

UNIVERSITY CURRICULUM COMMITTEE  
February 13, 2014

The University Curriculum Committee met Thursday, February 13, 2014 in the Dean's Conference Room, Derryberry Hall, Room 200.

Members present:

Dr. Melinda Anderson	Dr. Allan Mills
Dr. Julie Baker	Dr. Linda Null
Dr. Rita Barnes	Dr. Mohan Rao
Dr. Jeff Boles	Dr. James Raymondo
Dr. Brad Cook	Dr. Jeff Roberts
Dr. Kristine Craven	Dr. Joe Roberts
Ms. Edith Duvier	Dr. Stephen Robinson
Dr. Kurt Eisen	Ms. Beth Rogers
Dr. Steve Frye	Dr. Liz Mullens
Ms. Julie Galloway	Mr. Steve Smith
Dr. Bahman Ghorashi	Dr. Barry Stein
Dr. Mark Groundland	Dr. Doug Talbert
Dr. Mike Harrison	Ms. Janet Whiteaker
Dr. Bobby Hodum	Dr. Ken Wiant
Dr. Sharon Huo	Dr. Brenda Wilson
Dr. Wayne Johnson	Ms. Jerri Winningham

Members absent:

Mr. Jeff Adams	Dr. Jennifer Shank
Dr. Pedro Arce	Dr. Mark Stephens
Dr. Curtis Armstrong	Dr. Jeremy Wendt
LTC Dominic Ciaramitaro	Ms. Christina Bechard
Mr. Ward Doubet	Mr. Westlee Walker
Dr. Ahmed Elsayy	Ms. Andrea Shook
Dr. Melissa Geist	Mr. Colin Long
Dr. Ben Mohr	Ms. Leah Bowman
Dr. Richard Rand	Mrs. Carolyn Huppman
Dr. Joseph Rencis	Ms. Peyton Miller
Dr. Paul Semmes	

Official Representatives:

Ms. Sharon Holderman for Dr. Bates	Dr. Darrell Hoy for Dr. Loutzenheiser
Dr. Wade Faw for Dr. Foster	Dr. Kim Hanna for Dr. Russell
Dr. Sean Alley for Dr. Isbell	Ms. Demetria Mells for Dr. Smith

Guests:

Ms. Denise Burgess	Ms. Carri Williams
Ms. Brandi Hill	

## **SUMMARY OF PROCEEDINGS**

1. Approval of agenda as revised
2. Approval of October 31, 2013 minutes
3. Approval of catalog change and course change from the Department of Counseling & Psychology
4. Approval of course addition from the Department of Earth Sciences
5. Approval of course and curriculum changes from the Department of Electrical and Computer Engineering
6. Approval of course deletions from the Department of Mechanical Engineering
7. Approval of course change from the School of Interdisciplinary Studies
8. Approval of course additions from the School of Interdisciplinary Studies
9. Approval of curriculum change from the Department of Accounting & Business Law
10. Approval of course addition from the Department of Economics, Finance & Marketing
11. Approval of course change from the Department of Economics, Finance & Marketing
12. Approval of course addition and course and curriculum changes from the Department of Computer Science
13. Approval of course and curriculum changes from the Department of Computer Science
14. Other Such Matters
  - a. Approval of course changes from the School of Agriculture
  - b. Announcement of nominating committee for 2014-15 chairperson

## **PROCEEDINGS**

### **1. Approval of Agenda as Revised**

Dr. Anderson requested to add to Other Such Matters, a proposal from the School of Agriculture and the announcement of the nomination committee for the 2014-15 chairperson.

**Motion.** Dr. Talbert moved to approve the agenda as revised. The motion was seconded by Dr. Robinson and carried.

### **2. Approval of October 31, 2013 Minutes**

**Motion.** Dr. Talbert moved to approve the October 31, 2013 minutes as submitted. The motion was seconded by Ms. Galloway and carried.

### **3. Approval of Catalog Change and Course Change from the Department of Counseling & Psychology**

In memorandums dated January 22 and 29, 2014, approval was requested for the following:

Catalog Change: (Jan. 29 memo)

Additions:

Freshman Year: UNIV 1020 First Year Connections or General Elective<sup>1</sup>

<sup>1</sup>UNIV 1020 or equivalent is required for first time freshman. Students not required to take UNIV 1020 may take a general elective (it does not have to be a one-hour course). See your academic advisor.

Deletions:

Sophomore Year: <sup>1</sup>Electives Credit 12-13.

Course Change: (Jan. 22 memo)

From:

PSY 4940 Practicum in Psychology Credit 1-3

Prerequisite: Junior standing required. Supervised application of psychology in educational, therapeutic, or commercial institutions.

To:

PSY 4940 Practicum in Psychology Credit 1-3

Prerequisite: Junior standing required. Supervised application of psychology in educational, therapeutic, or commercial institutions, **or research. May be repeated up to 6 cr. hrs. as long as each practicum assignment is substantially different.**

**Motion.** Dr. Stein moved to approve the changes effective Fall 2014. The motion was seconded by Dr. Eisen and carried.

#### **4. Approval of Course Addition from the Department of Earth Sciences**

In a memorandum dated January 22, 2014, approval was requested for the following:

##### Course Addition:

GEOG 1100 Global Climate Change Lec. 3, Credit 3

This is an introduction to the Earth's global climate from an Earth-systems perspective. We will investigate prehistoric and historic fluctuations in Earth's climate, the current climate system, and projections for future climate and climate impacts.

**Motion.** Dr. Harrison moved to approve the addition effective Fall 2014. The motion was seconded by Dr. Stein and carried.

#### **5. Approval of Course and Curriculum Changes from the Department of Electrical and Computer Engineering**

In a memorandum dated January 31, 2014, approval was requested for the following:

##### Course Changes:

FROM:

**ECE 3300 - Electronics I.** Lec. 3. Credit 3.

Prerequisite: ECE 2020. Introduction to semiconductor junction devices, their physical operation and low frequency equivalent circuits, and single and multi-stage amplifiers, including differential amplifiers.

TO:

**ECE 3300 - Electronics I.** Lec. 3. Credit 3.

Prerequisite: ECE 2020. Introduction to semiconductor junction devices and their physical operation, mid-band equivalent circuits, single and multi-stage amplifiers, digital electronics, and SPICE simulation.

FROM:

**ECE 3310 - Electronics II.** Lec. 3. Credit 3.

Prerequisite: ECE 3300. Power amplifiers, frequency response of amplifiers, feedback amplifiers, oscillators, and selected analog building blocks.

TO:

**ECE 3310 - Electronics II.** Lec. 3. Credit 3.

Prerequisite: ECE 3300. Differential amplifiers, frequency response, negative feedback, power output stages, and SPICE simulation.

Curriculum Additions:

**CmpE: None**

**EE: ECE 3310**

**EE-Mechatronics Concentration: None**

Curriculum Deletions:

**CmpE: None**

**EE: Engineering Fundamental Elective – 3 hours**

**EE-Mechatronics Concentration: None**

Curriculum Changes:

**CmpE: None**

**EE: Make ECE 3310 a required course in the junior year**

**EE with Mechatronics Concentration: None**

**Motion.** Dr. Hoy, representing Dr. Loutzenheiser, moved to approve the changes effective Fall 2014. The motion was seconded by Dr. Talbert and carried.

**6. Approval of Course Deletions from the Department of Mechanical Engineering**

In a memorandum received January 31, 2014, approval was requested for the following:

Course Deletions:

ME 4430 Micro & Nano Manufacturing

ME 4950 Introduction to MicroElectroMechanical Systems

(tri-listed course, only the ME. Listing is being deleted from the catalog)

**Motion.** Dr. Hoy moved to approve the course deletions effective Fall 2014. The motion was seconded by Dr. Talbert and carried.

**7. Approval of Course Change from the School of Interdisciplinary Studies**

In a memorandum dated January 24, 2014, approval was requested for the following:

Course Change:

From:

UNIV 4113 PRST/LIST Internship Credit Hours 3

Prerequisite: Permission of instructor. Educational activity within an organization dealing with the type of work the student hopes to do upon graduation. The internship is a learning environment where the student is treated as one of the employees but often does not have the pressures of being a full-time employee.

TO:

UNIV 4113 PRST/LIST Internship Credit Hours 3

Prerequisite: Permission of instructor. Educational activity within an organization dealing with the type of work the student hopes to do upon graduation. The internship is a learning environment where the student is treated as one of the employees but often does not have the pressures of being a full-time employee. *Class may be taken twice for a total of (6) credit hours.* **Interdisciplinary Studies majors may take up to (6) credit hours of internship. This may be accomplished through one semester of UNIV 4116 (6 credit hours) or two semesters of UNIV 4113 (3 credit hours).**

For further clarity, Dr. Frye requested that the statement in the Justification be moved up into the course description. (see statement in bold above).

**Motion.** Dr. Frye moved to approve the change as revised. The motion was seconded by Dr. Joe Roberts and carried.

### **8. Approval of Course Additions from the School of Interdisciplinary Studies**

In a memorandum dated January 31, 2014, approval was requested for the following:

#### Course Additions:

##### **LIST 2091: Service Learning** Lec. 1. Credit 1.

This course provides students the opportunity to engage in a Service Learning Project within the community. Students will have the opportunity to complete twenty service hours at ~~different a~~ not for profit organizations, while gaining work experience for the future. In addition to the service hours, students are required to read a textbook related to service learning, complete journal entries, and write reflective essays relating to the work experiences to the text.

##### **LIST 2093: Service Learning** Lec. 3. Credit 3.

This course provides students the opportunity to engage in a Service Learning Project within the community. Students will have the opportunity to complete sixty service hours at ~~different a~~ not for profit organizations, while gaining work experience for the future. In addition to the service hours, students are required to read a text book related to service learning, complete journal entries, and write reflective essays relating to the work experiences to the text.

##### **LIST 3093: Service Learning** Lec. 3. Credit 3.

This course provides students the opportunity to engage in a Service Learning Project within the community. Students will have the opportunity to complete sixty service hours at ~~different a~~ not for profit organizations, while gaining work experience for the future. In addition to the service hours, students are required to read a text book related to service learning, complete journal entries, write reflective essays relating the work experiences to the text, and compile an annotated bibliography relating research articles to the text.

**Motion.** Dr. Frye moved to approve the additions effective Spring 2014. The motion was seconded by Dr. Joe Roberts.

Dr. Frye made a friendly amendment to strike the word “different” and replace with “a” (reflected above). The friendly amendment was accepted by Dr. Roberts and the motion carried.

### **9. Approval of Course Addition from the Department of Economics, Finance, and Marketing**

In a memorandum dated September 25, 2013, approval was requested for the following:

#### Course Addition:

##### **ECON 4200 Environmental Economics** Lec. 3, Credit 3

Prerequisites: AGBE 2100 or ECON 2010. A detailed study of the economic foundations of Environmental Policy and common tools used by environmental economists to measure and analyze benefits and costs of environmental regulation and consider the characteristics of efficient regulation.

**Motion.** Dr. Alley, representing Dr. Isbell, moved to approve the addition effective Spring 2014. The motion was seconded by Dr. Barnes and carried.

### **10. Approval of Course Change from the Department of Economics, Finance, and Marketing**

In a memorandum dated November 7, 2013, approval was requested for the following:

#### Course Change:

From:

**FIN 2000 Personal Finance. Lecture 3. Credit 3.** Financial concepts and practices relevant to personal financial decision making. ~~(In order to receive credit toward a degree in business, this course must be taken prior to enrolling in FIN 3210 or its equivalent.)~~

To:

**FIN 2000 Personal Finance. Lecture 3. Credit 3.** Financial concepts and practices relevant to personal financial decision making. This course may be used as a business elective, but not as a Finance elective.

**Motion.** Dr. Wiant moved to approve the change effective Spring 2014. The motion was seconded by Ms. Galloway and carried.

### **11. Approval of Course Addition, Course and Curriculum Changes from the Department of Computer Science**

In a memorandum dated October 8, 2013, approval was requested for the following:

#### Course Addition:

**CSC 4040: Undergraduate Computing Research Experience** Credit 3.

Prerequisite: C or better in CSC 3040 and consent of instructor. This course combines instruction on how to perform computing research with a faculty-mentored research project.

#### **Course Changes:**

Modify prerequisites for CSC 3040

From:

**CSC 3040 - Professionalism, Communication and Research in Computing**

Lec. 3. Credit 3.

Prerequisite: Junior standing and C or better in CSC 2110, CSC 2111. Social, ethical, and career aspects of computing. Written, oral, and audio-visual communication in computer science; presentation techniques, report preparation, and technical correspondence. Introduction to research in computing.

To:

**CSC 3040 - Professionalism, Communication and Research in Computing**

Lec. 3. Credit 3.

Prerequisite: Junior standing, **SPCH 2410 or PC 2500**, and C or better in CSC 2110, CSC 2111. Social, ethical, and career aspects of computing. Written, oral, and audio-visual communication in computer science; presentation techniques, report preparation, and technical correspondence. Introduction to research in computing.

Modify description of CSC 2500

From:

**CSC 2500 - Unix Laboratory** Lec. 1. Lab 1. Credit 1.

Prerequisite: C or better in CSC 2110 and CSC 2111. Introduction to the facilities, tools, and development procedures in an environment designed for systems programming. Prerequisites may be taken concurrently.

To:

**CSC 2500 - Unix Laboratory Lab 2.** Credit 1.

Prerequisite: C or better in CSC 2110 and CSC 2111. Introduction to UNIX operating systems, the facilities, tools, and development procedures in an environment designed for systems programming. Prerequisites may be taken concurrently.

Change title and description of CSC 4575

From:

**CSC 4575/5575 - Information Assurance and Security Lec. 3.** Credit 3.

Prerequisite: Junior standing and C or better in CSC 2110, CSC 2111. IAS fundamentals, IAS policies and models, access control, malicious codes, vulnerability analysis, network security, database security, program security, and basic cryptography.

To:

**CSC 4575/5575 - Information Assurance and Cryptography Lec. 3.** Credit 3.

Prerequisite: Junior standing and C or better in CSC 2110, CSC 2111. **Course introduces students to the fundamentals of information assurance and cryptographic techniques along with their application to the prevention, detection, and mitigation of cyber threats.**

Modify prerequisites for CSC 4610

From:

**CSC 4610 - Software Engineering I Lec. 2. Lab. 2.** Credit 3.

Prerequisite: C or better in CSC 2120, CSC 2400, CSC 3300, and senior standing. Course covers process models, agile methods, requirement analysis, design, testing, usability, configuration management and project management.

To:

**CSC 4610 - Software Engineering I Lec. 2. Lab. 2.** Credit 3.

Prerequisite: C or better in CSC 2120, CSC 2400, **CSC 3030 or 3040, and** CSC 3300 and senior standing. Course covers process models, agile methods, requirement analysis, design, testing, usability, configuration management and project management.

### **Curriculum Changes:**

Change the “upper division computer science” definition (footnote 4) in the CSSC curriculum to prevent students in our CSSC concentration from using CSC 4990 (computer science internship) as a CSC upper division elective.

Current footnote:

<sup>4</sup>Take any additional 3000- or 4000-level CSC course.

Proposed footnote:

<sup>4</sup>Take any additional 3000- or 4000-level CSC course **except CSC 4990**

**Motion.** Dr. Talbert moved to approve the addition and changes effective Fall 2014. The motion was seconded by Ms. Galloway and carried.

## **12. Approval of Course and Curriculum Changes from the Department of Computer Science**

In a memorandum dated January 23, 2014, approval was requested for the following:

### Course Changes:

Modify the prerequisites for CSC 2560.

From:

**CSC 2560 - Networks for Information Technologists** Lec. 3. Credit 3.

Prerequisite: C or better in CSC 2500 and CSC 2550. Course covers theoretical and practical aspects of computer networks from an information technology perspective. CSC 2500 may be taken concurrently.

To:

**CSC 2560 - Networks for Information Technologists** Lec. 3. Credit 3.

Prerequisite: C or better in CSC 2500 ~~and CSC 2550~~. Course covers theoretical and practical aspects of computer networks from an information technology perspective. CSC 2500 may be taken concurrently.

Modify prerequisite for CSC 4710.

From:

**CSC 4710 (5710) - Design and Development of Human and Web Interfaces**

Lec. 3. Credit 3.

Prerequisite: C or better in CSC 2110, CSC 2111, and CSC 3030. A course in human-computer interaction, design and use interface development. It will expose students to tools, techniques, and ideas for designing effective human computer interfaces and discuss practical and legal aspects of accessibility.

To:

**CSC 4710 (5710) - Design and Development of Human and Web Interfaces**

Lec. 3. Credit 3.

Prerequisite: C or better in CSC 2110, CSC 2111, and either CSC 3030 ~~or CSC 3040~~. A course in human-computer interaction, design and use interface development. It will expose students to tools, techniques, and ideas for designing effective human computer interfaces and discuss practical and legal aspects of accessibility.

Change the grading scheme of CSC 4990 (Computer Science Internship) from receiving a traditional letter grade to being graded a either 'satisfactory' or 'unsatisfactory.'

**Motion.** Dr. Talbert moved to approve the course changes effective Fall 2014. The motion was seconded by Dr. Johnson and carried.

### Curriculum Changes:

1. Change "CSC Advance Core" requirement in the CSSC curriculum to "4000-level CSC elective" and drop the associated footnote #5.
2. In the CSSC curriculum, change footnote 3 as follows:  
Current footnote:

Take at least one science sequence from BIOL 1114-BIOL 2110, CHEM 1110-CHEM 1120 , GEOL 1040-GEOL 1045 or PHYS 2110-PHYS 2120 and PHYS 2111 PHYS 2121 (laboratories for PHYS 2110-PHYS 2120).

Propose footnote:

Take at least one science sequence from **BIOL 1105-BIOL 1114, BIOL 1105-BIOL 2110, CHEM 1110-CHEM 1120 , GEOL 1040-GEOL 1045 or PHYS 2110-PHYS 2120 and PHYS 2111 PHYS 2121** (laboratories for PHYS 2110-PHYS 2120). **The two sequences must be in different disciplines.**

3. In the CSIT curriculum, change footnote 3 as follows:

Current footnote:

Choose from BIOL 1115-BIOL 2110, CHEM 1110-CHEM 1120, GEOL 1040-GEOL 1045 or PHYS 2110-PHYS 2120 and PHYS 2111, PHYS 2121 (laboratories for PHYS 2110-PHYS 2120).

Propose footnote:

Choose from **BIOL 1105-BIOL 1114, BIOL 1105-BIOL 2110, CHEM 1110-CHEM 1120, GEOL 1040-GEOL 1045 or PHYS 2110-PHYS 2120 and PHYS 2111 PHYS 2121** (laboratories for PHYS 2110-PHYS 2120).

4. Add a footnote to the Junior-level 4-hour lab science to state that it must be in a different discipline that the required science sequence.

**Motion.** Dr. Talbert moved to approve the curriculum changes effective Fall 2014. The motion was seconded by Dr. Johnson and carried.

**Other Such Matters**

**Approval of Curriculum Changes from the School of Agriculture**

In a memorandum dated January 27, 2014, approval was requested for the following:

Curriculum Changes:

**We are dropping the Fall, Spring listing from AGBE 2100 to add planning flexibility. The School of Agriculture faculty has approved the change.**

From:

**AGBE 2100 – Economics of Agriculture**

Fall, Spring. Lec. 3. Credit 3.

Economic principles as they relate to agriculture, and the place of agriculture and agribusiness in the national economy.

To:

**AGBE 2100 – Economics of Agriculture**

Lec. 3. Credit 3.

Economic principles as they relate to agriculture, and the place of agriculture and agribusiness in the national economy.

**The catalog description for the course AGBE 3110 states that it is taught in the Fall. We are also dropping the Fall listing to add planning flexibility. The School of Agriculture faculty has approved the change.**

From:

**AGBE 3110 – Agricultural Marketing and Futures**

Fall. Lec. 3. Credit 3.

Institutions involved in marketing agricultural products and the use of futures and hedging.

To:

**AGBE 3110 – Agricultural Marketing and Futures**

Lec. 3. Credit 3.

Prerequisite: AGBE 2100. Institutions involved in marketing agricultural products and the use of futures and hedging.

**The catalog description for the course AGBE 4030 does not include prerequisites and needs to have two added. We are also dropping the Spring listing to add planning flexibility. The School of Agriculture faculty has approved the change.**

From:

**AGBE 4030 – Agribusiness Management**

Spring. Lec. 3. Credit 3.

Economics and business principles applied to farm management, resources allocation, budgeting, and records.

To:

**AGBE 4030 – Agribusiness Management**

Lec. 3. Credit 3.

Prerequisite: AGBE 2100 and AGBE 3400. Economics and business principles applied to farm management, resources allocation, budgeting, and records. Students who have not had prerequisites can request permission from the instructor.

**The catalog description for the course AGBE 4130 has senior standing as a prerequisite. This should not be a prerequisite for a policy class and should be deleted. A content based prerequisite is needed however and AGBE 2100 needs to be added as such. We are also dropping the Spring listing to add planning flexibility. The School of Agriculture faculty has approved the change.**

From:

**AGBE 4130 – Agricultural Policy**

Spring. (E) Lec. 3. Credit 3.

Prerequisite: Senior standing. Rural and urban values, farm problems, relationship of agriculture to public policy, policy vs. programs, and appraisal of program results.

To:

**AGBE 4130 – Agricultural Policy**

Lec. 3. Credit 3.

Prerequisite: AGBE 2100. Rural and urban values, farm problems, relationship of agriculture to public policy, policy vs. programs, and appraisal of program results.

**The School of Environmental Studies has requested that we include CHEM 3710 as an appropriate prerequisite for AGRN 3210. This course would allow their students to take AGRN 3210 after completing CHEM 1010 and 3710 as prescribed by their curriculum.**

**Since this was deemed sufficient at the time their curriculum was proposed, they would like to have it in the catalog description so the students don't have to seek permission of the instruction before being allowed to register for the class. The School of Agriculture faculty has approved the change.**

From:

AGRN 3210 – Soils

Lec. 3. Credit 3.

Prerequisite: [CHEM 1020](#), [CHEM 1120](#) or consent of instructor. Corequisite: [AGRN 3220](#). An introduction to soil physical, chemical, and biological properties and their relationship to plant growth, land use, and environmental quality.

To:

AGRN 3210 – Soils

Lec. 3. Credit 3.

Prerequisite: [CHEM 1020](#), or [CHEM 1120](#), or CHEM 3710 or consent of instructor. Corequisite: [AGRN 3220](#). An introduction to soil physical, chemical, and biological properties and their relationship to plant growth, land use, and environmental quality.

**Motion.** Dr. Mullens moved to approve the changes effective immediately. The motion was seconded by Dr. Stein and carried.

**Appointment of Nomination Committee for 2014-15 Chairperson**

Dr. Anderson appointed Ms. Galloway, Dr. Wilson, and Dr. Groundland to serve as the nominating committee for the 2014-15 chairperson. The committee will submit their nomination at the March 20 meeting.

The meeting adjourned at 3:40.