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## Curriculum Subcommittee Minutes, October 6, 2011

Utah State University

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**CURRICULUM SUBCOMMITTEE MINUTES**  
**6 October 2011**

A meeting of the Curriculum Subcommittee of the Educational Policies Committee was held on 6 October 2011 at 2 p.m. in Old Main 136 (Champ Hall Conference Room).

Present:                   Richard Mueller, Chair (representing Ed Reeve)  
                              Thomas Bunch, Agriculture  
                              Darrin Brooks, Caine College of the Arts  
                              Chris Skousen, Huntsman School of Business  
                              Scott Hunsaker, Emma Eccles Jones College of Education and  
                              Human Services  
                              Patricia Gantt, College of Humanities and Social Sciences  
                              Nancy Mesner, College of Natural Resources  
                              Richard Mueller, College of Science  
                              Wendy Holliday, Libraries  
                              Travis Peterson, Regional Campuses and Distance Education  
                              Norm Jones, General Education Subcommittee Chair  
                              Steve Beck, Graduate Council (representing Shelly Lindauer)  
                              Brett Healy, Graduate Studies Vice President (representing Cami  
                              Jones)  
                              Tanner Wright, Academic Senate President  
                              Roland Squire, Registrar's Office  
                              Cathy Gerber, Registrar's Office

Absent:                   Ed Reeve, College of Engineering  
                              Susan Neel, USU-Eastern

Visitors:                Larry Smith, Vice Provost  
                              Noelle Cockett, Dean of College of Agriculture  
                              Bruce Miller, Department Head, ASTE  
                              Gary Stewardson, ETE Department  
                              Kurt Becker, Department Head, ETE  
                              Larry Hemingway, Acting Director of Aviation  
                              Alexa Sand, Department of Art  
                              Jamie Huber, WGS  
                              Michele Hillard, Provost Office

The 1 September 2011 minutes meeting were approved.

Larry Smith moved to approve the business of the Provost Office. Scott Hunsaker seconded; motion carried. A statement will be added in the course description that differentiates work done for graduate credit.

**Provost Office**

**Center for Women and Gender**

Dual List Change

WGS 4900/6900	Directed Study: Women and Gender Studies Repeatable for credit Add dual list of WGS 6900 Effective Spring 2012	1-3 cr.
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Tom Bunch moved to approve the business of the College of Agriculture. Scott Hunsaker seconded; motion carried.

**College of Agriculture**

**Department of Agricultural Systems Technology and Education**

Prerequisite Change, Course Description Change, Add University Studies Designation

ASTE 4100	Agricultural Structures and Environment University Studies Designation: QI (effective Fall 2011) Prerequisite: ASTE 1010 or permission of instructor; QL Effective Summer 2012	3 cr.
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**Department of Landscape Architecture and Environmental Planning**

New Course

LAEP 6880	Landscape Architecture Research Methods Effective Fall 2011	2 cr.
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**Department of Plants, Soils and Climate**

Title Change

PSC 2600	Herbaceous Plant Materials Previously Annual and Perennial Plant Materials Effective Fall 2012	3 cr.
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Title Change, Course Description Change

PSC 5100	Professional Turf and Urban Landscape Water Management Previously Landscape Irrigation Management Effective Spring 2012	3 cr.
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Delete Course

PSC 4100	Landscape Water Conservation Effective Fall 2011	2 cr.
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PSC 4810	Professional Turfgrass Management Effective Fall 2011	2 cr.
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PSC 5610/6610	Plant Water Relations Effective Fall 2011	2 cr.
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PSC 6100 Landscape Irrigation Management 3 cr.  
Effective Fall 2011

Darrin Brooks moved to approve the business of the Caine College of the Arts. Tom Bunch seconded; motion carried.

**Caine College of the Arts**

**Department of Art**

New Course

ARTH 2730 Art of the African Diaspora 3 cr.  
Effective Fall 2011

ARTH 3200 Experiential Learning in Art History-Study Abroad 1-3 cr.  
Repeatable for credit  
Effective Fall 2011

ARTH 3840 Race and Visual Culture 3 cr.  
Effective Fall 2011

ARTH 4520 Discourses of Empire and Nation 3 cr.  
Effective Fall 2011

ARTH 4725 Land Art: Site-Specific Art in the Landscape 3 cr.  
Effective Fall 2011

ARTH 4900 Senior Capstone Research Seminar in Art History 3 cr.  
Prerequisite: 3000 or 4000 level Art History course  
Effective Fall 2011

Course Number Change, Title Change, Course Description Change

ARTH 4710 Feminist Theory and Practice in the Visual Arts 3 cr.  
Previously ARTH 5710, Gender Issues in Art  
Effective Fall 2012

Chris Skousen moved to approve the business of the Huntsman School of Business. Pat Gantt seconded; motion carried.

**Huntsman School of Business**

**Department of Economics and Finance**

New Course

ECN 4500 The Political Economy of the European Union 3 cr.  
Prerequisite: Permission of instructor  
Effective Fall 2011

Add University Studies Designation  
 ECN 5150 Comparative Economic Systems 3 cr.  
 University Studies Designation: CI/DSS  
 Effective Fall 2011

**(Approved via Electronic vote per April 2011 General Education Subcommittee minutes)**

Title Change, Course Description Change  
 FIN 4480 Derivatives Market 3 cr.  
 Previously Portfolio Theory and Risk Management  
 Effective Summer 2012

Scott Hunsaker moved to approve the business of the Emma Eccles Jones College of Education and Human Services. Tom Bunch seconded; motion carried.

**Emma Eccles Jones College of Education and Human Services**

Inactivate Course

EDUC 6700 Introduction to Behavioral Research in Education 3 cr.  
 Repeatable for credit  
 Retain SPED 6700  
 Effective Fall 2011

EDUC 7700 Single-Subject Research Methods and Designs 3 cr.  
 Repeatable for credit  
 Retain SPED 7700  
 Effective Fall 2011

**Department of Communication Disorders and Deaf Education**

Title Change

COMD 6340 Auditory Learning and Spoken Language for Children 3 cr.  
 with Hearing Loss  
 Previously Auditory Learning and Spoken Language for  
 Young Children with Hearing Loss  
 Effective Summer 2012

Credit Hour Change

COMD 6580 Family Centered Practices for Children with Hearing Loss 2-3 cr.  
 Previously 3 cr.  
 Effective Spring 2012

COMD 6770 Audiology and Teachers of Children who are Deaf and 1-3 cr.  
 Hard of Hearing  
 Previously 3 cr.  
 Effective Fall 2012

COMD 7320 Amplification I 3 cr.  
 Previously 1-4 cr.  
 Effective Fall 2012

Course Description Change  
COMD 7420 Amplification II 3 cr.  
Effective Spring 2012

**Elementary and Secondary Education Program (School of TEAL)**

Title Change, Course Description Change  
SCED 4200 Language, Literacy and Learning in the Content Areas 3 cr.  
Previously Reading, Writing and Technology  
University Studies Designation: CI  
Effective Fall 2012

TEAL 4745/6745 Second Language/Literacy Acquisition and Development 3 cr.  
Previously Second Language Acquisition in the Classroom  
Effective Fall 2012

TEAL 4760/6760 Foundations of Dual Language Immersion/ESL/Bilingual 3 cr.  
Education  
Previously Foundations of ESL/Bilingual Education  
Effective Fall 2012

TEAL 6230 Evidence-based Literacy Instruction for K-6 Learners 3 cr.  
Previously Literacy Learning in Early Childhood  
Effective Fall 2012

Course Description Change  
TEAL 7360 Research in Literacy 3 cr.  
Effective Fall 2012

**Department of Special Education and Rehabilitation**

New Course  
SPED 6770 Coaching and Systems Change 3 cr.  
Effective Fall 2011

Prerequisite Change  
SPED/PSY 5720 Assessment for Eligibility and Programming and IEP 3 cr.  
Development  
Prerequisite: Permission of instructor (Admission to Teacher Education  
not required)  
Effective Fall 2012

Scott Hunsaker moved to approve the business of the College of Engineering. Darrin Brooks seconded; motion carried.

**College of Engineering**

**Department of Biological Engineering**

Title Change, Course Description Change

BENG 1890 Introduction to Undergraduate Research and Engineering Design 1 cr.  
Previously Introduction to Undergraduate Research Methods  
Effective Fall 2012

Prerequisite Change

BENG 4880 Biological Engineering Design II 3 cr.  
University Studies Designation: CI  
Prerequisite: BENG 3870  
Prerequisite or Corequisite: BENG 3670/CEE 3670  
Effective Spring 2012

BENG 5020 Biological Systems Modeling and Controls 3 cr.  
Prerequisites: BENG 3670/CEE 3670 and MATH 2250  
Effective Fall 2012

**Department of Electrical and Computer Engineering**

New Course

ECE 2240 Electrical Circuits I 3 cr.  
Prerequisite: MATH 1220  
Prerequisite or Corequisite: MATH 2270  
Effective Fall 2012

ECE 5680 Transceiver Systems Engineering 3 cr.  
Prerequisite: ECE 3640 or equivalent. Not available to pre-majors.  
Effective Spring 2012

ECE 6040 Convex Optimization 3 cr.  
Effective Fall 2012

Title Change, Prerequisite Change, Course Description Change

ECE 3620 Continuous-Time Systems and Signals 3 cr.  
Previously Circuits and Signals  
Prerequisites: ECE 2250, MATH 2280 and CS 1410.  
Not available to pre-majors.  
Effective Fall 2013

ECE 3640 Discrete-Time Systems and Signals 3 cr.  
Previously Signals and Systems  
Prerequisite: ECE 3620. Not available to pre-majors.  
Effective Fall 2013

ECE 5630	Digital Signal and Image Processing Previously Introduction to Digital Signal Processing Prerequisite: ECE 3640 or equivalent. Not available to pre-majors. Effective Fall 2012	3 cr.
ECE 7630	Advanced Digital Signal and Image Processing Previously Advanced Digital Signal Processing Prerequisites: ECE 5630 and 6010. Prerequisite or Corequisite: ECE 6030 Effective Spring 2013	3 cr.
Title Change, Credit Hour Change, Prerequisite Change, Course Description Change		
ECE 2250	Electrical Circuits II Previously Electrical Circuits, 4 cr. Prerequisite: ECE 2240 Prerequisite or Corequisite: MATH 2280 Effective Fall 2012	3 cr.
Course Description Change		
ECE 5530	Digital System Design Effective Fall 2012	3 cr.
Delete Course		
ECE 1000	Introduction to Electrical and Computer Engineering Effective Fall 2012	2 cr.
ECE 6620	Introduction to Digital Image Processing Effective Fall 2012	3 cr.
ECE 7620	Advanced Digital Image Processing Effective Fall 2012	3 cr.
<b>Department of Mechanical and Aerospace Engineering</b>		
New Course		
MAE 2165	Material Science Laboratory Prerequisite or Corequisite: MAE 2160 Effective Spring 2012	1 cr.
MAE 5350	Kinematics Prerequisite: MAE 3320 Effective Spring 2012	3 cr.
MAE 5660	Manufacturing Processes Prerequisites: MAE 2165, 3040 and 3440 (may be taken concurrently) Effective Spring 2012	3 cr.



Pat Gantt moved to approve the business of the College of Humanities and Social Sciences. Nancy Mesner seconded; motion carried.

**College of Humanities and Social Sciences**

**Department of Journalism and Communication**

Department of Languages, Philosophy and Speech Communication

Course Description Change

LING 4400 Teaching Modern Languages 3 cr.  
Effective Fall 2012

Title Change, Course Description Change

SPAN 4200 Introduction to Hispanic Linguistics 3 cr.  
Previously Applied Spanish Linguistics and Phonetics  
Effective Spring 2012

**Department of Sociology, Social Work and Anthropology**

University Studies Designation

SOC 1020 Social Problems 3 cr.  
University Studies Designation: BSS  
Effective Fall 2011

Reactivate Course

SOC 3500 Social Psychology 3 cr.  
Effective Spring 2012

Nancy Mesner moved to approve the business of the College of Natural Resources. Tom Bunch seconded; motion carried.

**College of Natural Resources**

**Department of Environment and Society**

New Course

ENVS 6830/7830 Graduate Student Publishing Seminar 2 cr.  
Effective Fall 2011

GEOG 5600/6600 Theory and Practice of Development 3 cr.  
Effective Fall 2011

Delete Course

ENVS 4990 Environmental and Natural Resource Professionalism Seminar 2 cr.  
Effective Fall 2012

Pat Gantt moved to approve the business of the College of Science. Darrin Brooks seconded; motion carried.

**College of Science**

**Department of Biology**

Course Description Change

BIOL 2060 Elementary Biology 4 cr.  
Effective Spring 2012

Remove University Studies Designation  
BIOL 3010 Evolution 3 cr.  
University Studies Designation: DSC  
Remove University Studies Designation of CI  
Effective Spring 2012

Prerequisite Change  
BIOL 3300 General Microbiology 4 cr.  
Prerequisite: BIOL 1610 (with a grade of C- or better); CHEM 1120 or 1220 or 2300 or 2310 (may be taken concurrently). To receive University Studies Breadth Life Sciences (BLS) credit, students must complete both BIOL 1610 and 3300. The BIOL 1610 and 3300 option for BLS credit is available only to students majoring in Biological Engineering or Environmental Engineering.  
Effective Spring 2012

### **Department of Computer Science**

Prerequisite Change  
CS 3200 Mobile Application Development 3 cr.  
Prerequisites: CS 2410 and 2610 OR CS 2412 and 2612  
Effective Spring 2012  
  
CS 5460 Computer Security I 3 cr.  
Prerequisites: 2.0 GPA, grade of C- or better in CS 2420 and CS 3100.  
Not available to pre-Computer Science majors.  
Effective Summer 2012

### **Department of Geology**

Title Change  
GEO 5630 Geologic Image Analysis 3 cr.  
Previously Photogeology and Image Analysis  
Effective Spring 2012

### **Other Business**

Darrin Brooks moved to approve the request from the Department of Art to offer a Bachelor of Arts in Art History. Norm Jones seconded; motion was approved, with revised proposal being sent to Larry Smith.

The request from the English Department to change the English master's degree specialization in Technical Writing Plan B to a Plan C specialization was withdrawn from the agenda.

Tom Bunch moved to approve the request from the College of Agriculture and the College of Engineering to restructure the Department of Engineering and Technology Education. Nancy Mesner seconded; motion approved. (see below)

Noelle Cockett, Dean of the College of Agriculture, presented the proposal along with supporting information from Bruce Miller, Gary Stewardson, Kurt Becker and Larry Hemingway.

The General Education Subcommittee, on September 20, 2011, approved the enforcement of the rule that CI courses must be upper division. The following courses will be losing the CI designation effective Summer 2012.

COMD 2910	MUSC 1460
CS 2450	MUSC 1470
JCOM 2160	OSS 1550
LAEP 2700	SPCH 1020
MIS 2200	SPCH 2110

An update on the new electronic approval process for the course approval from was given by Michele Hillard, Provost Office. A request to have the College Curriculum Committees included in the work flow process will be taken under consideration. This form will probably be application based. The Curriculum Subcommittee will be given updates on the progression of this form.

It was suggested that previous Course Approval forms be archived and to begin saving these forms electronically once the new form is in place.

Meeting adjourned 2: 55 p.m.  
Richard Mueller conducted the meeting.  
Cathy Gerber recorded the minutes.

**Institution Submitting Proposal:** Utah State University

**College, School or Division in Which Program/Administrative Unit Will Be Located:** College of Agriculture; College of Engineering

**Department(s) or Area(s) in Which Program/Administrative Unit Will Be Located:** School of Applied Sciences, Technology and Education in the Department of Agricultural Systems Technology and Education; Department of Engineering Education

**Program/Administrative Unit Title:**

**Proposed Beginning Date:** January 1, 2012

**Institutional Signatures:**

Raymond T. Coward, Chief Academic Officer: \_\_\_\_\_

Noelle Cockett, Dean, College of Agriculture: *Noelle E. Cockett*

Bruce Miller, Head, ASTE Department: \_\_\_\_\_

H. Scott Hinton, Dean, College of Engineering: \_\_\_\_\_

Kurt Becker, Head, EE Department: \_\_\_\_\_

## **Section I: Request**

Utah State University proposes to restructure the Department of Engineering and Technology Education (ETE) effective in Spring Semester 2012. This request contains several elements related to R401-5 including a department name change, program transfers and degree name changes all associated with this restructuring action. Utah State University proposes to:

- 1) Change the name of the Department of Engineering and Technology Education, housed within the College of Engineering, to the Department of Engineering Education, housed within the College of Engineering.
- 2) Transfer Aviation Technology, including two Bachelor of Science degrees: Bachelor of Science degree in Aviation Technology – Maintenance Management and Bachelor of Science degree in Aviation Technology – Professional Pilot; to the School of Applied Sciences, Technology and Education within the College of Agriculture.
- 3) Transfer a portion of the Engineering and Technology Education program, including a Bachelor of Science degree in Engineering and Technology Education with two emphases and a Master of Science degree program in Engineering and Technology Education, to the School of Applied Sciences, Technology and Education within the College of Agriculture.
- 4) Change the names of the Engineering and Technology Education B.S. and M.S. degrees to Technology and Engineering Education. The emphases areas in the Bachelors of Science program will be changed to Technology and Engineering Education; and Skilled and Technical Sciences Education.

## **Section II: Need**

The Colleges of Engineering and Agriculture concur that this action is consistent with the missions of the respective colleges.

- The proposed name change - Department of Engineering Education - more correctly reflects the engineering programmatic focus in the College of Engineering. The Engineering Education Department will continue to administer the PhD program in Engineering Education and teach many of the pre-engineering courses on the Logan campus and on the regional campuses.
- The School of Applied Sciences, Technology and Education in the College of Agriculture provides an academic home for aviation technology whose mission is consistent with their primary goals of educating students for careers in the applied sciences and technology areas of aircraft maintenance and as professional pilots.

- The School of Applied Sciences, Technology and Education provides a logical academic home for the degree programs focused upon teacher training for the Career and Technical Education (CTE) area of Technology and Engineering Education. The Utah State Office of Education recognizes nine areas of CTE at the secondary level. With this change, three of the nine areas - Agriculture, Family and Consumer Sciences, and Technology and Engineering Education - will be administered by the school and provide preservice and inservice educational opportunities for teachers within these secondary education programs.
- The names of the Bachelor of Science and the Master of Science degrees will be changed from Engineering and Technology Education to Technology and Engineering Education to emphasize the focus on technology. The emphases areas in the Bachelors of Science program will be changed to Technology and Engineering Education; and Skilled and Technical Sciences Education. This name will align the degree programs with the Utah State Office of Education's CTE program area for which the teachers are being trained.

“Technology and Engineering Education is committed to preparing students for employment and/or continuing education opportunities by teaching them to understand, design, produce, use, and manage the human-made world in order to contribute and function in a technological society.” –Utah State Office of Education

This name is also nationally recognized and is typical for teacher training programs as indicated by the International Technology and Engineering Educators Association (ITEEA), a professional organization with which the faculty is aligned.

### **Section III: Institutional Impact**

The department name change more clearly identifies USU as one of the pre-eminent programs in the emerging area of engineering education. USU was among the first three programs in the country to offer a PhD in Engineering Education. Many of the faculty members within the proposed Department of Engineering Education have funding from the National Science Foundation to study the learning and teaching of engineering with special focus on pre-engineering courses.

The program transfers and the degree name changes provide an administrative home for programs focused upon teacher training in a CTE area as well as degree programs preparing students for technology-based careers. It is not anticipated the restructuring will have any negative impacts on student enrollment.

### **Section IV: Finances**

This restructuring action will not require any new physical facilities or fiscal resources as facilities and resources will remain constant with their respective programs.