth Advancement.

3. 58 Educators attend the fall Project Lead The Way (PLTW) Conference.

4. The Center for Pre-College Programs (CPCP) is fully staffed and operational. The center web site went live on Nov. 2, 2006. Please check the website for updates on pre-college programs.

5. 51 students attended the two Minority Introduction to Technology & Engineering (MITE) camps

Enrollment Management Update
Women's Leadership Institute and Student Diversity Programs

1. On November 3, over 550 7th and 8th grade girls will be on campus to participate in the Expanding Your Horizons conference.
   http://dce.umr.edu/NonCredit/PreCollege/2006_EYH.html

2. On November 4-6th, students from UMR's National Society of Black Engineers (NSBE) and Society of Hispanic Professional Engineers (SHPE) chapters will be attending regional conferences in Kansas City and Chicago, respectively.

3. On November 11, UMR will host its annual Diversity Showcase in conjunction with the second fall Open House. This is designed to give underrepresented students in the St. Louis and Kansas City areas the chance to come to campus for the day and participate in Open House and visit with departments and faculty, and attend special student and alumni panels to discuss the highlights of a UMR education.

4. WLI/Women in Science & Engineering (WISE) and SDP/Minority Engineering & Science Program (MEP) hosted the largest "Night to Network" in the history of that program with over 200 UMR students and 100 industry attendees the night before the fall Career Fair. This event is an opportunity for women and minority students to informally network with company recruiters to get to know the learn tips about successful networking.

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WLI & SDP Update Cont.

5. On October 12-14, five UMR Society of Women Engineers (SWE) members and two UMR staff attended the national SWE Conference in Kansas City, MO.

6. On October 13, 3 UMR SDP staff members plus 14 UMR minority students visited 12 Kansas City area high schools as part of the Si Se Puede minority recruitment program to encourage underrepresented students to consider careers in the METS fields and to bring them to campus on November 9-11 to participate in the Si Se Puede portion of the Diversity Showcase.

7. On October 24, the Education Policy Institute conducted a research gathering visit to UMR on behalf of the National Action Council for Minorities in Engineering (NACME) organization to evaluate its block grant scholarship program, now in its fourth year at UMR. Dr. Watson Scott Swail and Ms. Patty Shaffer visited with minority student participants, deans, faculty, and Student Diversity and Women's Leadership Institute staff to gather information about such items as student climate and success, barriers or challenges to the program, graduation and retention rates of NACME scholars and best practices. UMR was selected as one of 3 universities to be visited due to programs successful growth in recruiting, retaining and graduating underrepresented students in math, engineering, science and te fields.

Enrollment Management Update
New Student Programs

1   **PRO COUNT** - 102 freshmen signed up for 2007 PRO dates

9 transfer students signed up for SP2007 Transfer Orientation

2. **2007 PRO Dates**

Saturday February 24

Friday March 9

Saturday April 14

Friday April 20

Saturday April 28

Friday June 8

Friday June 15

Friday June 22

Saturday August 11

3. **2007 Transfer Orientation Dates**

Friday January 5

Thursday August 16

4. **2007 Opening Week Dates**

August 11 to August 18

5. PRO LEADERS

9 new PRO Leaders hired

11 Senior PRO Leaders returning

1 Student Coordinator

PRO Leader staff shows a variety of majors and years

Annual PRO Leader Leadership Retreat scheduled for November 4

6 FRESHMEN PRO ADVISING

Training sessions for advisors scheduled for January 29 & 30 2007 from

3 00 to 4 30 location to be announced (all faculty are invited)

7. ID Office

ID card with 2nd stripe on back is in the process of being phased in to

coordinate with the Library's Copy Center

Enrollment Management Update
Admissions

UMR

1. **Admit stats**
   Freshmen FS2007 Admits: 712 compared to 614 in FS06, 16% increase
   Spring 07 Transfer Admits: 52 compared to 54 in 06, down 2%
   Spring 07 Grad admits: 141 compared to 164 in 06, down 14%
   CAS Freshmen Admits: 106 compared to 84 last year (up 26%)
   SMIS Freshmen Admits: 15 compared to 8 in 06 (up 88%)

2. **Campus visitors up in every category:**
   Individual visitors 413 compared to 374 last year (up 10.4%)
   Miner Days up 6%

3. **Upcoming Events**
   Transfer Advising Day, Nov 10
   Fly-In Weekend, Nov 9-11: 20 students signed up representing: Germany, SC, NY, CT, FL, TX, IL, NE, CO, OH, TN, MI, MA (7 women and 13 men-the one from Germany is a girl!)
   2nd Fall Open House (and Diversity Showcase and Si Se Puede): Nov 11, over 100 students signed up to date
   Scholars Day: December 2: Chancellor Scholarship Interviews (Rolla)

UMR

4. Telecounseling and Mailing Subjects:

Congratulations on admits, encourage attendance at Special
Events, confirm special event and HS visit, Scholarship Deadline,
Apply, Visit,

5. Completed events:

First Fall Open House, Sept 22
AUC Reception, Atlanta, Sept 27
Rolla Night (St. Louis) Oct 5
Emerson Dinner, Oct 11
Transfer Conference at UMR, Oct 12
Transfer Advising Day (Rolla), Oct 20
NACAC Fair, St. Louis, Oct 22
East Central Math & Science Night, Union, Oct 24
Transfer Day (Rolla), Oct 27
Forest Hills, Oct 27
3 October Miner Days
UMR Night in Springfield, Oct 30
Hundreds of High School visits by Counselors, over 100 fairs by Staff or
Alumni (non-Missouri Fairs)
Visits to five of the key Math/Science Academies: Missouri, Oklahoma
Illinois, Arkansas and Texas

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Enrollment Management Update
Registrar's

1. Preregistration for Spring 2007 is underway. By the fourth day over 1,300 students had self-registered using Joe'SS.

2. Commencement information is being distributed to Fall candidates.
   Visit http://campus.umr.edu/registrar/commencement/ .

3. Last day for students to drop a class or withdraw from school is November 10.

4. This will be the first semester of no classes the week of Thanksgiving.

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Interesting Fact:

Outstanding programs in Business, Economics, English, Finance, History, Management Information Systems, Psychology, etc. exist at technological research universities.

Examples:

➢**Massachusetts Institute of Technology**

➢**Georgia Institute of Technology**

➢**Rensselaer Polytechnic Institute**

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Arts and Sciences

UMR

- **UMR hired a total of 18 new tenure track faculty members in FY06 and FY07.**
  - ➢ 8 tenure track hires were in Arts and Sciences, including English, Philosophy, and Psychology
  - ➢ Currently searching for tenure track faculty in Computer Science, History, Spanish, and Technical Communication

- **This years' A&S budget has been supplemented by over $890,000**

- **Potential graduate programs**

Name Recognition Among College-Bound Students Outside of Missouri

UMR

- **Even with the increased recruiting efforts since 2000, of the more than 1.1 million ACT testers in 2006, only 551 non-Missouri high school seniors sent ACT scores to UMR.**

- **238 of the 551 out-of-state ACT scores were from students interested in engineering.**

- **UMR is 9th in Missouri for number of ACT scores received from out-of-state students.**

Trends in Engineering

**Potential United States Undergraduate Engineering Majors
All College Bound, ACT Tested Students Interested in Any
Engineering Field**
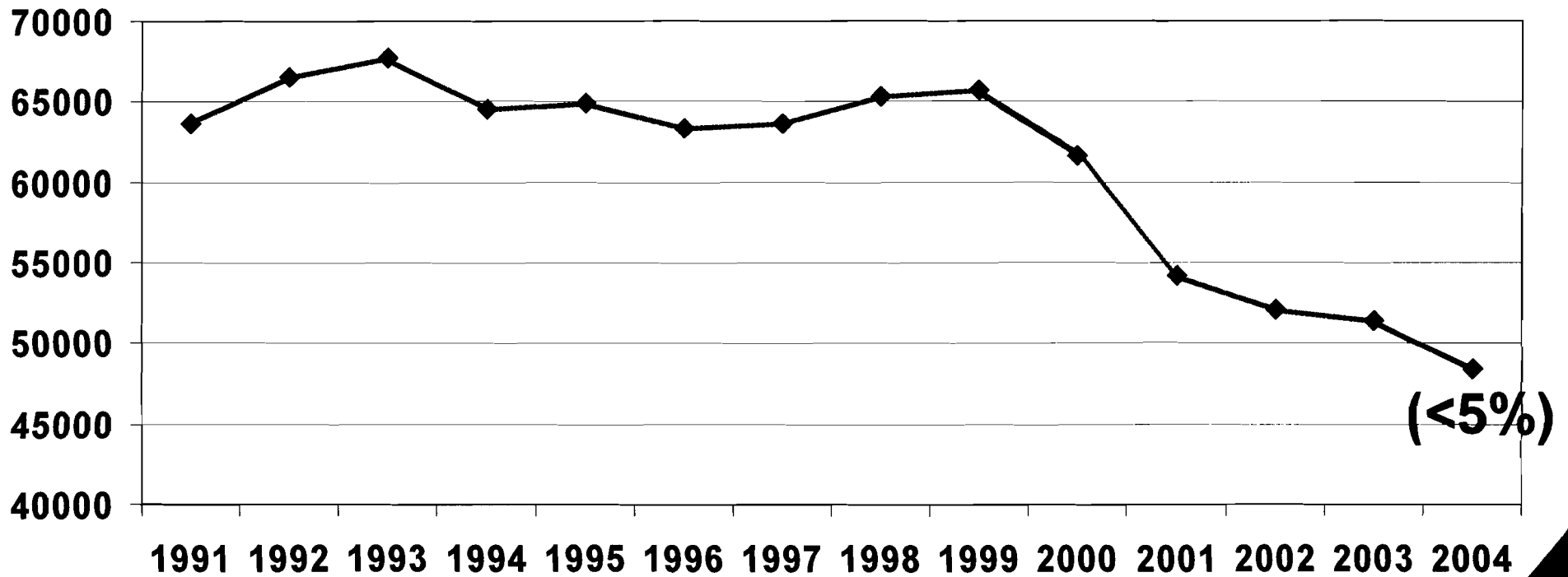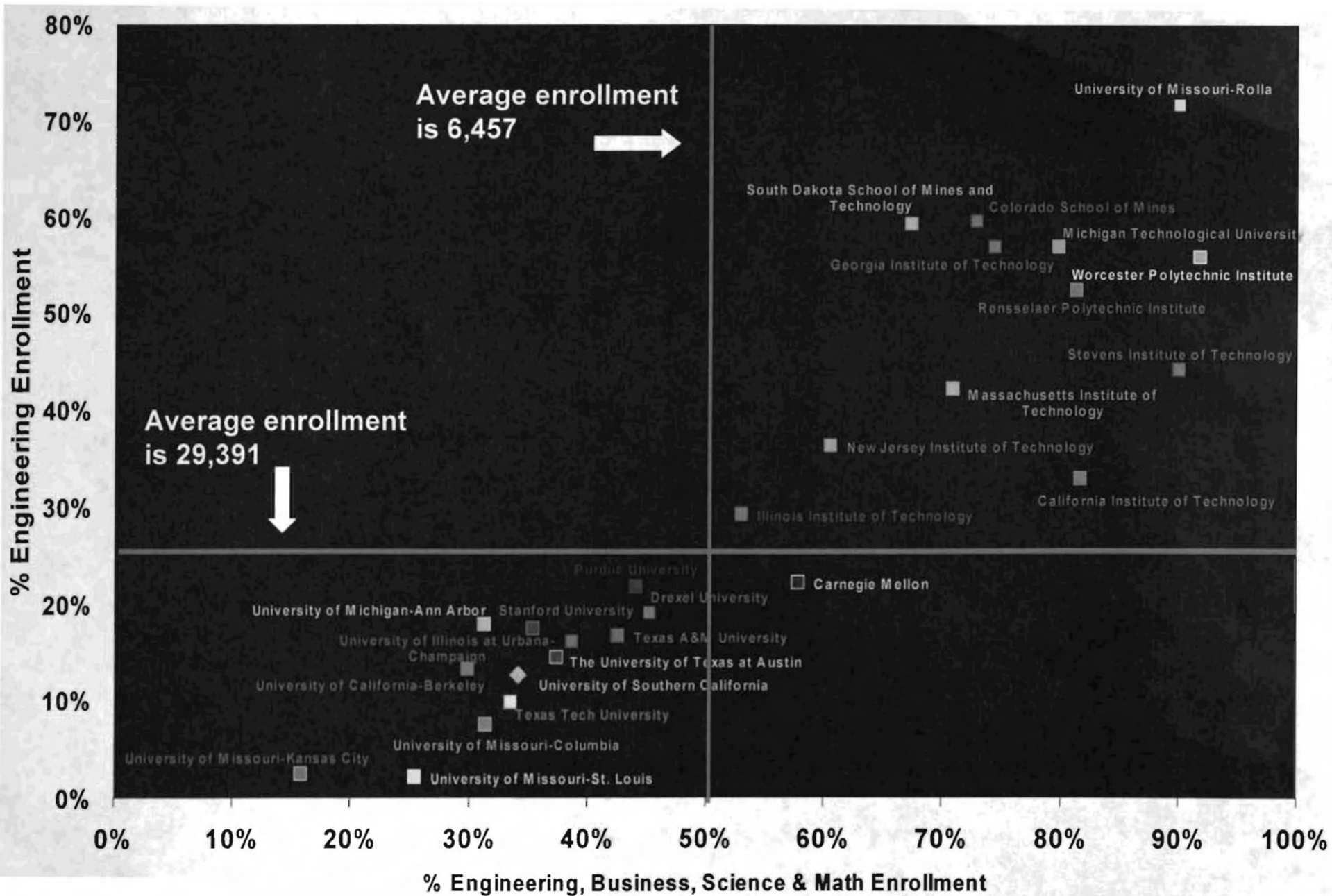
The Arts and Sciences departments are critically important to the future of our University.

14

Are we seeking an enhanced national reputation with a branch campus, regional name?
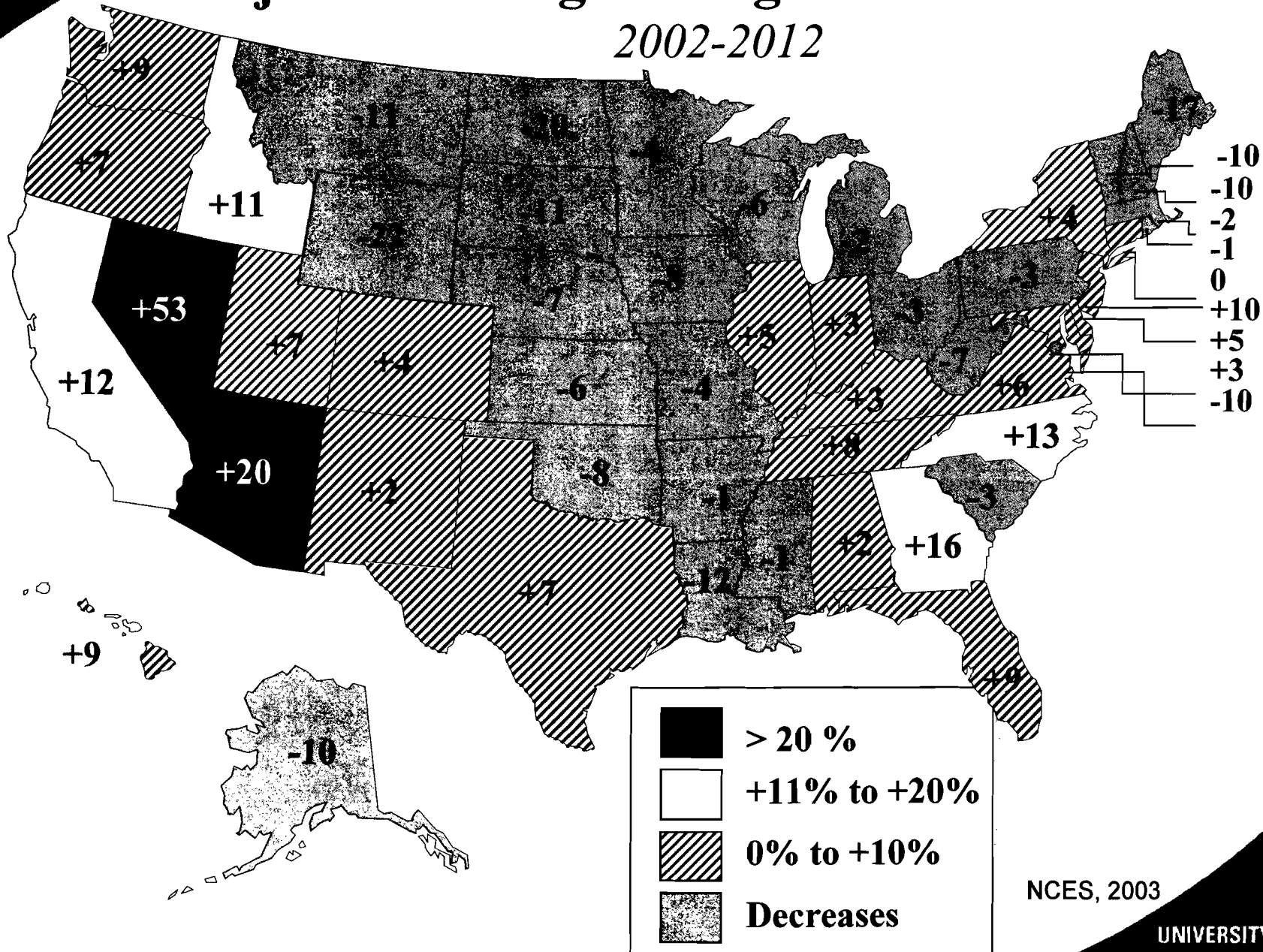
15

Missouri Public HS Graduates

1987-88 to 2001-02 (actual), 2002-03 to 2017-18 (projected)

UMR
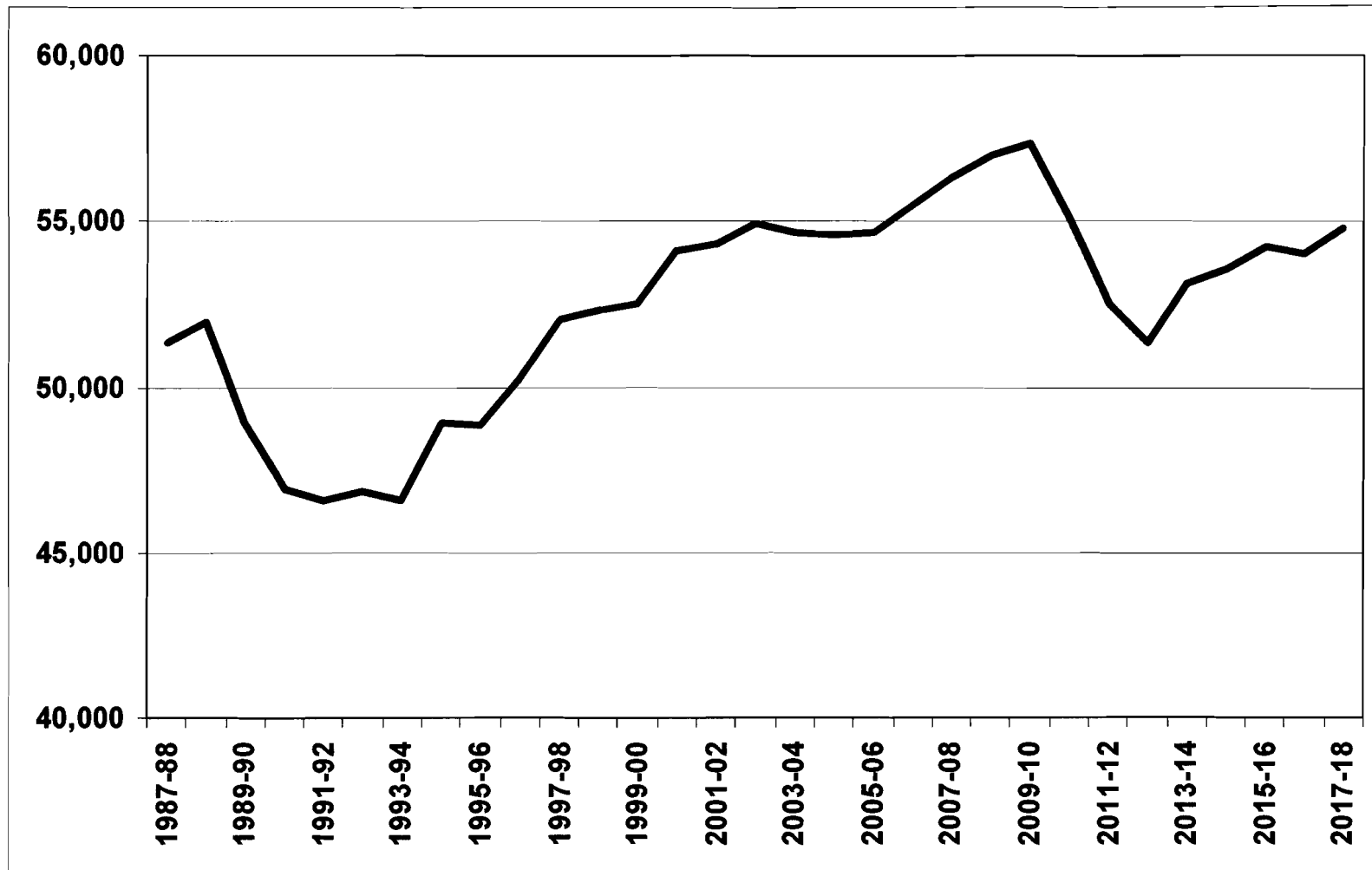
WICHE: Knocking at the College Door, 2003

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16

Projected Change in High School Graduates
2002-2012

NCES, 2003

Missouri's 2005 Student Funnel for All Engineering Fields

UMR

- **Public High School Seniors Cohort:**   67,074

- **Public High School Graduates:**   57,495

- **All ACT Testers/College Bound:**   42,705

- **Any Engineering Interest, all scores:**   1,519

- **Engineering Interest,** +21 comp. score: 1,028
  (21 = MO average score / 50%)

- **Engineering Interest,** +24 comp. score: 769
  (24 = UM minimum for auto admission)

- **UMR's Freshmen Engineering Majors**   560
  from Missouri

18

Campus Budgetary Affairs Committee Survey for FY2006: Report and Recommendations

UMR

Survey Details

- **Faculty were polled to solicit their opinions regarding the following general budget issues:**
  - The model to be used for addressing the budget shortfall (two models: flat 5% cut and the Provost's model)
  - Facets of the plan to address the budget shortfall
    - e.g.: tax indirect returns, require academic year release before allowing 3 months summer support, delay start of new programs, etc.)
- **Data was evaluated at the campus and school levels (i.e., top five priorities for reductions)**
- **Results summarized: model favored, priorities for areas to save, campus vs. school responses**
- **113 faculty members responded to the survey**
- **Survey was reviewed by members of Eng. Man. to eliminate bias in questioning**

Model A vs. B

- Model A: Flat 3.372% cut for each unit (academic and administrative)

- Model B: Suggested by Provost Shah after discussions with various campus constituencies

# Results of Model Application

- **Examples:**

|	Model A	Model B
COAS	$474,476	$450,000
Eng	$625,013	$700,000
SMIS	$98,985	$100,000
SoMEER	$204,234	$250,000
Enroll Man	$107,543	$50,000
Spon Prog	$87,819	$125,000
Univ Adv	$105,648	$50,000
Ext. Learning	$39,176	$75,000
Adm. Services	$227,691	$250,000
Info Access & Tech. Services	$241,616	$250,000
Student Affairs	$106,673	$70,000
Chancellor	$29,845	
Provost	$27,088	

Survey Results: Model A vs. B

Response for the choice of models
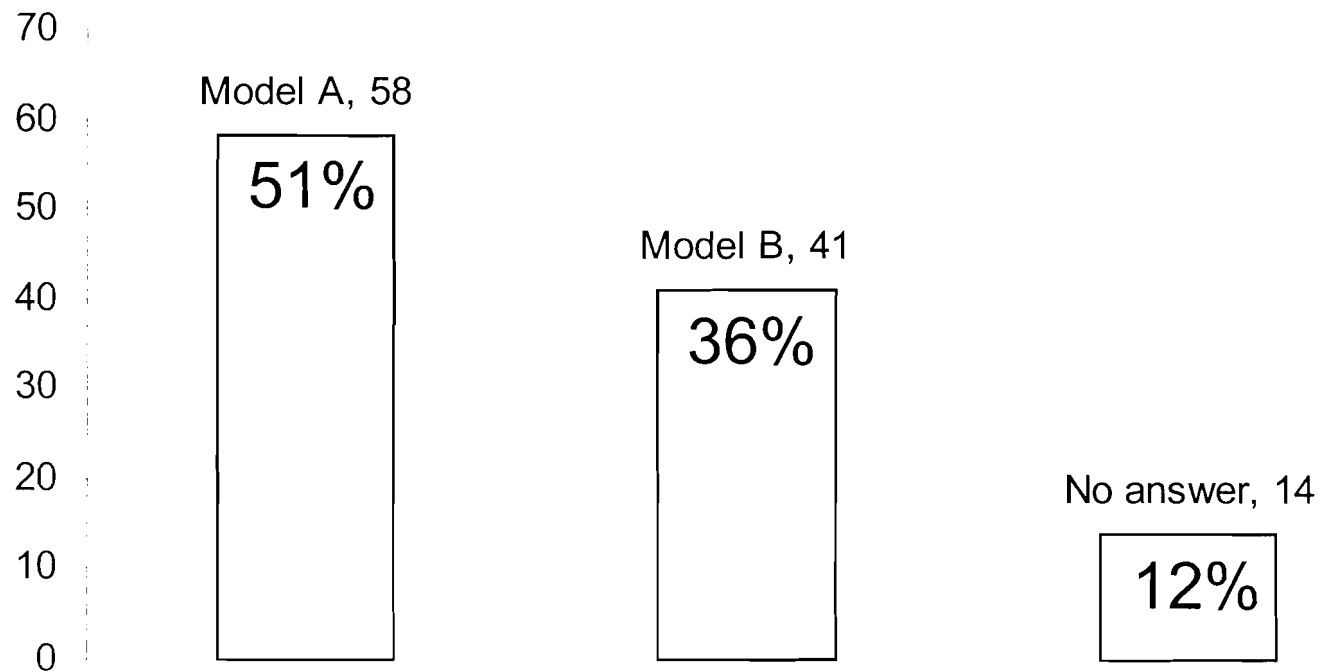
Response to Proposed Campus Cost Reductions

- Rating scheme: 5 pts for 1st choice, 4 pts for 2nd choice, etc.
- Increase consolidation and streamlining of administration: 339
- Increase efficiencies and consolidation of services: 218
- Reduce support to research centers: 164
- Freeze all hiring: 139
- Reduce payroll by closing something down: 139
- Eliminate E&E increase: 107
- Require acad. yr. release before 3 months summer support: 97
- No raises: 95
- Reduce dedicated indirect from 25% to 20%: 76
- Support graduate education through research: 61
- Department scholarship funds used to offset GO funds: 35
- Other suggestions: 28
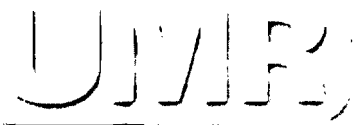
Note: question – Please indicate priority you would Give to each of the above <u>proposed campus cost reductions</u>

Response to Proposed Academic Unit Cost Reductions(All Schools)

- Rating scheme: 5 pts for 1st choice, 4 pts for 2nd choice, etc.
- Delay start of new programs: 364
- Reduce the Dean's Reserve Fund (if any): 212
- Tax Distance Education Returns: 144
- Reduce funding for GRAs: 133
- Tax carry forward accounts from prior FY: 124
- Reduce departmental E&E: 110
- Reduce funding for GTAs: 86
- Tax Indirect returns: 84
- Move part of faculty & staff S&W to soft money: 78
- Tax endowment income & development accounts: 74
- Other suggestions: 20

Note: Above question – Indicate your level of overall support for possible alternatives/additional academic unit cost reductions

Arts and Sciences Response
(25 responses)

- Rating scheme: 5 pts for 1st choice, 4 pts for 2nd choice, etc.
- #1: Delay start of new programs: 84
- #2: Tax distance education return: 50
- #3: Reduce the Dean's Reserve Fund (if any): 48
- #4: Tax carry forward accounts from prior FY: 35
- #5: Reduce funding for GRAs: 29

School of Engineering Response
(32 Responses)

- #1: Delay start of new programs: 105
- #2: Reduce the Dean's Reserve Fund (if any): 68
- #3: Move part of Faculty & Staff to soft money: 37
- #4: Tax carry forward accounts from prior FY: 36
- #5: Reduce departmental E&E: 34

SoMEER Response (9 responses)

- **Delay start of new programs**
  - 7 strongly support; 2 neutral
- **Reduce the Dean's reserve fund, if any**
  - 2 strongly support; 2 support; 4 neutral; 1 oppose
- **Tax Distance Education Returns**
  - 1 strongly support; 1 support; 6 neutral; 1 strongly oppose
- **Tax carry forward accounts**
  - 4 support; 2 neutral; 3 oppose
- **Move part of Faculty & Staff to Soft Money**
  - 3 support; 3 neutral; 3 oppose
- **Reduce Department E&E**
  - 1 support; 6 neutral; 1 oppose; 1 strongly oppose

SMIS Response (4 responses)

- **Delay start of new programs:**
  - 1 support; 1 oppose; 2 strongly oppose
- **Reduce the Dean's reserve fund, if any**
  - 1 support; 2 neutral; 1 oppose
- **Tax Distance Education Returns**
  - 1 strongly support; 1 support; 1 neutral; 1 oppose
- **Tax carry forward accounts**
  - 3 support; 1 neutral
- **Move part of Faculty & Staff to Soft Money**
  - 1 support; 3 neutral
- **Reduce Department E&E**
  - 1 support; 3 neutral

Summary of Responses on New Programs and Building Issues

	Start in FY'06	Delay till new funds obtained	Delay until FY'07	No opinion or no answer
Bio-Eng Program	23.0	56.6	15.0	5.4
MBA Program	12.4	67.3	14.2	6.1
UCE Renovation	12.4	70.8	11.5	5.3
ME Building	21.2	64.6	6.2	8.0

All values reported as percent of 113 respondents.

Summary of Faculty Consensus

- Increase consolidation and streamlining of administration
- Increase efficiencies and consolidation of services
- Delay funding of any new programs
- Delay construction of new ME building and renovation of UCE

Committee Recommendation

- Academic Council endorsement of the report and that it be forwarded to the Chancellor, Provost, and academic Deans for their deliberation of FY2006 budget adjustments.