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CURRICULUM SUBCOMMITTEE MINUTES
6 February 2014

A meeting of the Curriculum Subcommittee of the Educational Policies Committee was held on 6 February 2014 at 2 p.m. in Old Main 136 (Champ Hall Conference Room).

Present: Ed Reeve, Chair,
Ed Reeve, College of Agriculture
Kathy Chudoba, Huntsman School of Business (representing Frank Caliendo)
Scott Hunsaker, Emma Eccles Jones College of Education and Human Services
Dean Adams, College of Engineering
Michael Lyons, College of Humanities and Social Sciences
Karen Mock, Quinney College of Natural Resources
Richard Mueller, College of Science
Norm Jones, General Education Subcommittee Chair
Steve Beck, Graduate Council
Kacy Lundstrom, Libraries
Travis Peterson, Regional Campuses and Distance Education
Robert Powell, USU- Eastern
Roland Squire, Registrar's Office
Cathy Gerber, Registrar's Office

Absent: Nicholas Morrison, Caine College of the Arts
Brittney Garbrick, Graduate Studies Senator

Visitors: Larry Smith, Exec SR Vice Provost
Richard Cutler, Department Head, Mathematics and Statistics
Chris Corcoran, Associate Department Head, Mathematics and Statistics
Jan Kelley-King, Communicative Disorders and Deaf Education
Dawn Kirby, SR Associate Dean, College of Humanities and Social Sciences

Norm Jones moved to approve the minutes of the 9 January 2014 meeting. Dean Adams seconded; motion approved.

Richard Mueller moved to approve the business of the College of Agriculture and Applied Sciences. Kathy Chudoba seconded; motion approved.

College of Agriculture and Applied Sciences

Department of Agricultural Systems Technology and Education

New Course

ASTE 6460	Integrating Career and Technical Education Curriculum with Science, Technology, Engineering, and Mathematics Effective Spring 2014	3 cr.
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Department of Nutrition, Dietetics and Food Sciences

Title Change, Course Description Change

NDFS 4750	Transition to Professional Practice Previously Management of Dietetics Effective Spring 2015	2 cr.
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Title Change, Prerequisite Change, Course Description Change

NDFS 4760	Transition to Professional Practice Lab Previously Management of Dietetics Lab Prerequisite: Must be enrolled in final year in Coordinated Program in Dietetics (CPD) or Didactic Program in Dietetics (DPD) Effective Spring 2015	2 cr.
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School of Applied Sciences, Technology and Education

New Course

FCSE 2520	Managing FCCLA Effective Spring 2014	1 cr.
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Kathy Chudoba moved to approve the business of the Jon M. Huntsman School of Business. Norm Jones seconded; motion approved.

Jon M. Huntsman School of Business

Department of Accounting

Grade Mode Change

ACCT 4300	Accounting Internship Change to Pass/Fail Only Spring 2014	3 cr.
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ACCT 6300	Accounting Internship Change to Pass/Fail Only Spring 2014	3 cr.
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Department of Economic and Finance

Prerequisite Change

FIN 5250 Banking Regulation 3 cr.
Prerequisites: Grade of B- (2.67) or better in FIN 3400; admittance to a USU major; cumulative GPA of 2.67 or higher; completion of at least 40 credits.
Effective Spring 2015

Course Number Change, Prerequisite Change

FIN 5300 Fixed Income 3 cr.
Previously FIN 6300
Prerequisite: FIN 4410 and FIN 4460 or accepted into the Master of Financial Economics Program
Effective Spring 2015

Course Number Change, Title Change, Prerequisite Change, Course Description Change

FIN 5440 Cases in Finance 3 cr.
Previously FIN 6440, Financial Decision Making
Prerequisites: FIN 4410 and FIN 4460 or accepted into the Masters of Financial Economics Program
Effective Spring 2015

Scott Hunsaker moved to approve the business of the Emma Eccles Jones College of Education and Human Services. Richard Mueller seconded; motion approved.

Emma Eccles Jones College of Education and Human Services

Department of Communicative Disorders and Deaf Education

New Course

COMD 5910 Interpreting I: Vocabulary Development 3 cr.
Prerequisites: Permission of instructor
Effective Spring 2014

COMD 5920 Interpreting II: Legal Issues and Interpreting 3 cr.
Prerequisites: Permission of instructor
Effective Spring 2014

COMD 5930 Interpreting III: Current Issues and Trends 3 cr.
Prerequisites: Permission of instructor
Effective Spring 2014

Prerequisite Change

COMD 3910 American Sign Language II 4 cr.
Prerequisite: Grade of B- or better in COMD 3010
Effective Fall 2014

Title Change, Prerequisite Change, Course Description Change

COMD 4910/6910 American Sign Language III: Linguistics of ASL 4 cr.
Previously American Sign Language III
Prerequisites for COMD 4910: Grade of B- or better in COMD 3910
Prerequisites for COMD 6910: Grade of B- or better in COMD 3910
or permission of instructor
University Studies Designation: CI
Effective Fall 2014

COMD 4920/6920 American Sign Language IV: Academic Use of ASL 4 cr.
Previously American Sign Language IV
Prerequisites for COMD 4920: Grade of B- or better in COMD 4910
Prerequisite for COMD 6920: Grade of B- or better in COMD 4910
or 6910 or permission of instructor
Effective Fall 2014

Prerequisite Change

COMD 5740/6740 Teaching Reading to Deaf and Hard of Hearing Children 3 cr.
Prerequisite: Grade of B- or better in COMD 3910 or
permission of instructor
Effective Fall 2014

Department of Psychology

New Course

PSY 5600 Psychology Honors Seminar 1 cr.
Prerequisite: Must be an honors student majoring in Psychology
Pass/Fail Only
Repeatable for credit
Effective Spring 2014

School of Teacher Education and Leadership

Credit Hour Change

TEAL 6370 Supervised Internship in Reading and Writing 3 cr.
Previously 1-3 cr.
Effective Fall 2014

Dean Adams moved to approve the business of the College of Engineering. Kathy Chudoba seconded; motion approved.

College of Engineering

Department of Electrical and Computer Engineering

Add Multiple List

ECE/MAE 5320 Mechatronics 4 cr.
Add multiple list of MAE 5320
Effective Fall 2014

Inactivate Course
ECE 5340 Mobile Robots 4 cr.
Effective Fall 2014

ECE/MAE 6350 Robotics 3 cr.
Effective Fall 2014

Delete Course
ECE/MAE 7750 Distributed Control Systems 3 cr.
Effective Fall 2014

Department of Mechanical and Aerospace Engineering

Inactivate Course
MAE/ECE 7350 Intelligent Control Systems 3 cr.
Effective Fall 2014

Michael Lyons moved to approve the business of the College of Humanities and Social Sciences.
Norm Jones seconded; motion approved.

College of Humanities and Social Sciences

Department of Languages, Philosophy and Communication Studies

New Course
SPAN 4930 Topics of U.S. Latina/o Literature and Culture 3 cr.
Prerequisites: Completion of at least two of the following courses:
SPAN 3600, 3610, 3620, 3630 and 3640
Repeatable for credit
Effective Spring 2014

University Studies Request
ARBC/HIST/RELS 3030 Introduction to Islam 3 cr.
Add University Studies Designation of DHA
Effective Spring 2014

Karen Mock moved to approve the business of the S. J. and Jessie E. Quinney College of Natural Resources. Richard Mueller seconded; motion approved.

S. J. and Jessie E. Quinney College of Natural Resources

Department of Environment and Society

New Course
ENVS 4030/6030 Contemporary Tribal Natural Resource Management 3 cr.
Effective Spring 2014

Department of Watershed Sciences

Prerequisite Change

WATS 4490/6490 Small Watershed Hydrology 4 cr.
No Prerequisites required for WATS 6490
University Studies Designation: QI
Effective Spring 2014

Department of Wildland Resources

Credit Hour Change, Prerequisite Change

WILD 3800 Wildland Ecosystems 4 cr.
Previously 3 cr.
Prerequisites: BIOL 1620 and BIOL 2220 or NR 2220
Effective Fall 2014

Prerequisite Change

WILD 3810 Plant and Animal Populations 3 cr.
Prerequisites: BIOL 2220 or NR 2220 and one of the following:
MATH 1100 or STAT 2000 or STAT 3000
Effective Fall 2014

WILD 4500 Principles of Wildlife Management 3 cr.
Prerequisite: WILD 3810
Effective Fall 2014

WILD 4750 Monitoring and Assessment in Natural Resource and
Environmental Management 3 cr.
Prerequisites: BIOL 1610, BIOL 1620, BIOL 2220 or NR 2220,
MATH 1100, STAT 2000 or STAT 3000
Effective Spring 2014

WILD 5560/6560 Applied Avian Ecology 3 cr.
Prerequisites: BIOL 1620 and BIOL 2220 or NR 2220
Effective Fall 2014

Prerequisite Change, Course Number Change

WILD 3850 Vegetation and Habitat Management 3 cr.
Previously WILD 4850
Prerequisite: WILD 3800
Effective Fall 2014

Richard Mueller moved to approve the business of the College of Science. Kathy Chudoba seconded; motion approved.

College of Science

Department of Chemistry

New Course

CHEM 5100 Computational Chemistry 3 cr.
Prerequisite: CHEM 3070 or permission of instructor
Effective Spring 2014

Department of Mathematics and Statistics

New Course

MATH 0995 College Mathematics Preparation 4 cr.
Prerequisites: One of the following within the last year or three consecutive semesters (including summer): Grade of C-or better in MATH 0950; or satisfactory score on the Math Placement Exam.
Effective Spring 2014

STAT 1045 Introduction to Statistics with Elements of Algebra 5 cr.
Prerequisites: One of the following within the last year or three consecutive semesters (including summer): Grade of C-or better in MATH 0990 or a higher level mathematics course; or satisfactory score on the Math Placement Exam
Effective Spring 2014

Other Business

Scott Hunsaker moved to postpone the request from the Department of English to change the name of the Online Master of Science in English with Specialization in Technical Writing to Master of Technical Communication. Michael Lyons seconded; motion approved

Richard Mueller moved to approve the request from the Department of Mathematics and Statistics to discontinue the Plan C Options in the MS Degree in Mathematics and the MS Degree in Statistics. Dean Adams seconded; motion approved pending revisions. (see below)

Richard Mueller moved to approve the request from the Department of Mathematics and Statistics to restructure the PhD in Mathematical Sciences by reducing the number of credits required. Scott Hunsaker seconded; motion approved pending revisions. (see below)

Dual Listed Courses:

Currently, the rule is no dual listing is permitted among the 1000-5000 courses. This creates a problem for the Emma Eccles Jones College of Education and Human Services. Professional Development courses taken by post bachelor's teachers for recertification and endorsements are typically 5000 level courses. Can an exception be made to dual list the 3000 level and 5000 level courses that the Emma Eccles Jones College of Education and Human Services students take?

The Registrar's Office will review the Curriculum Subcommittee Handbook and Regents Policy and gather data from Banner and the General Catalog and submit this information to Scott Hunsaker and Richard Mueller who will propose a policy concerning this matter.

Meeting adjourned 2:45 p.m.

Ed Reeve conducted the meeting.

Cathy Gerber recorded the minutes.

Cover/Signature Page - Abbreviated Template

Institution Submitting Request: Utah State University

Proposed Title:

Currently Approved Title: Plan C Masters Degree in Mathematics

School or Division or Location: College of Science / Graduate School

Department(s) or Area(s) Location: Mathematics and Statistics

Recommended Classification of Instructional Programs (CIP) Code¹ (for new programs):

Current Classification of Instructional Programs (CIP) Code (for existing programs): 40.0801

Proposed Beginning Date (for new programs): Upon Approval

Institutional Board of Trustees' Approval Date:

Proposal Type (check all that apply):

R401-5		R401-6	
<i>Items submitted will be reviewed by OCHE. If there are any issues, the proposal will be returned for clarification/correction. If no issues, the proposal will be returned with a note of approval and the request will be placed on the General Consent Calendar of the next Regents' agenda.</i>		<i>Items submitted will be reviewed by OCHE. If there are any issues, the proposal will be returned for clarification/correction. If no issues, the proposal will be returned with a note of approval and the request will be placed on the General Consent Calendar of the next Regents' agenda.</i>	
Section #	Item	Section #	Item
4.1.5.2	<input type="checkbox"/> Minor*	6.1.1	<input type="checkbox"/> Reinstatement of Previously Suspended Program
5.1.1.1	<input type="checkbox"/> New Emphasis on an Existing Degree*	6.1.5	<input type="checkbox"/> Reinstatement of Previously Suspended Unit
5.1.2	<input type="checkbox"/> Certificate of Proficiency Not Eligible for Financial Aid		
5.1.3	<input type="checkbox"/> Out-of-Service Area Delivery of Programs		
5.1.4	<input type="checkbox"/> Name Change of Existing Programs		
5.1.5	<input type="checkbox"/> Program Transfer		
	<input type="checkbox"/> Program Restructure		
	<input type="checkbox"/> Program Consolidation		
5.1.6	<input checked="" type="checkbox"/> Program Discontinuation		
	<input type="checkbox"/> Program Suspension		
5.1.7	<input type="checkbox"/> Administrative Unit Creation		
	<input type="checkbox"/> Administrative Unit Transfer		
	<input type="checkbox"/> Administrative Unit Consolidation		
5.1.8	<input type="checkbox"/> New Center		
	<input type="checkbox"/> New Institute		
	<input type="checkbox"/> New Bureau		
5.1.9	<input type="checkbox"/> Graduate Certificate		

*Requires "Section VI: Program Curriculum" of Abbreviated Template

Chief Academic Officer (or Designee) Signature:

I certify that all required institutional approvals have been obtained prior to submitting this request to the Office of the Commissioner.

Signature

Date: October 29, 2013

Printed Name: Dr. Larry Smith

¹ CIP codes must be recommended by the submitting institution. For CIP code classifications, please see <http://nces.ed.gov/ipeds/cipcode/Default.aspx?y=55>.

Institution Submitting Proposal: Utah State University

College, School or Division in Which Program/Administrative Unit Will Be Located:

Department(s) or Area(s) in Which Program/Administrative Unit Will Be Located:

Program/Administrative Unit Title:

Recommended Classification of Instructional Programs (CIP) Code:

Certificate, and/or Degree(s) to Be Awarded:

Proposed Beginning Date: Upon Approval

Institutional Signatures (*as appropriate*):

Department Chair

Dean or Division Chair

D. Richard Cutler
Dept. Head, Mathematics and Statistics

James A. MacMahon
Dean College of Science

Mark R. McLellan, Vice President for Research
and Dean of Graduate Studies

Date: October 29, 2013

**Program Request - Abbreviated Template
Utah State University
Department Mathematics and Statistics**

Discontinuation of the Plan C Options in the M.S. Degree in Mathematics/M.S. Degree in Statistics

Section I: Request

Recently the Department of Mathematics and Statistics (Math/Stat) completed a review of its graduate programs. Currently, Math/Stat Master's students can complete an M.S. degree in one of three disciplines: Mathematics, Statistics, or Industrial Mathematics. Within each, a student can select either the Plan A (at least 30 credits, including 6-15 credits of research), Plan B (at least 30 credits, including 3 credits associated with a required report), or Plan C (at least 33 credits, all coursework).

In the review of Math/Stat graduate programs it was found that the Plan C option is not substantially different from the Plan B option, and has not been supported in practice by departmental faculty for some time. The faculty of the Department of Mathematics and Statistics decided collectively at least 5 years ago to effectively end the Plan C by not offering funding to any incoming student not opting for Plans A or B. The Plan C option does not comprise any research component, with the undesirable consequence that students under Plan C do not contribute in a meaningful way to the research efforts of the Department. The request of this R401 is to eliminate the Plan C option from the MS degree program in Mathematics and in the M.S. degree program in Statistics

Section II: Need

The Plan C option is not needed, as it is not substantially different from the current Plan B M.S. degree in either Mathematics or Statistics, and provides no research experiences that (under Plans A and B) provide critical benefits both for students and faculty in the Department.

Section III: Institutional Impact

The proposed changes will not affect existing administrative structures or existing facilities and will have essentially no impact on faculty and staff requirements.

Section IV: Finances

No costs or savings are anticipated to result from these program changes.

Section V: Program Curriculum

*****THIS SECTION OF THE ABBREVIATED TEMPLATE REQUIRED FOR EMPHASES AND MINORS ONLY.*****

As this request is for dropping a program only, there is no program curriculum associated with this request.

Cover/Signature Page - Abbreviated Template/Abbreviated Template with Curriculum

Institution Submitting Request: Utah State University
Proposed Title: PhD in Mathematical Sciences
Currently Approved Title: PhD in Mathematical Sciences
School or Division or Location: College of Science
Department(s) or Area(s) Location: Department of Mathematics and Statistics
Recommended Classification of Instructional Programs (CIP) Code¹ (for new programs):
Current Classification of Instructional Programs (CIP) Code (for existing programs): 27
Proposed Beginning Date (for new programs): Upon Approval
Institutional Board of Trustees' Approval Date: MM/DD/YEAR

Proposal Type (check all that apply):

Regents' General Consent Calendar Items	
<i>R401-5 OCHE Review and Recommendation: Approval on General Consent Calendar</i>	
SECTION NO.	ITEM
5.1.1 <input type="checkbox"/>	Minor*
5.1.2 <input type="checkbox"/>	Emphasis*
5.2.1 <input type="checkbox"/>	Certificate of Proficiency*
5.2.3 <input type="checkbox"/>	Graduate Certificate*
5.4.1 <input type="checkbox"/>	New Administrative Unit
	Administrative Unit Transfer
	Administrative Unit Restructure
	Administrative Unit Consolidation
5.4.2 <input type="checkbox"/>	New Center
	New Institute
	New Bureau
5.5.1 <input type="checkbox"/>	Out-of-Service Area Delivery of Programs
5.5.2 <input checked="" type="checkbox"/>	Program Transfer
	Program Restructure
	Program Consolidation
5.5.3 <input type="checkbox"/>	Name Change of Existing Programs
5.5.4 <input type="checkbox"/>	Program Discontinuation
	Program Suspension
5.5.5 <input type="checkbox"/>	Reinstatement of Previously Suspended Program
	Reinstatement of Previously Suspended Administrative Unit

*Requires "Section V: Program Curriculum" of Abbreviated Template

Chief Academic Officer (or Designee) Signature:

I certify that all required institutional approvals have been obtained prior to submitting this request to the Office of the Commissioner.

Signature

Date: 10/29/2013

Printed Name: Larry Smith

¹ CIP codes must be recommended by the submitting institution. For CIP code classifications, please see <http://nces.ed.gov/ipeds/cipcode/Default.aspx?y=55>.

Institution Submitting Proposal: Utah State University

College, School or Division in Which Program/Administrative Unit Will Be Located:

Department(s) or Area(s) in Which Program/Administrative Unit Will Be Located:

Program/Administrative Unit Title:

Recommended Classification of Instructional Programs (CIP) Code:

Certificate, and/or Degree(s) to Be Awarded:

Proposed Beginning Date: Upon Approval

Institutional Signatures (*as appropriate*):

Department Chair

Dean or Division Chair

D. Richard Cutler
Dept. Head, Mathematics and Statistics

James A. MacMahon
Dean College of Science

Mark R. McLellan, Vice President for Research
and Dean of Graduate Studies

Date: October 29, 2013

Program Request - Abbreviated Template
Utah State University
Department of Mathematics and Statistics PhD
10/03/2013

Section I: Request

Following a comprehensive self-evaluation, and based on the resulting five-year strategic plan for graduate studies strategic, the Department of Mathematics and Statistics (Math/Stat) requests to restructure its PhD program. For this degree program the current credit hour requirements are 90 for BS to PhD and 60 for MS to PhD for incoming students. Math/Stat proposes that the minimum credit hours be reduced to 72 credit hours for the BS to PhD (an 18-credit change), and 45 credit hours for the MS to PhD (a 15 credit-hour change).

Section II: Need

The PhD degree in the Department of Mathematics and Statistics is a dynamic and flexible program designed to prepare candidates for careers in academic research and teaching, collaborative science, and public and private enterprise. To that end, degrees can be completed in four specialties: Pure and Applied Mathematics, Interdisciplinary Studies, College Teaching, and Statistics. The PhD is awarded based on a combination of coursework (required both by the department and student's dissertation committee), demonstrated mastery of the student's area of research, and novel scholarly research. Most PhD candidates in the Department currently require more than 4 years (generally 5-6) to complete their respective programs, regardless of whether they begin either with a BS or MS. Reducing the required credit hours will unquestionably encourage greater efficiency in engaging students more quickly in their research areas and shorten their years to completion. However, aside from merely shortening the course requirements, there are several compelling reasons why this change will significantly improve the health of the Department's PhD program.

- First, nearly all of the Department's PhD students enter the program having taken some of the courses that are offered in the Department, and which they repeat for no other reason than the need to fulfill credit requirements.
- Second, in comparison to other departments of mathematics and statistics, and certainly relatively to other disciplines, PhD students in the Department of Mathematics and Statistics gain significant experience in the classroom. Most of the Department's graduate students are funded through teaching assistantships, providing an invaluable service for a department that covers more than 7% of all credit hours on the USU Logan campus. This benefits the graduate students in multiple ways: providing financial support, preparing them for potential careers that include teaching and mathematics education, and building their mastery of mathematical and statistical principles by teaching and mentoring others. In other words, while the Department's PhD students receive no credit for these efforts, their intensive teaching experiences nevertheless provide an important foundation for both their research and future careers. Reducing the credit requirements as suggested would significantly recognize this.
- Third, through extensive discussions Departmental faculty and within disciplinary subgroups, the Department has identified inefficiencies among some course offerings. These arise particularly where

content overlaps over two or more courses, or where content is outdated and should be revised to address the need for more modern approaches or skills (e.g., avoiding “reinventing the wheel” by spending inordinate time addressing older numeric or computational methods that are now considered conventional). By scrutinizing such courses, in the short term existing courses may easily be modified to cover more material by eliminating overlaps and updating content, hence in large part maintaining (and improving) breadth even while lowering the overall PhD credit requirement. In the long term, the Department is engaged in a continuing process of eliminating outdated or less useful classes that do not currently support active research areas, developing new courses that focus on modern methods that facilitate research, and shortening and sequencing existing courses in order to eliminate overlaps and leverage common fundamental skill sets required by multiple courses.

- Fourth, as the Department has modified graduate student incentives to encourage more rapid progress toward PhD completion. For example, Teaching Assistants in the Department receive stipend increases based on achieving specific benchmarks, and those raises have been tied more strictly to a schedule of year-to-year progress (first: program of study and committee; second: comprehensive exam; third: proposal defense). This will ensure that students take the initiative to engage in their research area more quickly, and the reduced credit requirement for the PhD program will facilitate this engagement.

These circumstances strongly convince Departmental faculty that the proposed PhD credit hour reduction – even if implemented unilaterally – will greatly enhance the Department’s doctoral program, and provide increased opportunity for growth. Most importantly, the recent self-study has revealed that the Department’s credit hour requirements significantly exceed nearly all peer institutions. In addition to some of the inefficiencies described above, the large credit hour requirements hamper recruitment efforts. Potential graduate students are not eager to join a program with outdated and onerous coursework requirements.

Section III: Institutional Impact

The proposed changes will require no new administrative structures, new faculty or staff, or new equipment or facilities. Enrollments will be positively impacted, first by allowing more competitive and effective recruitment, and second through increased participation in courses for which numbers have been consistently deflated by the significant number of PhD students who require more than 4 years to complete their programs.

Section IV: Finances

No additional costs are anticipated as a result of the proposed change. On the contrary, it is anticipated that this credit hour reduction will allow the Department to use funds for graduate education much more effectively, allowing PhD students to focus greater and more rapid attention on mastering their respective fields of study.

Section V: Program Curriculum

*****THIS SECTION OF THE TEMPLATE REQUIRED FOR EMPHASES, MINORS, AND CERTIFICATES ONLY*****

All Program Courses (with New Courses in Bold)

No new courses are required for this change.