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Council on Academic Affairs

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Agenda for the October 1, 2009 CAA Meeting

Items approved: 09-66, PSY 3820, Cognitive Neuroscience (New Course)
09-67, Neuroscience Interdisciplinary Minor (New Interdisciplinary Minor)
09-68, CHM 4770, Molecular Spectroscopy (Revised Course)
09-69, SOC 3960, Special Topics in Sociology (New Course)

Items Pending: 09-13, Proposal to Add a New Requirement for Graduation: Writing-Intensive and/or Writing Centered Course Completion
09-70, Revised Senior Seminar Mission Statement

Council on Academic Affairs

Minutes

October 1, 2009

The October 1, 2009 meeting of the Council on Academic Affairs was held at 2:00 p.m. in Room 4440, Booth Library.

Members Present: Dr. Bower, Dr. Campbell, Ms. Green, Dr. Hendrickson, Mr. Lambert, Dr. Mitchell, Mr. Pickham, Dr. Reid, Ms. Ruholl, and Dr. Sterling.

Members Absent: Dr. Shelton and Dr. White.

Staff Present: Provost Lord, Dr. Herrington-Perry, and Ms. Fopay.

Guests Present: Dr. Coit, Faculty Senate; Dr. Eckert, Sociology/Anthropology; Dean Hanner, College of Sciences; Dr. Mace, Psychology; Dr. McGuire, Chemistry; Dr. Peebles, Chemistry; President Perry; and Dr. Stowell, Psychology.

Dr. Hendrickson welcomed Mr. Pickham who will serve as a student representative on CAA this year.

I. Approval of the September 10, 2009 CAA Meeting Minutes.

The minutes of September 10, 2009 were approved as written.

II. Approval of the September 23-24, 2009 CAA Electronic Meeting Minutes.

The minutes of September 23-24, 2009 were approved as written.

III. Communications:

a. College Curriculum Committee Meeting Minutes:

1. Minutes of the September 4, 2009 College of Science Curriculum Committee meeting.
2. Minutes of the September 14, 2009 Lumpkin College of Business & Applied Sciences meeting.
3. Amended minutes of the April 29, 2009 College of Arts & Humanities Curriculum Committee meeting.
4. Minutes of the September 16, 2009 College of Arts & Humanities Curriculum Committee meeting.
5. Minutes of the September 18, 2009 College of Science Curriculum Committee meeting.

b. Executive Action Requests:

1. September 23, 2009 memorandum from Dean Hoadley, LCBAS, requesting executive action to revise the course prerequisites for INT 2324, 2523, 3343, 4274, 4673, 4803, 4833, and 4943, effective Spring 2010.

*Ms. Green had a question about the executive action request for INT 2324 and its prerequisite "MAT 1270 or ACT score of 19 or higher." She wondered if the ACT score prerequisite for the course should be "MAT 1270 or Math ACT score of 20 or higher" rather than "19 or higher" since a Math ACT score of 20 is the current ACT guideline for the next level math course, MAT 1271, after MAT 1270. Students with a Math ACT score of 19 are placed into MAT 1270. Ms. Green explained that just prior to the meeting today, she contacted Ms. Hennig, LCBAS, about the question. Ms. Hennig will contact the Industrial Technology Department to get an answer.**

On another note, the council indicated that it would like to see rationales for each of these Industrial Technology executive action requests, as well as all executive action requests submitted to the council in the future from each college. Dr. Hendrickson will send an email to each college dean asking that rationales be provided with executive action requests.

**Note: After the meeting, Ms. Hennig indicated that it was okay to change the ACT score from 19 to 20 per the Industrial Technology Department. However, she was unsure whether the ACT score was a math ACT score or an overall ACT score requirement. She will seek clarification about it and ask that the INT 2324 executive action request be revised accordingly before resubmitting it to CAA. In addition, she will ask the Industrial Technology Department to submit rationales for each of the Industrial Technology executive action requests.*

IV. Committee Reports:

None.

V. Item Added to the Agenda:

1. 09-70, Revised Senior Seminar Mission Statement

Dr. Reid moved and Dr. Sterling seconded the motion to add this item to the agenda.

VI. Items Acted Upon:

1. **09-66, PSY 3820, Cognitive Neuroscience (New Course)**

Dr. Mace presented the proposal. There were no questions.

Dr. Bower moved and Dr. Ruholl seconded the motion to approve the proposal. The motion passed unanimously.

The proposal was approved, effective Fall 2010.

3820 PSY. Cognitive Neuroscience. (3-0-3) F. Cognitive Neuroscience is the combined study of the brain and the mind. This course focuses on the brain as a biological computational device whose output can be studied from various perspectives that include cognition, genetics, and mathematics in addition to biology. Developmental processes and brain disorders that impair cognition will also be studied. Prerequisites: PSY 1879G and PSY 3310.

Note: After the meeting, a minor correction was made to the PSY 3820 course proposal. Dr. Stowell had informed Ms. Fopay that on the first page of the proposal, under prerequisites, it shows PSY 3310 (Biopsychology). The course title in the catalog is Biological Psychology.

At this point, Dr. Hendrickson indicated that President Perry was in attendance and invited him to speak to the council. President Perry briefly spoke to the council and thanked the group for its work.

2. **09-67, Neuroscience Interdisciplinary Minor (New Interdisciplinary Minor)**

Dr. Stowell presented the proposal. There were no questions.

Ms. Green moved and Mr. Lambert seconded the motion to approve the proposal. The motion passed unanimously.

The proposal (**See Attachment A**) was approved, effective Fall 2010.

3. **09-68, CHM 4770, Molecular Spectroscopy (Revised Course)**

Dr. Peebles and Dr. McGuire presented the proposal and answered questions of the council.

Dr. Reid moved and Ms. Green seconded the motion to approve the proposal. The motion passed unanimously.

The proposal was approved, effective Fall 2010.

4770 CHM. Molecular Spectroscopy. (0-6-2) F. Application of spectroscopic techniques to study molecular structures, properties and dynamics. Methods used include vibrational and rotational spectroscopy, laser spectroscopy, and computational techniques. Prerequisite: CHM3915 (with a grade of C or better) and CHM3920; or permission of instructor. WI

4. 09-69, SOC 3960, Special Topics in Sociology (New Course)

Dr. Eckert presented the proposal and answered questions of the council. The council requested the following minor revisions to the proposal:

- 1.) Add the word "the" to the beginning of the first sentence shown under Part III.
- 2.) Add the words "For example" at the beginning of the text and supplementary materials listing at Part V, #3.

Dr. Bower moved and Ms. Green seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revisions, was approved, effective Spring 2010.

3960 SOC. Special Topics in Sociology. (Arranged-0-1 to 3) On Demand. Specific areas within the discipline of sociology will be given intensive study through lectures, readings, reports, papers, and discussion. The topic will be announced in advance by the department chairperson. Course may be repeated with different topics, but no more than twice for sociology elective credit. Prerequisites: SOC 1838G.

VII. Pending:

1. 09-13, Proposal to Add a New Requirement for Graduation: Writing-Intensive and/or Writing Centered Course Completion

There will be an electronic meeting next week. The next face-to-face meeting will be held Thursday, October 15, 2009.

The meeting adjourned at 2:30 p.m. *—Minutes prepared by Ms. Janet Fopay, Recording Secretary*

The current agenda and all CAA council minutes are available on the Web at <http://www.eiu.edu/~eiucaa/>. In addition, an electronic course library is available at <http://www.eiu.edu/~eiucaa/elibrary/>.

***** ANNOUNCEMENT OF NEXT MEETING *****
September 7-8, 2009
Electronic Meeting

Approved Executive Actions:

None.

Pending Executive Actions:

(Rationales needed for each of these requests. See page 1 and 2 of these minutes.)

LCBAS

Effective Spring 2010

1. Revise the prerequisites for INT 2324
(Note: See page 1 and 2 of these minutes concerning the ACT score prerequisite for this course. Currently, there is a question about it.)

2324 INT Electronic Control Systems. (2-2-3) F, S. An introduction to basic electrical industrial control concepts. Topics included basic electrical concepts, basic electrical automation and control concepts, introduction to loads and actuators, control sequencing and data acquisition fundamentals. Prerequisite: MAT 1270 **or ACT score of 20 or higher.**

2. Update the prerequisites for INT 2523.

2523 INT Routing and Switching Fundamentals. (2-2-3) F. An in-depth hardware course in computer hardware systems, Open Systems Interconnect (OSI) model layers, configuration details of Internet Protocol routing, switching topics, and router operation as applied to industrial settings. Prerequisite: **BUS 1950 INT 1323.**

3. Amend the prerequisites for INT 3343.

3343 INT Digital Media Technologies. (1-4-3) On Demand. Advanced study of digital media applications applied to print and web media. Major emphasis will be on page layout, image capture and conversion, basic color theory, web page development, differences in computer operating systems and file formats. This course will include individual student and team projects applied to color output devices, and applications to print and web media. Prerequisite: INT 1363 ~~or permission of instructor.~~

4. Change the prerequisites for INT 4274.

4274 INT Automation and Control Systems. (2-4-4) F. Study of industrial control systems, including: actuators and loads; sensors, transducers and feedback circuits; motion control; and automation and control system requirements. Prerequisite: INT 2324 ~~or permission of the instructor.~~

5. Update the prerequisites for INT 4673.

4673 INT Work Measurement and Method Design. (3-0-3) S. Principles of motion and time study and methods engineering for the purpose of increasing productivity and reducing human effort. Special emphasis will be given to design and measurement of work in industrial environments. Prerequisite: ~~INT 1263 and MAT 2110G or 1441G~~ **MAT 2120G.**

6. Revise the prerequisites for INT 4803.

4803 INT Plant Layout and Material Handling. (3-0-3) F. Study of the arrangement of physical facilities and material handling to optimize the interrelationships among operating personnel, material flow, and the methods required in achieving enterprise objectives efficiently, economically, and safely. Prerequisite: **INT 1323, INT 2043, and INT 1263 MAT 2120G.**

7. Delete the prerequisites for INT 4833.

4833 INT Automatic Identification and Data Capture. (2-2-3) F, S. A study of the methods and systems used to automatically identify objects. Various forms of keyless data entry and capture through class and lab experience will be studied; bar coding, scanning, radio frequency identification (RFID), voice data entry, vision, biometrics, and other systems. ~~Prerequisite: INT 2324 Electronic Control Systems or equivalent.~~

8. Amend the prerequisites for INT 4943.

4843 INT Statistical Quality Assurance. (3-0-3) F, S. Principles of total quality control; Shewhart control charts; acceptance sampling; capability and reliability studies. Prerequisite: ~~MAT 1271 or its equivalent.~~ **INT 1323, MAT 2120G, and either BUS 2810 or MAT 2250G.**

Attachment A**Neuroscience Interdisciplinary Minor**

The interdisciplinary neuroscience minor involves the study of brain theory and research, psychological theory and research, philosophy of mind and consciousness, and mathematical modeling of brain and cognitive processes to understand the role that the brain plays in mental and behavioral phenomena.

The interdisciplinary neuroscience minor is composed of courses in biological sciences, communication disorders & sciences, mathematics and computer sciences, psychology, and philosophy. Courses may be double counted for the respective major and the minor. Existing prerequisites for courses must be satisfied.

Requirements:

The minor includes 3 required courses (9 hours), another course from the first group of electives (2-3 hours), and 9 hours from the last group of electives, for a total of 20-21 hours for the minor.

Course	Title	Hours
Required Courses (9 Hours)		
PHI 3540	Philosophy of Mind	3-0-3
PSY 3310	Biological Psychology	3-0-3
PSY 3820	Cognitive Neuroscience*	3-0-3
One course from the following group of electives (2-3 Hours)		
BIO 4834	Neurobiology	3-0-3
CDS 3500	Neurological/Embryological Aspects of Comm	3-0-3
MAT 3800	Seminar: Neural Networks or Artificial Intelligence	2-0-2
PSY 3830	Cognitive Processes	3-0-3
Nine hours from the following group of electives; No more than 2 courses from one discipline		
BIO 3100	Molecular and Cell Biology	3-0-3
BIO 3200	Genetics	3-2-4
BIO 4832	Animal Behavior	3-3-4
BIO 4834	Neurobiology	3-0-3
BIO 5406	Endocrinology	3-3-4
CDS 2500	Anatomy/Physiology of Speech	3-0-3
CDS 3500	Neurological/Embryological Aspects of Comm	3-0-3
CDS 5400	Special Topics: Executive Functions	2-0-2
MAT 3800	Seminar: Neural Networks or Artificial Intelligence	2-0-2
MAT 4885	Theory of Computation	3-0-3
PHI 3700G	Language and Human Nature	3-0-3
PHI 3780	Philosophy of Science	3-0-3
PHI 3900	Symbolic Logic	3-0-3
PSY 3680	Sensation and Perception	3-0-3
PSY 3830	Cognitive Processes	3-0-3

TOTAL: 20-21 HOURS

* New course