
Agenda for the November 17, 2005 CAA Meeting

Items approved: 05-56, REC 3320, Festivals and Special Events (New Course)
05-57, FLX 1101, Elementary Language Course I (New Course)
05-58, BIO 3850, Environmental Biology (New Course)
05-59, BIO 4820, Spatial Analysis for Environmental Sciences (New Course)
05-60, Biological Sciences (Revised Major)
05-61, Interdisciplinary Minor in Criminology (New Minor)

Items Pending: 05-55, Grade Appeals (Revised Policy)
05-62, Pre-Law Studies Minor (Revised Minor)
05-63, INT 4823, Facility Security (New Course)
05-64, INT 4833, Automatic Identification and Data Capture (New Course)

Council on Academic Affairs Minutes

November 17, 2005

The November 17 meeting of the Council on Academic Affairs was held at 3:00 p.m. in Booth Library Conference Room 4440.

Members present: Dr. Bower, Dr. Carwell, Mr. Collier, Dr. Dietz, Ms. Dilworth, Ms. Fredrick, Dr. French, Dr. Reid, Dr. Roszkowski, Ms. Sterling, Dr. Stowell, Mr. Tracy, and Dr. Upadhyay.

Members absent: None.

Staff present: Dr. Lord, Dr. Weber, and Ms. Fopay.

Guests present: Dr. Chancellor, Recreation Administration; Dr. Canfield, Foreign Languages; Associate Vice President Cross, Academic Affairs; Dr. DePetro, Philosophy; Dr. Foster, Sociology/Anthropology; Dr. Haile Mariam, Psychology/Faculty Senate; Dr. Higelmire, Recreation Administration; Dr. Methven, Biological Sciences; and Dr. Woodley, School of Technology.

I. Approval of the November 10, 2005 Minutes.

The minutes of November 10, 2005 were approved as written.

Follow-up from 11/10/05 Meeting:

1. Dr. Reid explained that the technology-delivered questionnaire for CMN 2010 is not necessary. The instructor for that course has completed the CATS online training module. Therefore, the questionnaire was withdrawn. In addition, she explained she is still looking into why the course syllabus contains information from Dr. Stowell's syllabus.
2. Dr. Reid reported that she tried to contact each college about the council's request that a column be added to waiver reports to indicate who approved each waiver. She was able to reach all but one college representative to explain the council's request and to also get details on each college waiver process. Dr. Reid explained that each college has a different process. As an example, she outlined the process for the College of Arts & Humanities. Finally, she said, that she will continue to discuss the council's request with each college.
3. Dr. Reid indicated that she contacted the College of Arts & Humanities (CAH) to ask the council members' questions regarding waivers 06-018 and 06-028 listed on the October 2005 CAH Waiver Report. She reported to the council the details that she had learned about why each waiver was approved.

II. Communications:

1. Minutes from the October 24, 2005 College of Education & Professional Studies Curriculum Committee meeting.
2. Minutes from the November 2, 2005 College of Arts & Humanities Curriculum Committee meeting.
3. November 7, 2005 memorandum from Dean Bonnie Irwin, Honors College, regarding a replacement appointment for Dr. Jean Wolski on the Honors Council.
The council members accepted Dean Irwin's request. Mr. John Oertling will replace Dr. Jean Wolski on the Honors Council while she is on sabbatical reassignment during the Spring 2006 semester.

4. Minutes from the November 9, 2005 College of Arts & Humanities Curriculum Committee meeting.

III. Committee Reports:

1. Dr. Reid reported on the Committee for the Assessment of Student Learning (CASL). She explained that a CASL subcommittee is trying to clarify the definition for cultural diversity. The group will forward the item to CAA. It will be acted upon by CAA at its December 8, 2005 meeting. In addition, the committee is fine tuning the catalog text for writing portfolios. It will also be an item for CAA to act upon. Finally, the group will be revising the overall assessment plan next semester.

IV. Items Added to the Agenda:

STEP ONE

1. 05-57, FLX 1101, Introductory Language Course I (Revised Course)
2. 05-58, BIO 3850, Environmental Biology (New Course)
3. 05-59, BIO 4820, Spatial Analysis for Environmental Sciences (New Course)
4. 05-60, Biological Sciences (Revised Major)
5. 05-61, Interdisciplinary Minor in Criminology (New Minor)
5. 05-62, Pre-Law Studies Minor (Revised Minor)
6. 05-63, INT 4823, Facility Security (New Course for the Proposed Technology Security Program going before the Council on Graduate Studies on 12/6/05)
7. 05-64, INT 4833, Automatic Identification and Data Capture (New Course for the Proposed Technology Security Program going before the Council on Graduate Studies on 12/6/05)

Dr. Carwell moved and Dr. French seconded the motion to add these items to the agenda.

STEP TWO

1. General Education
 - a. *Humanities & Fine Arts:*
 1. 05-65, ART 3611G, Art in India and Southeast Asia (New Course)
 2. 05-66, ART 3612G, Art in China and Japan (New Course)
 3. 05-67, HIS 2010G, History of the United States to 1877 (Revised Course)
 4. 05-68, HIS 2020G, History of the United States Since 1877 (Revised Course)
 5. 05-69, HIS 2090G, History of the United States to 1877, Honors (Revised Course)
 6. 05-70, HIS 2091G, History of the United States Since 1877, Honors (Revised Course)
 7. 05-71, PHI 1200G, Introduction to Religious Studies (New Course)
 8. 05-72, PHI 1290G, Introduction to Religious Studies, Honors (New Course)
 - b. *Social & Behavioral Sciences:*
 1. 05-73, HST 2200G, Health Citizenship: Diversity, Unity, and Responsibility of Contemporary Global Citizenship (New Course)
 2. 05-74, JOU 2001G, Journalism and Democracy (Proposal to add an existing course to general education)
 3. 05-75, JOU 2091G, Journalism and Democracy, Honors (Proposal to add an existing course to general education)
 4. 05-76, REC 3400G, World Leisure: A Cultural Perspective (New Course)
 5. 05-77, Delete Constitution Requirement from the Social & Behavioral Sciences area of General Education (drop PLS 1153G; PLS 1193G and HIS 3600; HIS 3690 as requirements and retain same in Social & Behavioral Science electives)

Dr. French moved and Dr. Bower seconded the motion to add these items to the December 8, 2005 agenda.

STEP THREE

Dr. French moved and Dr. Dietz seconded the motion to suspend bylaws to act upon agenda items 05-57 thru 05-64 at today's meeting. The motion passed unanimously.

V. Items Acted Upon:**1. 05-56, REC 3320, Festivals and Special Events (New Course)**

Dr. Higelmire and Dr. Chancellor presented the proposal and answered questions of the council. The council requested the following revisions to the course proposal:

1. Add a statement to the course prerequisites indicating that Sophomore standing or above is required for the course.
2. Revise the student learning objectives (2.a.) and the methods for assessing the objectives (2.b.)
3. FCS 4340 and CMN 3950 are similar courses to REC 3320. Therefore, the council requested that the courses be listed under 4.c.

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

The proposal was approved, effective Fall 2006, pending completion of the requested revisions.

REC 3320. Festivals and Special Events. (3-0-3) F. Fest Spec Events. This course offers an introduction to the planning, marketing, management and evaluation of festivals and special events. **Prerequisites: At least 30 hours or Sophomore standing.**

Mr. Tracy entered the meeting at 2:20 p.m.

2. 05-57, FLX 1101, Introductory Language Course I (New Course)

Dr. Canfield and Dr. French presented the proposal and answered questions of the council. Ms. Fopay incorrectly typed "Revised Course Proposal" in the header for this course proposal. FLX 1101 is actually a new course. The council requested the following revisions to the course proposal:

1. Change the course title to "Elementary Language Course I".
2. Add the following sentence to the list of texts (5.b.): "Elementary text specific to language."

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

The proposal, with revisions, was approved, effective Fall 2006.

FLX 1101. ~~Elementary~~ Introductory Language Course I (4-0-4) On Demand. Intro to X-lang. This course is designed to provide students with basic knowledge of grammar, vocabulary and culture that will enable them to develop level-appropriate communicative skills and perform basic tasks in a society in which the target language is spoken.

Ms. Frederick entered the meeting at 2:35 p.m.

3. 05-58, BIO 3850, Environmental Biology (New Course)

Dr. Methven presented the proposal and answered questions of the council. The following revisions to the proposal were requested.

1. Change terms that the course will be offered from "Fall, Spring, Summer" to "Fall".
2. Add "and minors" to the end of the first sentence in the course description.

Dr. French moved and Ms. Dilworth seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revisions, was approved, effective Fall 2006.

BIO 3850. Environmental Biology. (3-0-3) F, S, Su. Environ Biology. An introduction to the principles of environmental science for Biological Sciences majors **and minors**. This course investigates the foundations of environmental science with particular attention to environmental problems and the costs and benefits of their solutions from the local to global scale. This course pays particular attention to the analysis, interpretation, and presentation of scientific information. Prerequisites: BIO 1200G and BIO 1300G. WA

5. **05-59, BIO 4820, Spatial Analysis for Environmental Sciences (New Course)**

Dr. Methven presented the proposal and answered questions of the council.

Dr. French moved and Mr. Collier seconded the motion to approve the proposal. The motion passed unanimously.

The proposal was approved, effective Fall 2006, *pending CGS approval*.

BIO 4820. Spatial Analysis for Environmental Sciences. (3-3-4) F. Spatial Analysis. An introduction to how spatial data are synthesized and interpreted in the environmental sciences. The course will focus on interpretation of remotely sensed data, point pattern analysis, and digital elevation models. Students will become familiar using appropriate software such as Geographic Information Systems (GIS), statistical and modeling software. Prerequisite: BIO 3800 or permission of the instructor.

6. **05-60, Biological Sciences (Revised Major)**

Dr. Methven presented the proposal and answered questions of the council.

Dr. French moved and Dr. Carwell seconded the motion to approve the proposal. The motion passed unanimously.

The proposal (See Attachment A) was approved, effective Fall 2006.

6. **05-61, Interdisciplinary Minor in Criminology (New Minor)**

Dr. Foster presented the proposal and answered questions of the council. The council requested that asterisks be placed next to courses with prerequisites in the list of courses on the proposal.

Dr. French moved and Dr. Dietz seconded the motion to approve the proposal. The motion passed unanimously.

The proposal, with revisions, (See Attachment B) was approved, effective Fall 2006.

7. **05-62, Pre-Law Studies Minor (Revised Minor)**

Dr. DePetro presented the proposal. She indicated that the proposal was missing the request to add PHI 3720 to the minor. As a result, no council action was taken on the proposal. Dr. DePetro will investigate why the information was missing and then submit a revised proposal to the council at a later date.

8. **05-63, INT 4823, Facility Security (New Course)**

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

1. Revise the student learning objectives (2.a.)
2. Incorporate graduate points into the methods for assessing the objectives (2.b.)
3. Add 2.d.
4. Provide an explanation for why the course is technology-delivered (4.a.)

Dr. Woodley will revise this proposal and submit it to the council for action at a later date.

Mr. Tracy left the meeting at 3:15 p.m.

Dr. Stowell left the meeting at 3:25 p.m.

9. 05-64, INT 4833, Automatic Identification and Data Capture (New Course)

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

1. Revise the student learning objectives (2.a.)
2. Incorporate graduate points into the methods for assessing the objectives (2.b.)
3. Add 2.d.
4. Provide an explanation for why the course is technology-delivered (4.a.)

Dr. Woodley will revise this proposal and submit it to the council for action at a later date.

VI. Pending:

1. 05-55, Grade Appeals (Revised Policy)

VII. Future Items:

1. General Education

Courses proposed as revised or new:

Humanities & Fine Arts:

Executive Action request to renumber HIS 1500G; HIS1590G – Roots of the Modern World; and Honors, as:

- * HIS 1500G; HIS 1590G – Roots of the Modern World: Society & Religion; and Honors
- * HIS 1510G; 1591G – Roots of the Modern World: Slavery & Freedom; and Honors
- * HIS 1520G; 1592G – Roots of the Modern World: Global Interactions; and Honors

Scientific Awareness

Biological Sciences:

- Executive Action request to delete BIO 1092G, General Botany, Honors, from the Undergraduate Catalog
- add BIO 1092G – Practical Botany Honors
- add BIO 1094G – Practical Microbiology, Honors
- revise BIO 2002G; BIO 2092G – Environmental Life Sciences; Honors
- revise BIO 2003G; BIO 2093G – Biological Sciences; and Honors

Physical Sciences:

- revision to ESC/GEL 3010G – Environmental Physical Sciences

Senior Seminars:

- revise EIU 4157G – Impact of Communication Deficits [Disorders]: Adjusting to Cultural Demands
- new EIU 4290G – Plants & Civilizations, Honors
- new EIU****G, History of Graphic Narratives

Catalog Copy:

Study Abroad
 Constitution Requirement
 Description of Gen Ed, particularly the Cultural Diversity and Global Citizenship sections

The next meeting will be held Thursday, December 1, 2005.

The meeting adjourned at 3:27 p.m.

--Minutes prepared by Janet Fopay, Recording Secretary

The CAA minutes, agendas, and summaries of CAA actions are distributed via a listserv, caa-list. To subscribe, go to the following web site: <http://lists.eiu.edu/mailman/listinfo/caa-list>. Locate the section "Subscribing to caa-list" and enter your email address and create a password. Next, click on the subscribe box. An email will be sent to you requesting confirmation. Once confirmation is received, your request will be held for approval by the list administrator. You will be notified of the administrator's decision by email.

***** ANNOUNCEMENT OF NEXT MEETING *****
 Thursday, December 1, 2005
 Conference Room 4440 – Booth Library @ 2:00 p.m.

Agenda

1. 05-63, INT 4823, Facility Security (New Course)
2. 05-64, INT 4833, Automatic Identification and Data Capture (New Course)
3. General Education
 - a. *Humanities & Fine Arts:*
 1. 05-65, ART 3611G, Art in India and Southeast Asia (New Course)
 2. 05-66, ART 3612G, Art in China and Japan (New Course)
 3. 05-67, HIS 2010G, History of the United States to 1877 (Revised Course)
 4. 05-68, HIS 2020G, History of the United States Since 1877 (Revised Course)
 5. 05-69, HIS 2090G, History of the United States to 1877, Honors (Revised Course)
 6. 05-70, HIS 2091G, History of the United States Since 1877, Honors (Revised Course)
 7. 05-71, PHI 1200G, Introduction to Religious Studies (New Course)
 8. 05-72, PHI 1290G, Introduction to Religious Studies, Honors (New Course)
 - b. *Social & Behavioral Sciences:*
 1. 05-73, HST 2200G, Health Citizenship: Diversity, Unity, and Responsibility of Contemporary Global Citizenship (New Course)
 2. 05-74, JOU 2001G, Journalism and Democracy (Proposal to add an existing course to general education)
 3. 05-75, JOU 2091G, Journalism and Democracy, Honors (Proposal to add an existing course to general education)
 4. 05-76, REC 3400G, World Leisure: A Cultural Perspective (New Course)
 5. 05-77, Delete Constitution Requirement from the Social & Behavioral Sciences area of General Education (drop PLS 1153G; PLS 1193G and HIS 3600; HIS 3690 as requirements and retain same in Social & Behavioral Science electives)

PENDING: 05-62, Pre-Law Studies Minor (Revised Minor)
 05-55, Grade Appeals (Revised Policy)

Approved Executive Actions:

CAH

Effective Fall 2006

1. Change the designation for PHI 3700G from Writing Active to Writing Intensive.

CEPS

Effective Spring 2006

1. Delete PED 2144, Technique and Theory of Scuba Diving.

COS

Effective Fall 2006

1. **BIO 3100** – Change prerequisite from "BIO 1100 and CHM 2430" to "BIO 1100, CHM 1410 and CHM 1415."
2. **BIO 3200** – Change prerequisite from "BIO 1100" to "BIO 3100 or CHM 3450."
3. **BIO 3510** – Change prerequisite from "BIO 1200G and one year of chemistry" to "BIO 1200G and BIO 3100; or CHM 3450."
4. **BIO 3520** – Change prerequisite from "BIO 1100, CHM 1410 and CHM 1415, CHM 2430 recommended" to "BIO 3100 or CHM 3450."

5. **PLS 3303** – Add prerequisite of “PLS 1003 or 2253G or permission of the instructor.”
6. **PLS 3323** – Add prerequisite of “PLS 1003 or 2253G or permission of the instructor.”
7. **PLS 3363** – Change prerequisite from “Three semester hours of political science” to “PLS 1003 or permission of the instructor.”
8. **PLS 3373** – Change prerequisite from “Three semester hours of political science or permission of instructor” to “PLS 2253G or permission of the instructor.”
9. **PLS 3513** -- Add prerequisite of “PLS 1153G or permission of the instructor.”
10. **PLS 3523** -- Add prerequisite of “PLS 1153G or permission of the instructor.”
11. **PLS 3543** -- Add prerequisite of “PLS 1153G or permission of the instructor.”
12. **PLS 3753** -- Change prerequisite from “Three semester hours in political science or permission of instructor” to “PLS 1153G or permission of the instructor.”
13. **PLS 4774** – Add prerequisite of “PLS 1153G or permission of the instructor; junior standing or above.”
14. **PLS 4793** -- Change prerequisite from “PLS 1153G or permission of the instructor” to “PLS 1153G or permission of the instructor; junior standing or above.”
15. **PLS 4823** -- Change prerequisite from “Nine semester hours in the social sciences or permission of the instructor” to “Nine semester hours in the social sciences or permission of the instructor; junior standing or above.”
16. **PLS 4853** -- Change prerequisite from “Three semester hours in public law or permission of the instructor” to “Three semester hours in public law or permission of the instructor; junior standing or above.”
17. **PLS 4873** -- Change prerequisite from “PLS 1153G or permission of the instructor” to “PLS 1153G or permission of the instructor; junior standing or above.”
18. **PLS 4893** -- Change prerequisite from “PLS 1153G or permission of the instructor” to “PLS 1153G or permission of the instructor; junior standing or above.”
19. **PLS 4903** -- Change prerequisite from “Six semester hours of political science or permission of the instructor” to “Six semester hours of political science or permission of the instructor; junior standing or above.”
20. **PLS 4913** -- Change prerequisite from “Six semester hours of political science or permission of the instructor” to “Six semester hours of political science or permission of the instructor; junior standing or above.”
21. **PLS 4933** -- Change prerequisite from “Three semester hours of political science or permission of the instructor” to “Three semester hours of political science or permission of the instructor; junior standing or above.”

Pending Executive Actions:

1. **BIO 1092G, General Botany, Honors** – Delete course from undergraduate catalog. (PENDING GENERAL EDUCATION DISCUSSIONS)

Attachment A**Biological Sciences****B.S. in Biological Sciences****Biological Sciences option**

An option in the Biological Sciences offerings.

Core Requirements

BIO 1100 — General Biology. Credits: 4

BIO 1200G — General Botany. Credits: 4

BIO 1300G — Animal Diversity. Credits: 4

BIO 3100 Molecular and Cell Biology. Credits: 3

BIO 3101 Molecular and Cell Biology Laboratory. Credits: 1

BIO 3200 — Genetics. Credits: 4

BIO 3800 — Ecology. Credits: 4

BIO 4984 — Organic Evolution. Credits: 3

CHM 1310G — General Chemistry I. Credits: 3

CHM 1315G — General Chemistry Laboratory I. Credits: 1

CHM 1410 — General Chemistry II. Credits: 3

CHM 1415 — General Chemistry Laboratory II. Credits: 1

MAT 1441G* — Calculus and Analytic Geometry I. Credits: 5

PHY 1151G — Principles of Physics I. Credits: 3

PHY 1152G — Principles of Physics I Laboratory. Credits: 1

PHY 1161 — Principles of Physics II. Credits: 3

PHY 1162 — Principles of Physics II Laboratory. Credits: 1

AND

CHM 2430 — Survey of Organic Chemistry. Credits: 3

CHM 2435 — Survey of Organic Chemistry Laboratory. Credits: 1

OR

CHM 2440 --- Organic Chemistry I. Credits: 3.

CHM 2445 --- Organic Chemistry Laboratory I. Credits: 1

AND

BIO 4750 — Biometrics. Credits: 3

OR

MAT 2250G — Elementary Statistics. Credits: 4

AND

BIO 3510 — Plant Physiology. Credits: 4

OR

BIO 3520 Animal Physiology. Credits: 4

Electives

Biological Sciences majors must also complete 22 sh of elective course work in Biological Sciences (with the exception of BIO 3400, BIO 4275, workshops, and courses designed for General Education) or Mathematics or Physical Sciences courses above 2000 (with the exception of general education and CHM 2310). A minimum of 16 sh must be taken in the Biological Sciences.

Footnotes:

*Students not prepared for this course will be required to take additional pre-requisite math classes.

(Major GPA based on all biological sciences courses taken at EIU)

DELETE THE CONCENTRATION: BIOLOGICAL SCIENCES MAJOR REQUIREMENTS

~~Biological Sciences Concentrations~~

~~1. Biology~~

~~Biological Sciences major:~~

~~Course work in the following areas:~~

26 sh of course work in the Biological Sciences (with the exception of BIO 3400, BIO 4275, workshops, and courses designed for General Education except BIO 30020) or Mathematics or Physical Sciences courses above 2000 (with the exception of general education and CHM 2310). A minimum of 20 sh must be taken in the Biological Sciences.

AND

BIO 3510 — Plant Physiology. Credits: 4

OR

BIO 3520 Animal Physiology. Credits: 4

DELETE THE FOLLOWING CONCENTRATIONS

2. Botanical Sciences

Course work in the following areas:

BIG 3300 — General Microbiology. Credits: 4

810 3510 — Plant Physiology. Credits: 4

BIG 3610 — Survey of Algae and Fungi. Credits: 3

BIO 3612 — Plant Morphology. Credits: 3

BIG 3614 — Plant Anatomy. Credits: 3

BIO 4946 — Plant Taxonomy. Credits: 3

And 10 semester hours of course work from the following:

(Excluding BIO 4275)

810 2320 — Economic Botany. Credits: 2

BIO 2322 — Survey of Local Flora. Credits: 2

BIO 3101 — Molecular and Cell Biology Laboratory. Credits: 1

BIO 3312 — Horticulture. Credits: 3

BIG 3322 — Dendrology. Credits: 3

BIG 3450 — Independent Study. Credits: 1 to 3

BIG 3451 — Undergraduate Research. Credits: 1 to 3

BIG 4400 — Teaching in the Lab. Credits: 1

810 4800 — Research Techniques. Credits: 2

BIO 4810 — Plant Ecology. Credits: 3

BIG 4892 — Introduction to Paleobotany. Credits: 4

BIO 4940 — Phycology. Credits: 3

BIG 4942 — Mycology. Credits: 3

810 4944 — Lichens. Credits: 3

BIG 4946 — Bryology. Credits: 3

3. Ecology and Systematics

Course work in the following areas:

810 3510 — Plant Physiology. Credits: 4

OR

BIG 3520 — Animal Physiology. Credits: 4

And 26 semester hours of course work from the following:

(Excluding BIO 4275)

BIO 3101 — Molecular and Cell Biology Laboratory. Credits: 1

BIO 3300 — General Microbiology. Credits: 4

BIO 3322 — Dendrology. Credits: 3

BIO 3450 — Independent Study. Credits: 1 to 3

BIO 3451 — Undergraduate Research. Credits: 1 to 3

BIO 3700 — Parasitology. Credits: 3

BIG 3720 — Entomology. Credits: 4

BIO 3810 — Freshwater Ecology. Credits: 3

BIG 3950 — Vertebrate Natural History. Credits: 3

810 3952 — Invertebrate Natural History. Credits: 3

BIO 4400 — Teaching in the Lab. Credits: 1

810 4800 — Research Techniques. Credits: 2

-
- 810 4810 — Plant Ecology. Credits: 3
810 4812 — Fisheries Ecology and Management. Credits: 3
BIO 4814 — Conservation Biology. Credits: 3
810 4816 — Study of Biotic Communities. Credits: 3
BIO 4818 — Environmental Microbiology. Credits: 4
810 4832 — Animal Behavior. Credits: 4
BIO 4940 — Phycology. Credits: 3
810 4942 — Mycology. Credits: 3
810 4944 — Lichens. Credits: 3
BIG 4946 — Bryology. Credits: 3
BIO 4948 — Plant Taxonomy. Credits: 3
BIO 4950 — Ichthyology. Credits: 3
BIO 4952 — Herpetology. Credits: 3
BIO 4954 — Ornithology. Credits: 3
4. Cell and Functional Biology
Course work in the following areas:
BIG 3100 — Molecular and Cell Biology. Credits: 3
810 3300 — General Microbiology. Credits: 4
AND
BIG 2200 — Human Anatomy. Credits: 43
OR
- BIO 3614 — Plant Anatomy. Credits: 33
OR
810 3620 — Functional Comparative Anatomy. Credits: 43
OR
BIG 3622 — Embryology. Credits: 43
AND
- BIG 3510 — Plant Physiology. Credits: 42
OR
BIO 3520 Animal Physiology. Credits: 42
AND
CHM 3300 — Survey of Biochemistry. Credits: 3
OR
CHM 3450 — Biochemistry I. Credits: 3
And 12 semester hours of course work from the following:
(Excluding BIG 4275)
810 2200 — Human Anatomy. Credits: 4
BIG 3101 — Molecular and Cell Biology Laboratory. Credits: 1
BIG 3210 — Immunology. Credits: 3
BIG 3450 — Independent Study. Credits: 1 to 3
BIG 3451 — Undergraduate Research. Credits: 1 to 3
810 3510 — Plant Physiology. Credits: 4
BIG 3520 — Animal Physiology. Credits: 4
BIG 3614 — Plant Anatomy. Credits: 3
BIG 3620 — Functional Comparative Anatomy. Credits: 4
BIG 3622 — Embryology. Credits: 4
810 3624 — Histology. Credits: 3
BIG 4400 — Teaching in the Lab. Credits: 1
810 4751 — Advanced Molecular Cell Biology. Credits: 3
BIG 4800 — Research Techniques. Credits: 2
810 4830 — Comparative Vertebrate Physiology. Credits: 3
BIG 4832 — Animal Behavior. Credits: 4

BIO 4834 — Neurobiology. Credits: 3

BIG 4836 — Pathogenic Microbiology. Credits: 4

CHM 3455 — Biochemistry Laboratory. Credits: 2

CHM 3460 — Biochemistry II. Credits: 3

CHM 4790 — Medicinal Chemistry. Credits: 3

CHM 4860 — Biochemistry III. Credits: 3

Footnotes

~~2 One course is required in concentration; the other may be used as an elective. One course is required in concentration; the others may be used as an elective.~~

~~B.S. in Biological Sciences~~

Attachment B**INTERDISCIPLINARY MINOR IN CRIMINOLOGY****Criminology Minor**

The interdisciplinary Criminology minor allows students to select one of two options, Criminal Justice or Criminal Administration, to better suit their anticipated career interests and to better complement their majors. Double counting coursework in concert with students' majors and other minors is permitted by the minor in criminology. Coursework constituting the criminology minor may include Honors Programs course equivalents; existing prerequisites for courses must be satisfied.

Total Semester Hours: 21

Core Requirements

PLS 3543 (Civil Liberties in America)
PHI 3070 (Philosophy of Law)
SOC 2761 (Introduction to Criminology)*

And

Criminal Justice Option

Any 4 of the following courses:

PLS 3523 (Criminal Law)
PSY 3780 (Abnormal Psychology)*
SOC 2750 (Social Problems in Contemporary Society)
SOC 2780 (Sociology of Deviant Behavior)
SOC 3770 (Sociological Analysis of Crime and Criminal Justice System)*
SOC 3780 (Policing Society)*
SOC 4750 (Juvenile Delinquency)*
SOC 4790 (Correctional Process)*

Or

Criminal Administration Option

Any 4 of the following courses:

BUS 2750 (Legal and Social Environment of Business)*
ECN 4850 (Economic Analysis of Law)*
PLS 3413 (Introduction to Public Administration)*
PLS 3513 (Politics and the Legal Process)
PLS 3903 (Gender, Public Policy and the Law)
PLS 4793 (Public Organization Theory)*
PLS 4853 (Contemporary Constitutional Development)*
PLS 4873 (Human Resource Management in Government)*
PLS 4893 (Government Budgeting and Politics)*
PSY 3780 (Abnormal Psychology)*
SOC 3770 (Sociological Analysis of Crime and Criminal Justice System)*

***prerequisite required; see course description.**