

1998

November 5, 1998

Council on Academic Affairs

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**ITEMS APPROVED**

- \*98-20a. Revision of the Integrated Core Writing Component Requirement. \*
  - \*98-62 ART 3200, Digital Art I, New Course. \*
  - \*98-63 BIO 3300, General Microbiology, Revised Course. \*
  - \*98-64 BIO 3450, Independent Study, Revised Course. \*
  - \*98-65 BIO 3451, Undergraduate Research, Revised Course. \*
  - \*98-66 BIO 3610, Survey of Algae and Fungi, Revised Course. \*
  - \*98-67 BIO 3612, Plant Morphology, Revised Course. \*
  - \*98-68 BIO 3952, Invertebrate Natural History, New Course. \*
  - \*98-69 BIO 4555, Honors Research, New Course. \*
  - \*98-70 BIO 4800, Research Techniques, New Course. \*
  - \*98-71 BIO 4818, Environmental Microbiology, Revised Course. \*
  - \*98-72 BIO 4836, Pathogenic Microbiology, New Course. \*
  - \*98-73 Biological Sciences Major (B.S.), New Program. \*
  - \*98-74 Admission Requirements for Psychology Majors, New Proposal. \*
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**MINUTES OF THE COUNCIL ON ACADEMIC AFFAIRS**

11/5/98

The November 5, 1998, meeting of the Council on Academic Affairs was held at 2:00 p.m. in the Arcola/Tuscola Room of the MLK Union.

- Members present: Dr. Abebe, Dr. Addison, Dr. Bock, Mr. Brinkmeyer, Ms. Gillette, Dr. Hanner, Ms. Mapes, Dr. T. Mason, Dr. McCormick, Dr. Obia, Dr. Owen, Dr. Sutton, Dr. Wohlstein.
- Staff present: Ms. Dolson, Dr. Evans, Ms. Herrington-Perry, Academic Affairs.
- Guests present: Dr. H. Black, Dr. C. Costa, Dr. S. Daniel, Mr. K. Franken, Mr. B. Gage, Dr. J. James, Dean Johnson, Dr. E. Keiter, Ms. M. Kelm, Dr. K. Kruse, Ms. B. Kuykendall, Dr. J. Laursen, Dr. M. Marjanovic, Dr. J. McGaughey, Dr. A. Methven, Dr. B. Nathan, Dr. T. Nelson, Dr. H. Nilsen, Ms. T. Sloup, Dr. P. Switzer, Dean Wall, Dr. W. Weber, Dr. R. Whittenbarger, Dr. K. Wilson, Ms. T. Zuber.

Chair Addison requested a change in the agenda order.

I. Minutes.

The Minutes of October 29, 1998, were approved as corrected:

- 1. Correspondence #11 - CD software that comes with the textbook will continue to be available. Software that stands alone (or is not part of a textbook package) will no longer be provided by the textbook library due to copyright and licensing regulations.
- 2. Add 98-62 ART 3200, Digital Art I, New Course to Agenda on pg. 3
- 3. 98-75 Elimination of CDS 2010C and 2020C, effective date should be Fall 1999.

II. Correspondence.

- 1. GEAC Minutes of 10/26/98.
- 2. Executive Action (11-2-98) from the Lumpkin College of Business and Applied Sciences. A question was raised on this item. Chair Addison will report his findings to the Council.
- 3. Email (10/27/98) from Bill Addison regarding ART 3200.
- 4. Email (11-1-98) from Wayne Pichon regarding the Biological Sciences Department.
- 5. Memo (11-2-98) from T. Howard Black regarding the new program in the Biological Sciences Department.
- 6. Memo (11-2-98) from Kevin Franken regarding the new program in the Biological Sciences Department.
- 7. Email (11-3-98) from Dr. Coddington regarding ART 3200.
- 8. Email from Tom Nelson regarding the new program in the Biological Sciences Department.
- 9. Phone call from Dr. Coddington stating that he had reviewed ART 3200 and that it did not duplicate any courses in INT.
- 10. Copy of emails from alumni regarding the new program in the Biological Sciences Department.

III. 98-76 Course Proposal Format, Revision.

Dr. Wohlstein moved and Dr. McCormick seconded the motion to put this item on the agenda. Voting will be later.

IV. 98-20a. Revision of the Integrated Core Writing Component Requirement.

Dr. Sutton and Dr. McCormick presented a revised draft. The motion to approve the proposal passed with the following vote:

Yes: Dr. Addison, Ms. Gillette, Dr. Hanner, Ms. Mapes, Dr. T. Mason, Dr. McCormick, Dr. Obia, Dr. Owen, Dr. Sutton, Dr. Wohlstein.

No: Dr. Bock, Mr. Brinkmeyer.

This action approves the following to become effective Fall 1999:

FURTHER CAA ACTIONS ON WRITING ACROSS THE CURRICULUM

1. The CAA will ask Chairs to submit lists of courses that they would wish to have CAA designate as "writing-intensive." These may be courses in General Education, the major, or other fields (It is not the intention of the CAA to place the entire burden of Writing Across the Curriculum upon those who offer and teach General Education courses.)
2. If a total list is generated that would make such an action feasible, the CAA would require six semester hours of writing intensive classes, beyond the two freshman writing-centered classes and the Senior Seminar, for graduation. One of these classes is to be an upper-division class. These classes may be from General Education, the major, or any other fields. Writing intensive classes would be listed in the catalog with the requirement.

V. 98-62 ART 3200, Digital Art I, New Course.

Dr. William Hubschmitt, Art Department, reported that the School of Technology had reviewed the course and determined that it does not overlap with their courses. Chair Addison received a phone call that reaffirmed the School of Technology's support of this course. The motion to approve the new course passed unanimously.

This action approves the following to become effective Fall 1999:

**ART 3200, Digital Art I. (3-3-3) On Demand.** DIGITAL ART I. An introduction to the concepts, principles and techniques related to the use of computers and digital technology as a visual arts medium, and as a means toward creative self expression. Prerequisites: ART 2500, ART 1000 and ART 1110 (or equivalent) and permission of instructor.

VI. 98-74 Admission Requirements for Psychology Majors, New Proposal.

Dr. Keith Wilson, Psychology, presented the proposal and answered questions of the Council. This proposal is designed to strengthen the program by attracting high quality students. Concerns were expressed as to how students will learn about the new requirements, and as to how the Academic Advising and Learning Assistance Center will accommodate the resultant increased demand for its services. The motion to approve the admission requirements passed with the following vote:

Yes: Dr. Bock, Mr. Brinkmeyer, Ms. Mapes, Dr. T. Mason, Dr. McCormick, Dr. Sutton.

No: Ms. Gillette, Dr. Hanner, Dr. Obia, Dr. Owen, Dr. Wohlstein.

Abstain: Dr. Addison.

This action approves the following to become effective Fall 1999:

Criteria for admission to the Psychology major:

1. Completion of MAT 1271 (or equivalent) with a grade of C or better;
2. Completion of PSY 1879 (or equivalent) with a grade of C or better;
3. Completion of two Psychology courses from Groups A, B, C or D in the current Psychology Curriculum with grades of C or better.

Limits for Undeclared Majors: Undergraduates without a declared major will be limited to no more than 12 hours in psychology (psychology courses retaken for credit will not be counted toward this limit).

Dr. McCormick exited at this point.

- VII. 98-63 BIO 3300, General Microbiology, Revised Course.  
98-62 BIO 3450, Independent Study, Revised Course.  
98-65 BIO 3451, Undergraduate Research, Revised Course.  
98-66 BIO 3610, Survey of Algae and Fungi, Revised Course.  
98-67 BIO 3612, Plant Morphology, Revised Course.  
98-68 BIO 3952, Invertebrate Natural History, New Course.  
98-69 BIO 4555, Honors Research, New Course.  
98-70 BIO 4800, Research Techniques, New Course.  
98-71 BIO 4818, Environmental Microbiology, Revised Course.  
98-72 BIO 4836, Pathogenic Microbiology, New Course.

Mr. Brinkmeyer moved and Dr. Obia seconded the motion to vote on items 98-63 through 98-72 collectively. The motion passed by consensus.

Dr. Kipp Kruse, Dr. Andrew Methven, Dr. Robert Fischer, Dr. Steven Daniel, Biological Sciences, presented the proposals and answered questions of the Council. Other members of the Biological Sciences Department answered questions throughout the discussion. The motion to approve these course proposals passed unanimously.

This action approves the following to become effective Fall 1999 (The approval of BIO 4800, 4818, and 4836 is contingent on CGS approval.):

**BIO 3300, General Microbiology. (2-4-4) F, S. GEN MICRO.** An introduction to the biology of prokaryotic and eukaryotic microorganisms. Emphasis is placed on bacteria and their chemical composition and structure, classification, growth, physiology, genetics, diversity, pathogenicity, ecology, and economic importance. The laboratory will include principles and techniques for the isolation, cultivation, enumeration, and characterization of microorganisms. Prerequisites: BIO 1100, 1200C, and 1300C or equivalent. (This course replaces BOT 3300.)

**BIO 3450, Independent Study. (Arr.-Arr.-1-3) On Demand. INDEPEND STUDY.** Individual study on a topic in biology selected by the student under the supervision of an instructor. Prerequisites: BIO 1100, 1200C, 1300C and permission of the department chairperson and instructor. May be repeated for credit to a maximum of three semester hours. This course is not intended for students who wish to complete a research project.

**BIO 3451, Undergraduate Research. (Arr.-Arr.-1-3) On Demand. UNDERGRAD RESRCH.** Original research in biological sciences conducted in consultation with a faculty mentor. Students will conduct a research project using current scientific protocols. Hypothesis formation, bench work, data collection/analysis become the responsibility of each student. Written report required. May be repeated for credit to a maximum of three semester hours. Prerequisites: Sophomore standing and approval of advisor and the department chairperson.

**BIO 3610, Survey of Algae and Fungi. (2-3-3) ALGAE/FUNGI.** The morphology, systematics, ecological importance and evolutionary history of the algae and fungi. Prerequisite: BIO 1200C. (This course replaces BOT 3100.)

**BIO 3612, Plant Morphology. (2-3-3) F, S. PLANT MORPH.** The morphology, anatomy, life cycles, and evolutionary history of plants, including bryophytes, ferns and fern allies, gymnosperms, and angiosperms. Prerequisite: BIO 1200C. (This course replaces BOT 3200.)

**BIO 3952, Invertebrate Natural History (2-3-3) F. INVERT NAT HIST.** Natural history, including distribution and habitat utilization; reproduction, behavior, and life histories; identification, classification and evolution of terrestrial and aquatic invertebrates. Emphasis on major groups in the Midwest. Prerequisite: BIO 1300C.

**BIO 4555, Honors Research. (Arr.-Arr.-1-3). HONORS RESEARCH.** Original experimental or theoretical research in biological sciences conducted in consultation with a faculty mentor. Students will conduct a research project using current scientific protocols. Prerequisites: Admission to the departmental Honors Program and permission of the Department Honors coordinator. May be taken twice for credit up to six semester hours.

**BIO 4800, Research Techniques. (2-0-2) F, S. RESEARCH TECH.** The principles of biological research, including review of the literature, bibliographic databases, and effective presentation of research results. (This course replaces BOT 4601, 4602, and 5100.)

Effective Spring 2000:

**BIO 4818, Environmental Microbiology. (2-4-4) S-even-numbered-years. ENVIRON MICRO.** An introduction to the principles, applications, and methodologies of environmental microbiology with emphasis on microbial interactions with animals and plants, on the microbiology of air, water, sewage, and soils, and on the role of microorganisms in biogeochemical cycling. The use of microorganisms in the bioremediation of environmental pollutants and in the recovery and enhancement of environmental resources will also be considered. Prerequisite: BIO 3300 or equivalent. (This course deletes BOT 5342.)

Effective Spring 2001:

**BIO 4836, Pathogenic Microbiology. (2-4-4) S-odd-numbered years. PATH MICRO.** An introduction to the role and activities of pathogenic microorganisms in the diseases of humans, animals, and plants with emphasis on the history, classification, morphology, nutrition and growth, metabolism, genetics, and virulence factors of disease-causing prokaryotes as well as the epidemiology, diagnosis, treatment, and prevention of the diseases they cause. The laboratory will emphasize clinical techniques required for the isolation, cultivation, and identification of pathogenic microorganisms. Prerequisite: BIO 3300 or equivalent.

VIII. 98-73 Biological Sciences Major (B.S.), New Program.

Dr. Kipp Kruse, Dr. Andrew Methven, Dr. Robert Fischer, Dr. Steven Daniel, Biological Sciences, presented the proposal and answered questions of the Council. Other members of the Biological Sciences Department answered questions throughout the discussion. Dr. Kruse gave a brief statement at the beginning of the discussion listing possible positive outcomes of this program, including the broader preparation of students. Concerns were voiced as to the visibility of concentrations and their potential impact on employment. The motion to approve the new program (pending IBHE approval) passed with the following vote:

Yes: Dr. Addison, Dr. Bock, Ms. Gillette, Dr. Hanner, Ms. Mapes, Dr. T. Mason, Dr. Obia, Dr. Owen, Dr. Sutton, Dr. Wohlstein.

No: Mr. Brinkmeyer.

This action approves the following to become effective Fall 1999 (pending IBHE approval):

**BIOLOGICAL SCIENCES (B.S.)**

**Biological Sciences**

Biological Sciences 1100, 1200C, 1300C, 3200, 3800, 4984.....	23 sem. hrs.
Chemistry 1310, 1315, (1410C,1415C) or (1510C, 1515C) 2430, 2435.....	13 sem. hrs.
Mathematics 1441C.....	5 sem. hrs.
Physics 1151, 1152, 1161C, 1162C.....	8 sem. hrs.
Biological Sciences 4750 or Mathematics 2250C.....	3-4 sem. hrs.
Concentration in Biology, Botanical Sciences, Ecology and Systematics, or Cell and Functional Biology.....	30 sem. hrs.
TOTAL.....	82-83 sem. hrs.

**Biology**

*Coursework in the following areas:*

BIO 3510 or BIO 3520 and 26 sh of coursework in the Biological Sciences (with the exception of BIO 3400, workshops, and courses designed for the integrated core except BIO 3002C) or Mathematics or Physical Sciences courses above 2000 (with the exception of integrated core and CHM 2310). A minimum of 20 sh must be taken in the Biological Sciences.

**Botanical Sciences**

*Coursework in the following areas:*

BIO 3300, BIO 3510, Bio 3610, BIO 3612, BIO 3614, BIO 4948 and 10 sh of course work from the following: BIO 2320, 2322, 3312, 3322, 3450, 3451, 4400, 4800, 4810, 4892, 4940, 4942, 4944, 4946, 4960, 4962.

#### Ecology and Systematics:

*Coursework in the following areas:*

BIO 3510 OR BIO 3520 and 26 sh of course work from the following:

BIO 3300, 3322, 3450, 3451, 3700, 3720, 3810, 3950, 3952, 4400, 4800, 4810, 4812, 4814, 4816, 4818, 4832, 4940, 4942, 4944, 4946, 4948, 4950, 4952, 4954, 4956.

#### Cell and Functional Biology:

*Coursework in the following areas:*

CHM 3450, BIO 3100, BIO 3300, BIO 3510<sup>1</sup> or BIO 3520<sup>1</sup>, BIO 2200<sup>2</sup> or BIO 3614<sup>2</sup> or BIO 3620<sup>2</sup> or BIO 3622<sup>2</sup> and 12 sh of coursework from the following: BIO 2200, 3210, 3450, 3451, 3510, 3520, 3614, 3620, 3622, 3624, 4400, 4800, 4820, 4830, 4832, 4834, 4836, CHM 4760, 4765, 4790, 4860.

<sup>1</sup> One course is required in concentration; the other may be used as an elective

<sup>2</sup> One course is required in concentration; the others may be used as an elective

(Major GPA based on all biological sciences courses taken at Eastern Illinois University)

#### Option: Environmental Biology

Biological Sciences 1010, 1200C, 1300C, 3002C, 3200, 3510 or 3520, 3800, 4275, 4984.....	42 sem. hrs.
Chemistry 1310, 1315, (1410C, 1415C) or (1510C, 1515C) 2430, 2435.....	13 sem. hrs.
Mathematics 1441C.....	5 sem. hrs.
Biological Sciences 4750 or Mathematics 2250C.....	3-4 sem. hrs.
Political Science 3763.....	3 sem. hrs.
Economics 2800C.....	3 sem. hrs.
Earth Science/Geology 1300C or Earth Science 1400C.....	3-4 sem. hrs.
Electives: coursework from the following: .....	15 sem. hrs.
BIO 3300, 3322, 3450, 3451, 3700, 3720, 3810, 3950, 3952, 4400, 4800, 4810, 4812, 4814, 4816, 4818, 4832, 4940, 4942, 4944, 4946, 4948, 4950, 4952, 4954, 4956, ECN 3810, JOU/SPC 3920, GEL 4335, GEG 3780, 4890, ESC 3300, 3550, PSY 3001, LST 3600, 3860, 3900.	
TOTAL.....	87-89 sem. hrs.

(Major GPA based on all biological sciences courses taken at Eastern Illinois University)

#### Honors Program for Biological Sciences Majors

To be admitted to the Departmental Honors Program, students must have completed a minimum of 60 semester hours of coursework (including transfer credit) with a 3.50/4.00 cumulative grade point average. Students admitted to the program must maintain a cumulative grade point average of 3.50. Students dismissed from the program because their cumulative grade point average has fallen below 3.50 may petition for readmission. Students must raise their cumulative grade point average to 3.50 by the end of the term immediately following dismissal for reinstatement.

Biological Sciences 4444 - Honors Independent Study.....	1-6 sem. hrs.
Biological Sciences 4555 - Honors Research.....	1-6 sem. hrs.
Biological Sciences 4644 - Honors Thesis.....	3 sem. hrs.
Biological Sciences 4666 - Honors Seminar.....	1-2 sem. hrs.
TOTAL.....	12 sem. hrs.

Students must take at least three credit hours in Honors Thesis, nine additional credits in Biological Sciences Honors courses, and complete all other requirements for the major. Honors Thesis supervision will be undertaken by a faculty member approved by the Chair and the Departmental Honors Coordinator. Credits in honors courses will replace 12 credit hours of electives in the major.

**Minor in Biological Sciences**

Biological Sciences 1100, 1200C, 1300C .....	12 sem. hrs.
Electives in Biological Sciences <sup>1,2</sup> .....	9 sem. hrs.
TOTAL.....	21 sem. hrs.

<sup>1</sup> With the exception of BIO 3400, workshops, and courses designed for the integrated core (except BIO 3002C).

<sup>2</sup> A minimum of 6 sh must be at or above the 3000 level

The meeting adjourned at 4:00 p.m.

Sally Dolson, Recording Secretary.

All Council Minutes and Agenda are available on the Web at <http://www.eiu.edu/~eiucaa>.

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**ANNOUNCEMENT OF NEXT MEETING**

**November 12, 1998, 2 p.m.  
Arcola/Tuscola Room - MLK Union**

- Agenda: 98-45 Revision of the Academic Load Policy. (Postponed until more information is received.)
- 98-46 Revision of the Withdrawal Policy. (Postponed until more information is received.)
- 98-59 Review of General Education.

