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## Curriculum Subcommittee Minutes, September 2, 2010

Utah State University

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**CURRICULUM SUBCOMMITTEE MINUTES**  
**2 September 2010**

A meeting of the Curriculum Subcommittee of the Educational Policies Committee was held on 2 September 2010 at 2 p.m. in Old Main 136 (Champ Hall Conference Room).

Present: Ed Reeve, Chair and Engineering  
Thomas Bunch, Agriculture  
Cliff Skousen, Huntsman School of Business (representing Jeffrey Doyle)  
Patricia Gantt, HaSS  
Layne Coppock, Natural Resources  
Richard Mueller, Science  
Vince Lafferty, Regional Campuses and Distance Education (representing Ronda Menlove)  
Norm Jones, General Education Subcommittee Chair  
Shelley Lindauer, Graduate Council  
Bill Jensen, Registrar's Office  
Cathy Gerber, Registrar's Office

Absent: Scott Hunsaker, Emma Eccles Jones College of Education and Human Services  
Representative from the Caine College of Arts  
Wendy Holliday, Merrill-Cazier Library  
Tanner Wright, Academic Senate President  
Trevor Nelson, Graduate Student Vice President

Visitors: Larry Smith, Vice Provost  
Tyler Bowles, Department Head, Economics and Finance  
Dwight Israelsen, Economics and Finance  
Ben Blau, Economics and Finance  
Paul Jakus, Department Head, Applied Economics

Richard Mueller moved to approve the minutes of the 1 April 2010 meeting. Thomas Bunch seconded; motion carried.

Thomas Bunch moved to approve the business of the College of Agriculture. Richard Mueller seconded; motion carried.

**College of Agriculture**

**Credit Hour Change**

AG 4250	Advanced Internship and Cooperative Experience	1-6 cr.
	Previously 1-9 cr.	
	Effective Spring 2011	

## Department of Plants, Soils and Climate

### New Course

PSC 4970 Undergraduate Research 1-6 cr.  
Repeatable for credit  
Prerequisite: Departmental Approval  
Effective Summer 2011

### Prerequisite Change

PSC 3420 Landscape Irrigation Design 2 cr.  
Prerequisite: Fulfillment of QL requirement  
Effective Spring 2011

### Credit Hour Change

PSC 5560/6560 Analytical Techniques for the Soil Environment 3 cr.  
Previously 2 cr.  
Effective Spring 2011

### Delete Course

ADVS 1020 Dairy Cattle Nutrition and Feeding 3 cr.  
Effective Fall 2011

ADVS 1030 Lactation and Milking Systems 3 cr.  
Effective Spring 2012

ADVS 1040 Records and Financial Aspects of Dairy Herd Operations 3 cr.  
Effective Spring 2012

ADVS 1050 Dairy Genetics 3 cr.  
Effective Fall 2011

ADVS 1060 Applied Feeding and Management of Dairy Calves and Basic  
Construction of Facilities 3 cr.  
Effective Spring 2012

ADVS 1250 Applied Agricultural Computations 2 cr.  
University Studies Designation: QI  
Effective Fall 2011

ADVS 4910 Preprofessional Orientation .5 cr.  
Effective Fall 2011

ADVS 6320/7320 Animal Genomics and Proteomics 3 cr.  
Effective Fall 2011

Shelley Lindauer moved to approve the business of the Huntsman School of Business. Thomas Bunch seconded; motion carried.

### **Huntsman School of Business**

#### **School of Accountancy**

Course Prefix Change, Title Change

OSS 1050 Bookkeeping Essentials 3 cr.  
Previously ACCT 1050, Accounting Essentials  
Effective Summer 2011

OSS 1450 Financial Software for Small Business Applications 3 cr.  
Previously ACCT 1550, Accounting Software for Small Business  
Applications  
Effective Summer 2011

Title Change

ACCT 6540 Fraud Examination and Forensic Accounting 3 cr.  
Previously Forensic Accounting  
Effective Spring 2011

#### **Department of Economics and Finance**

New Course

ECN 3200 Analytical Rigor: Scientific Methodology in Business 3 cr.  
and the Social Sciences  
University Studies Designation: DSS  
Prerequisite: ECN 1500  
Effective Spring 2011

Prerequisite Change

ECN 4020 Intermediate Macroeconomics 3 cr.  
Prerequisites: ECN 1500 and MATH 1100  
Effective Summer 2011

ECN/APEC 7310 Econometrics I 3 cr.  
Remove prerequisites of ECN 7360 or APEC 7360. No prerequisites  
needed.  
Effective Fall 2010

#### **Department of Management**

New Course

MGT 4560 Strategic Sales Management 3 cr.  
Effective Spring 2011

MGT 5310 Non-Profit Management 3 cr.  
Effective Spring 2011

Prerequisite Change

MGT 4590 Global Marketing Strategy 3 cr.  
Prerequisites: Grade of B- (2.67) or better in MGT 3500; admittance to a USU major, cumulative GPA of 2.67 or higher, completion of at least 40 credits.  
Effective Spring 2011

Shelley Lindauer moved to approve the business of the Emma Eccles Jones College of Education and Human Services. Thomas Bunch seconded; motion carried.

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

**Department of Health, Physical Education and Recreation**

Prerequisite Change

HEP 4200 Planning and Evaluation for Health Education 3 cr.  
University Studies Designation: QI  
Prerequisites: HEP 3600; MATH 1050 or STAT 1040  
Effective Summer 2011

HEP 4400 Creative Methods in Teaching Health Education 3 cr.  
Prerequisites: HEP 2500; Student in School Health Emphasis or School Health minor must be admitted to the Teacher Education Program  
Effective Summer 2011

HEP 4600 Field Work in Health Education 1-9 cr.  
Repeatable for credit  
Prerequisites: HEP 3600, 4100, 4200 and permission of instructor  
Effective Summer 2011

Title Change

PRP 4500 Management of Recreation Services 3 cr.  
Previously Management of Recreation Services I  
Effective Spring 2011

Title Change, Prerequisite Change

PRP 4550 Legal Aspects and Facility Management 3 cr.  
Previously Management of Recreation Services II  
Prerequisites: PRP 1000 and 3000  
Effective Spring 2011

Prerequisite Change

PRP 3050 Evaluation of Recreation Services 3 cr.  
University Studies Designation: QI  
Prerequisites: PRP 1000, 3000, 3025; and MATH 1030 or STAT 1040 or a higher MATH or STAT course  
Effective Summer 2011

PRP 4700 Pre-Internship Seminar 3 cr.  
Prerequisites: PRP 1000, 3000, 3025, 3050, 3900, 4500  
and 4550. PRP 4500 and 4550 may be taken concurrently.  
Effective Summer 2011

PRP 4725 Senior Seminar 3 cr.  
University Studies Designation: CI  
Prerequisites: PRP 1000, 3000, 3025, 3050, 3075, 3900, 4100,  
4500, 4550 and fulfillment of CL2 requirement. PRP 3075 and  
4100 may be taken concurrently.  
Effective Summer 2011

Richard Mueller moved to approve the business of the College of Engineering. Thomas Bunch seconded; motion carried.

**College of Engineering**

**Department of Biological Engineering**

New Course

BENG 5640/6640 Biofuels 3 cr.  
Prerequisite: Senior or Graduate student status or permission of instructor  
Effective Spring 2011

BENG 5650/6650 Biofuels Systems Design 3 cr.  
Prerequisite: BENG 5640/6640 or permission of instructor  
Effective Spring 2011

BENG 5660/6660 Environmental Quality Analysis 3 cr.  
Prerequisite: CHEM 1210  
Multiple listed with CEE 5610/6610  
Effective Spring 2011

Prefix Change

<b>CURRENT PREFIX</b>	<b>COURSE NO.</b>	<b>NEW PREFIX</b>	<b>COURSE NO.</b>	<b>COURSE NAME</b>
BIE	1880	BENG	1880	Engineering Quantification of Biological Processes
BIE	1890	BENG	1890	Introduction to Undergraduate Research Methods
BIE	2330	BENG	2330	Engineering Properties of Biological Materials
BIE	2400	BENG	2400	Biological and Environmental Thermodynamics
BIE	3000	BENG	3000	Instrumentation for Biological Systems
BIE	3200	BENG	3200	Introduction to Unit Operations in Biological Engineering
BIE	3870	BENG	3870	Biological Engineering Design I
BIE	4250	BENG	4250	Cooperative Practice
BIE	4880	BENG	4880	Biological Engineering Design II
BIE	4890	BENG	4890	Biological Engineering Design III
BIE	4930	BENG	4930	Special Studies
BIE	5020	BENG	5020	Biological systems Modeling and Controls
BIE	5600	BENG	5600	Downstream Processes in Biological Engineering
BIE	5610	BENG	5610	Food and Bioprocess Engineering
BIE	5630	BENG	5630	Synthetic Biological Engineering
BIE	5680	BENG	5680	Soil-Based Waste Management
BIE	5810	BENG	5810	Biochemical Engineering
BIE	5830	BENG	5830	Management and Utilization of Biological Solids and Wastewater
BIE	5840	BENG	5840	Introduction to Biophotonics
BIE	5850	BENG	5850	Biomaterials Engineering
BIE	5890	BENG	5890	Tissue Engineering
BIE	5910	BENG	5910	Introduction to Biosensors
BIE	5930	BENG	5930	Special Studies

<i>Continued:</i>				
<b>CURRENT PREFIX</b>	<b>COURSE NO.</b>	<b>NEW PREFIX</b>	<b>COURSE NO.</b>	<b>COURSE NAME</b>
BIE	6600	BENG	6600	Downstream Processes in Biological Engineering
BIE	6610	BENG	6610	Food and Bioprocess Engineering
BIE	6630	BENG	6630	Synthetic Biological Engineering
BIE	6680	BENG	6680	Soil-Based Waste Management
BIE	6810	BENG	6810	Biochemical Engineering
BIE	6830	BENG	6830	Management and Utilization of Biological Solids and Wastewater
BIE	6840	BENG	6840	Introduction to Biophotonics
BIE	6850	BENG	6850	Biomaterials Engineering
BIE	6860	BENG	6860	Research Orientation
BIE	6870	BENG	6870	Research Planning
BIE	6890	BENG	6890	Tissue Engineering
BIE	6910	BENG	6910	Introduction to Biosensors
BIE	6930	BENG	6930	Special Problems
BIE	6970	BENG	6970	Thesis Research
BIE	6990	BENG	6990	Continuing Graduate Advisement for MS Students
BIE	7600	BENG	7600	Advanced Research Topics
BIE	7860	BENG	7860	Research Orientation
BIE	7870	BENG	7870	Research Planning
BIE	7960	BENG	7960	Supervised Teaching
BIE	7970	BENG	7970	Dissertation Research
BIE	7990	BENG	7990	Continuing Graduate Advisement for PhD Students

Effective Spring 2011

Prefix Change, Credit Hour Change

BENG 5620/6620      Metabolic Engineering I      3 cr.  
 Previously BIE 5620/6620, 4 cr.  
 Effective Spring 2011

**Department of Civil and Environmental Engineering**

Prefix Change, Prerequisite Change

CEE 3670      Transport Phenomena in Bio-Environmental Systems      3 cr.  
 Prerequisite: Minimum grade of C- in BENG 2400 or MAE 2300  
 and CEE 3500 or MAE 3420  
 Multiple listed with BENG 3670(Previously BIE 3670)  
 Effective Spring 2011



## **Department of Electrical and Computer Engineering**

### New Course

ECE 5140	Electrical Energy Engineering Effective Fall 2010	3 cr.
ECE 6140	Advanced Electrical Energy Engineering Prerequisite: ECE 5140 Effective Fall 2010	3 cr.

Norm Jones moved to approve the business of the College of Humanities and Social Sciences.  
Patricia Gantt seconded; motion carried.

## **College of Humanities and Social Sciences**

### **Department of English**

#### Prerequisite Change

ENGL 2010	Intermediate Writing: Research Writing in a Persuasive Mode Prerequisite: Fulfillment of Communications Literacy CL1 requirement through coursework (C- or better in ENGL 1010) or examination; and completion of Computer and Information Literacy (CIL) requirement Effective Fall 2010	3 cr.
ENGL 2010	Intermediate Writing: Research Writing in a Persuasive Mode Prerequisite: Fulfillment of Communications Literacy CL1 requirement through coursework (C- or better in ENGL 1010) or examination Effective Spring 2011	3 cr.

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

### University Studies Request

SOC 3330	Medical Sociology University Studies Designation: DSS Effective Fall 2010	3 cr.
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## **Religious Studies Major and Minor**

### University Studies Request

RELS 1010	Introduction to Religious Studies University Studies Designation: BHU Effective Fall 2010	3 cr.
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Patricia Gantt moved to approve the business of the College of Natural Resources. Thomas Bunch seconded; motion carried.

**College of Natural Resources**

**Department of Wildland Resources**

New Course

- |           |   |         |
|-----------|---|---------|
| WILD 4830 | Directed Reading in Wildlife Biology<br>Repeatable for credit<br>Effective Fall 2010                                  | 1-3 cr. |
| WILD 4840 | Directed Reading in Vegetation and Landscapes for Wildlife Management<br>Repeatable for credit<br>Effective Fall 2010 | 1-3 cr. |

**Department of Watershed Sciences**

Prerequisite Change

- |           |   |       |
|-----------|---|-------|
| WATS 5660 | Watershed and Stream Restoration<br>Remove all prerequisites. No prerequisites needed.<br>Effective Fall 2011 | 2 cr. |
|-----------|---|-------|

Richard Mueller moved to approve the business of the College of Science. Norm Jones seconded; motion carried.

**College of Science**

**Department of Geology**

Prerequisite Change

- |               |  |       |
|---------------|--|-------|
| GEO/PHYS 3150 | Energy in the Twenty-first Century<br>University Studies Designation: DSC,QI<br>Prerequisites: USU 1360 and QL course or equivalent<br>Effective Fall 2010 | 3 cr. |
|---------------|--|-------|

This correction is due to an earlier miscommunication.

**Department of Mathematics and Statistics**

New Course

- |           |   |       |
|-----------|---|-------|
| EMTH 5030 | Mathematics for Teaching K-8 Numbers and Operations<br>Prerequisite: Bachelors degree in Elementary Education or equivalent<br>Effective Fall 2010                      | 3 cr. |
| EMTH 5040 | Mathematics for Teaching K-8 Rational Numbers and Proportional Reasoning<br>Prerequisite: Bachelors degree in Elementary Education or equivalent<br>Effective Fall 2010 | 3 cr. |
| EMTH 5050 | Mathematics for Teaching K-8 Algebraic Reasoning<br>Prerequisite: Bachelors degree in Elementary Education or equivalent<br>Effective Fall 2010                         | 3 cr. |

EMTH 5060 Mathematics for Teaching K-8 Geometry and Measurement 3 cr.  
Prerequisite: Bachelors degree in Elementary Education or equivalent  
Effective Fall 2010

EMTH 5070 Mathematics for Teaching K-8 Data Analysis and Problem Solving 3 cr.  
Prerequisite: Bachelors degree in Elementary Education or equivalent  
Effective Fall 2010

MATH 6300 Practicum in Mathematics/Statistics Instruction for 1 cr.  
Graduates Pursuing Secondary Licensure  
Pass/Fail Only  
Effective Fall 2010

Math 6300 was approved pending approval from CTE at the April 1, 2010 meeting. This has now been approved by CTE

### **Other Business**

No action was taken on the request from the Department of Animal, Dairy and Veterinary Sciences to consolidate three graduate degree programs, including a proposed Animal Health and Disease Specialization into one MS/PhD Degree Program. The proposal needs to be resubmitted using the new revised R 401.

No action was taken on the request from the Jon M. Huntsman School of Business to offer a Master of Science in Financial Economics to be housed in the Department of Economics and Finance. This proposal needs to be resubmitted using the new revised R401. This proposal also needs to be approved by the Graduate Council and the Budget, Faculty and Welfare committees before being submitted to the Curriculum Subcommittee.

The discussion item pertaining to whether or not the instructor and/or advisor should have the permission to override prerequisites will be continued at the October 7, 2010 meeting.

The new R401, Approval of New Programs, Program Changes, Discontinued Programs, and Program Reports can be found at:

[http://www.usu.edu/provost/forms/program\\_proposals.cfm](http://www.usu.edu/provost/forms/program_proposals.cfm)

We need to set a goal of paying greater attention to style content and format.

Ed Reeve will be updating the Curriculum Subcommittee Handbook. A link to the handbook will be sent to all members once it has been updated.

Just a reminder that the semester course approval form must have signatures from both departments/colleges if the course is multiple listed. Also remember to attach a syllabus for all new courses.

## **EPC and Curriculum Subcommittee Schedule for 2010-2011**

### EPC and Curriculum Subcommittee Meetings

September 2, 2010  
October 7, 2010  
November 4, 2010  
December 2, 2010  
January 13, 2011  
February 3, 2011  
March 3, 2011  
April 7, 2011

### Agenda Items Due

August 19, 2010  
September 23, 2010  
October 21, 2010  
November 18, 2010  
December 16, 2010  
January 20, 2011  
February 17, 2011  
March 24, 2011

### **Curriculum Subcommittee members for 2010-2011:**

Chair and College of Engineering	Ed Reeve
College of Agriculture	Thomas Bunch
Jon M Huntsman School of Business	Jeffrey Doyle
Caine College of Arts	To be determined
Emma Eccles Jones College of Education and Human Services	Scott Hunsaker
College of Humanities and Social Sciences	Patricia Gantt
College of Natural Resources	Layne Coppock
College of Science	Richard Mueller
Regional Campuses and Distance Education	Ronda Menlove
Library	Wendy Holliday
General Education Subcommittee Chair	Norm Jones
Graduate Council	Shelley Lindauer
Academic Senate President	Tanner Wright
Graduate Student Vice President	Trevor Nelson
Registrar's Office	Bill Jensen
Registrar's Office	Cathy Gerber

Meeting adjourned 3:05 p.m.  
Ed Reeve conducted the meeting  
Cathy Gerber recorded the minutes