

**UNIVERSITY SENATE AGENDA**  
**EBERLY AUDITORIUM**

February 2, 2016  
3:30 – 5:00 p.m.

**Approval of Order**

- A. Approval of minutes from November 3, 2015 Senate meeting
- B. Approval of current agenda items and order

**Reports and Announcements**

**Appendix**

**Page(s)**

- A. President Driscoll
- B. Provost Moerland
- C. Chairperson Piper
- D. Parliamentarian Smith-Sherwood
- E. Vice Chairperson Snead

**Standing Committee Reports**

**Chairperson**

A. Rules Committee	Korns	A	2-8
B. University-Wide Undergraduate Curriculum Committee	Sechrist/Lewis	B	9-15
C. University-Wide Graduate Committee	Moore/Frenzel	C	16-19
D. Library and Educational Services Committee	Ford		
E. Research Committee	Gossett	D	20
F. Student Affairs Committee	Stocker		
G. University Development and Finance Committee	Wick		
H. Academic Affairs Committee	Dugan/ Witthöft		
I. Awards Committee	Lipinski		
J. Noncredit Committee	O'Neil		

**Senate Representative Reports**

**Representative**

A. University Planning Council	Stocker
B. Presidential Athletic Advisory Council	Castle
C. Academic Computing Policy Advisory Committee	McLaughlin
D. University Budget Advisory Committee	Soni

**New Business**

**Adjournment**

**Appendix A  
Rules Committee  
Chair Korns**

**FOR ACTION:**

**Senate Bylaws Change Request**

**Proposal:** Amend Bylaws V. C and V. D regarding inconsistencies in the language between the University-Wide Undergraduate Curriculum Committee and University Wide Graduate Committee.

**Rationale:** There were numerous inconsistencies in language in the bylaws for these committees. This amendment will make language consistent where it is appropriate to do so. Also, membership for the UWUCC is revised to remove the president of APSCUF as an ex-officio member. This was not the intent in the original language but instead for the president of APSCUF to appoint a co-chair to the committee, as stated in the membership for the UWGC.

***Current Bylaw:***

C. University-Wide Undergraduate Curriculum Committee

1. Function: The area of responsibility of the committee shall be degree requirements and all matters relating to undergraduate programs and curricula except as herein after relegated to the charge of another committee.
  - a. During the UWUCC's deliberations on curricular proposals, the APSCUF-appointed co-chair shall be responsible for informing the UWUCC of any CBA compliance problems identified by APSCUF.
  - b. The APSCUF co-chair of the UWUCC is responsible for communicating APSCUF's position(s) on curricular matters to the University Senate.
  - c. The committee shall present its curricular recommendations to the University Senate.
  - d. Any senator may request the chair of the University Senate, in consultation with the attending chair(s) of the committee and/or representatives of the originating department, to rule whether a change proposed on the floor is substantive. If substantive changes are made on the University Senate floor, the proposal shall return to the originator for possible re-submission.
2. Membership:
  - a. Ex officio: The provost and vice president for Academic Affairs, and the president of APSCUF or her/his designee from the FACULTY. The APSCUF co-chair of the UWUCC is responsible for communicating APSCUF's position(s) on curricular matters to the University Senate.
  - b. Elected: Twelve members shall be elected by and from the FACULTY in university-wide elections. FACULTY members elected to the UWUCC shall be automatically elected to the at-large portion of the faculty segment of the University Senate. A committee member who resigns from the UWUCC shall at the same time relinquish her/his at-large seat in the University Senate. A

FACULTY member elected to the University-Wide Undergraduate Curriculum Committee who is also elected as a department representative to the University Senate, shall notify the chair of the Rules Committee immediately, who will then fill the at-large vacancy from the list of alternates. If a department representative resigns or is removed from the UWUCC during a term of office, the seat will be filled from the University Senate by the next highest vote recipient in the UWUCC election who is available to serve. If no vote recipient for the UWUCC is available to serve, the seat will remain vacant until the next regular University Senate election. If two or more seats are vacant on either or both of the UWGC or the UWUCC, or if any academic college lacks representation, a special election shall be scheduled to fill the vacant seats from the University Senate.

- c. Three students shall be appointed by and from the Student Government Association.
  - d. Each academic college shall have FACULTY representation on this committee.
  - e. No more than one FACULTY member from the same department may serve on this committee.
  - f. No more than four FACULTY members of any individual college or unit may serve on this committee.
3. Officers:
- a. Co-chairs shall be named from the FACULTY. The president of APSCUF or his/her designee shall serve as one of the co-chairs. Upon appointment, the APSCUF-designated co-chair shall be automatically elected to the at-large portion of the faculty segment. If the APSCUF president or designated co-chair resigns as committee co-chair, at the same time, he/she shall relinquish his/her at-large seat in the University Senate. The APSCUF-designated co-chair cannot serve as a department representative. The other co-chair shall be elected by the committee from its membership.
  - b. The secretary shall be elected by the committee from its membership.
4. Meetings: All regular meetings of the committee shall be open.

***Proposed Bylaw:***

**C. University-Wide Undergraduate Curriculum Committee**

1. Function: The area of responsibility of the committee shall be degree requirements and all matters relating to undergraduate programs and curricula except as herein after relegated to the charge of another committee.
  - a. During the UWUCC's deliberations on curricular proposals, the APSCUF-appointed co-chair shall be responsible for informing the UWUCC of any CBA compliance problems identified by APSCUF.
  - b. The APSCUF appointed co-chair of the UWUCC is responsible for communicating APSCUF's position(s) on curricular matters to the University Senate.
  - c. The committee shall present its curricular recommendations to the University Senate.
  - d. Any senator may request the chair of the University Senate, in consultation with the attending chair(s) of the committee and/or representatives of the originating department, to rule whether a change proposed on the floor is substantive. If

substantive changes are made on the University Senate floor, the proposal shall return to the originator for possible resubmission.

2. Membership:
  - g. Ex officio: The provost and vice president for Academic Affairs, or her/his designee.
  - h. Elected: Twelve members shall be elected by and from the FACULTY in university-wide elections. FACULTY members elected to the UWUCC shall be automatically elected to the at-large portion of the faculty segment of the University Senate. A committee member who resigns from the UWUCC shall at the same time relinquish her/his at-large seat in the University Senate. A FACULTY member elected to the University-Wide Undergraduate Curriculum Committee who is also elected as a department representative to the University Senate, shall notify the chair of the Rules Committee immediately, who will then fill the at-large vacancy from the list of alternates. If a department representative resigns or is removed from the UWUCC during a term of office, the seat will be filled from the University Senate by the next highest vote recipient in the UWUCC election who is available to serve. If no vote recipient for the UWUCC is available to serve, the seat will remain vacant until the next regular University Senate election. If two or more seats are vacant on either or both of the UWGC or the UWUCC, or if any academic college lacks representation, a special election shall be scheduled to fill the vacant seats from the University Senate.
  - i. Three undergraduate students appointed by and from the Student Government Association.
  - j. Each academic college shall have FACULTY representation on this committee.
  - k. No more than one FACULTY member from the same department may serve on this committee.
  - l. No more than four FACULTY members of any individual college or unit may serve on this committee.
3. Officers:
  - b. Co-chairs shall be named from the FACULTY. The president of APSCUF or his/her designee shall serve as one of the co-chairs. Upon appointment, the APSCUF-designated co-chair shall be automatically elected to the at-large portion of the faculty segment of the University Senate. If the APSCUF president or designated co-chair resigns as committee co-chair, at the same time, she/he shall relinquish her/his at-large seat in the University Senate. The APSCUF-designated co-chair cannot serve as a department representative. The other co-chair shall be elected by the committee from its membership.
  - b. The secretary shall be elected by the committee from its membership.
4. Meetings: All regular meetings of the committee shall be open.

***Current Bylaw:***

**D. University-Wide Graduate Committee**

1. Function: The area of responsibility of the committee shall be degree requirements, all matters relating to graduate curricula, general policies for admission, scholarships, assistantships, and other matters pertaining to the graduate students and the School of Graduate Studies and Research.

- a. During the UWGC's deliberations on curricular proposals, the APSCUF-appointed co-chair shall be responsible for informing the UWGC of any CBA compliance problems identified by APSCUF. The APSCUF-appointed co-chair of the UWGC is responsible for communicating APSCUF's position(s) on curricular matters to the University Senate. On non-curricular matters that come before the UWGC, the APSCUF-appointed co-chair shall participate simply as a committee member and shall not chair or direct the deliberations.
  - b. The committee shall present its curricular recommendations to the University Senate.
  - c. Any senator may request the chair of the University Senate, in consultation with the attending chair(s) of the committee and/or representatives of the originating department, to rule whether a suggested change is substantive. If substantive changes to curricular proposals are made on the University Senate floor, the proposal shall return to the originator for possible resubmission.
2. Membership:
- a. Ex officio: The dean of the School of Graduate Studies and Research or his or her designee.
  - b. Elected: Twelve members shall be elected by and from the FACULTY in university-wide elections. FACULTY members elected to the University-Wide Graduate Committee shall be automatically elected to the at-large portion of the faculty segment. A committee member who resigns from the UWGC shall at the same time relinquish his/her at-large seat in the University Senate. A FACULTY member elected to the University-Wide Graduate Committee who is also elected as a department representative to the Senate, shall notify the chair of the Rules Committee immediately, who will then fill the at-large vacancy from the list of alternates. If a department representative resigns or is removed from the UWGC during a term of office, the seat will be filled from the University Senate by the next highest vote recipient in the UWGC election who is available to serve. If no vote recipient for the UWGC is available to serve, the seat will remain vacant until the next regular University Senate election. If two or more seats are vacant on either or both of the UWGC or the UWUCC, or if any academic college lacks UWUCC or UWGC representation, a special election shall be scheduled to fill the vacant seats from the University Senate.
  - c. Three graduate students appointed by and from the Graduate Student Assembly.
  - d. Each academic college that has a graduate program shall have FACULTY representation on this committee.
  - e. No more than one FACULTY member of a department may serve on the committee.
  - f. No more than four members of any individual college or unit may serve on the committee.
3. Officers:
- a. Chairs shall be named from the FACULTY. The president of APSCUF or her/his designee shall serve as one of the co-chairs. Upon appointment, the APSCUF-designated co-chair shall be automatically elected to the at-large portion of the faculty segment. If the APSCUF president or designated co-chair resigns as committee co-chair, at the same time, she/he shall relinquish her/his at-large seat in the University Senate. The APSCUF-designated co-chair cannot serve as a department representative. The other co-chair shall be elected by the committee from its membership.

- b. The secretary shall be elected by the committee from its membership
- 4. Meetings: All regular meetings of the committee shall be open.

***Proposed Bylaw:***

**D. University-Wide Graduate Committee**

- 1. Function: The area of responsibility of the committee shall be degree requirements, all matters relating to graduate curricula, general policies for admission, scholarships, assistantships, and other matters pertaining to the graduate students and the School of Graduate Studies and Research.
  - a. During the UWGC's deliberations on curricular proposals, the APSCUF-appointed co-chair shall be responsible for informing the UWGC of any CBA compliance problems identified by APSCUF.
  - b. The APSCUF-appointed co-chair of the UWGC is responsible for communicating APSCUF's position(s) on curricular matters to the University Senate. On non-curricular matters that come before the UWGC, the APSCUF-appointed co-chair shall participate simply as a committee member and shall not chair or direct the deliberations.
  - c. The committee shall present its curricular recommendations to the University Senate.
  - d. Any senator may request the chair of the University Senate, in consultation with the attending chair(s) of the committee and/or representatives of the originating department, to rule whether a suggested change is substantive. If substantive changes to curricular proposals are made on the University Senate floor, the proposal shall return to the originator for possible resubmission.
- 2. Membership:
  - a. Ex officio: The dean of the School of Graduate Studies and Research or her/his designee.
  - b. Elected: Twelve members shall be elected by and from the FACULTY in university-wide elections. FACULTY members elected to the University-Wide Graduate Committee shall be automatically elected to the at-large portion of the faculty segment of the University Senate. A committee member who resigns from the UWGC shall at the same time relinquish his/her at-large seat in the University Senate. A FACULTY member elected to the University-Wide Graduate Committee who is also elected as a department representative to the University Senate, shall notify the chair of the Rules Committee immediately, who will then fill the at-large vacancy from the list of alternates. If a department representative resigns or is removed from the UWGC during a term of office, the seat will be filled from the University Senate by the next highest vote recipient in the UWGC election who is available to serve. If no vote recipient for the UWGC is available to serve, the seat will remain vacant until the next regular University Senate election. If two or more seats are vacant on either or both of the UWGC or the UWUCC, or if any academic college lacks UWUCC or UWGC representation, a special election shall be scheduled to fill the vacant seats from the University Senate.
  - c. Three graduate students appointed by and from the Graduate Student Assembly.

- d. Each academic college that has a graduate program shall have FACULTY representation on this committee.
  - e. No more than one FACULTY member from the same department may serve on this committee.
  - f. No more than four FACULTY members of any individual college or unit may serve on this committee.
3. Officers:
- a. Co-Chairs shall be named from the FACULTY. The president of APSCUF or her/his designee shall serve as one of the co-chairs. Upon appointment, the APSCUF-designated co-chair shall be automatically elected to the at-large portion of the faculty segment of the University Senate. If the APSCUF president or designated co-chair resigns as committee co-chair, at the same time, she/he shall relinquish her/his at-large seat in the University Senate. The APSCUF-designated co-chair cannot serve as a department representative. The other co-chair shall be elected by the committee from its membership.
  - b. The secretary shall be elected by the committee from its membership.
4. Meetings: All regular meetings of the committee shall be open.

**Proposal:** Amend Bylaw V. J.

**Rationale:** Some functions of the Office of Extended Studies are related to non-credit instruction and it was determined the director of the Office of Extended Studies was the appropriate position to serve as an ex-officio member of the Non-credit Instruction Committee.

***Current Bylaw:***

J. Non-credit Instruction Committee

- 1. Functions: The committee shall oversee non-credit instruction and activities sponsored by the university. The committee shall advise administrators and administrative offices responsible for non-credit instruction and activities. The committee shall formulate policy recommendations in the areas related to non-credit instruction and activities including non-credit short courses, workshops, conferences, training, etc.
- 2. Membership:
  - a. Ex officio: The associate vice president for Enrollment Management.
  - b. Elected: Four faculty members and one additional administrator/manager shall be elected by and from the University Senate. There shall be no student members on the committee.
  - c. One staff member may be elected.
- 3. Officers: chair, vice chair, and secretary shall be elected by the committee from its membership.
- 4. Meetings: All regular meetings of the committee shall be open.

***Proposed Bylaw:***

J. Non-credit Instruction Committee

1. Functions: The committee shall oversee non-credit instruction and activities sponsored by the university. The committee shall advise administrators and administrative offices responsible for non-credit instruction and activities. The committee shall formulate policy recommendations in the areas related to non-credit instruction and activities including non-credit short courses, workshops, conferences, training, etc.
2. Membership:
  - a. Ex officio: The director of the Office of Extended Studies.
  - b. Elected: Four faculty members and one additional administrator/manager shall be elected by and from the University Senate. There shall be no student members on the committee.
  - c. One staff member may be elected.
3. Officers: chair, vice chair, and secretary shall be elected by the committee from its membership.
4. Meetings: All regular meetings of the committee shall be open.



**Appendix B**  
**University-Wide Undergraduate Curriculum Committee**  
**Co-Chairs Sechrist and Lewis**

**FOR INFORMATION:**

The following courses were approved by the UWUCC to be offered as distance education courses:

Note that the provost is the final signature on these proposals.

- **FSMR 456 Historic Costume**
- **GEOS 150 Geology of the National Parks**

**FOR ACTION:**

**1. Departments of Communication Disorders, Special Education, and Disability Services Professional Studies in Education—Course Credit Hour Changes**

**a. Current Catalog Descriptions:**

**EDUC 461 Student Teaching** **5c-01-6cr**  
**Prerequisites:** Admission to student teaching, successful completion of Teacher Education Step 2  
An experience in teaching students with special needs at the preK to grade 8 level; coordination and visitation by a university faculty member with daily supervision by a cooperating teacher.

**EDUC 471 Student Teaching** **5c-01-6cr**  
**Prerequisites:** Admission to student teaching, successful completion of Teacher Education Step 2  
An experience in teaching students with special needs at the preK to grade 8 level; coordination and visitation by a university faculty member with daily supervision by a cooperating teacher.

**Proposed Catalog Descriptions:**

**EDUC 461 Student Teaching** **6c-01-6cr**  
**Prerequisites:** Admission to student teaching, successful completion of Teacher Education Step 2  
An experience in teaching students with special needs at the preK to grade 8 level; coordination and visitation by a university faculty member with daily supervision by a cooperating teacher.

**EDUC 471 Student Teaching** **6c-01-6cr**

**Prerequisites:** Admission to student teaching, successful completion of Teacher Education Step 2

An experience in teaching students with special needs at the preK to grade 8 level; coordination and visitation by a university faculty member with daily supervision by a cooperating teacher.

**Rationale:** Upon analysis of our rubric data, with the focus toward on-going program improvement and feedback from our accrediting agencies, NAEYC and CEC; we need to provide additional time in field experiences for students in our program. We are proposing to increase credits for EDUC 461 Student Teaching as part of the Program Revision approved by Senate on March 31, 2015. **Note:** Because the course credit revision proposals were not submitted last spring along with the program revision proposal the catalog editor increased the credits, but not the class hours in the 2015-16 catalog.

## 2. Department of Human Development and Environmental Studies—Course Revision

### Current Catalog Description:

**FSMR 456 Historic Costume** **3c-01-3cr**  
A chronological study of historic costume from ancient times to the present day with emphasis on the effect of aesthetic, economic, geographic, political, religious, and social factors on the design of clothing worn.

### Proposed Catalog Description:

**FSMR 456 Historic Costume** **3c-01-3cr**  
**Prerequisite:** Junior Standing  
A chronological study of historic costume from ancient times to the present day with emphasis on the effect of aesthetic, economic, geographic, political, religious, and social factors on the design of clothing worn.

**Rationale:** FSMR 456 has no prerequisites despite its 400-level designation. Junior standing as a prerequisite is more appropriate in order to ensure a higher student maturity level. Historic Costume is a content-heavy history course that may overwhelm younger students.

## 3. Department of Biology—Program Revisions

### a. Current Program:

#### Bachelor of Science—Biology/Pre-medical Track

**Liberal Studies:** As outlined in Liberal Studies section 45 with the following specifications:  
**Mathematics:** MATH 121  
**Natural Science:** CHEM 111-112 or CHEM 113-114  
**Social Science:** PSYC 101, SOC 151  
**Liberal Studies Electives:** 3cr, no courses with BIOL prefix

### Proposed Program:

#### Bachelor of Science—Biology/Pre-medical Track

**Liberal Studies:** As outlined in Liberal Studies section 45 with the following specifications:  
**Mathematics:** MATH 121  
**Natural Science:** CHEM 101-102 or CHEM 113-114  
**Social Science:** PSYC 101, SOC 151  
**Liberal Studies Electives:** 3cr, no courses with BIOL prefix.

<b>Major:</b>	37	<b>Major:</b>	37
<b>Required Core Courses:</b>		<b>Required Core Courses:</b>	
BIOL 201 Principles of Ecology and Evolution	4cr	BIOL 201 Principles of Ecology and Evolution	4cr
BIOL 202 Principles of Cell and Molecular Biology	4cr	BIOL 202 Principles of Cell and Molecular Biology	4cr
BIOL 203 Principles of Genetics and Development	4cr	BIOL 203 Principles of Genetics and Development	4cr
<b>Required Biology Courses:</b>		<b>Required Biology Courses:</b>	
BIOL 220 General Zoology	3cr	BIOL 240 Human Physiology	4cr
BIOL 250 Principles of Microbiology	4cr	BIOL 250 Principles of Microbiology	4cr
BIOL 331 Animal Developmental Biology	3cr	BIOL 331 Animal Developmental Biology	3cr
BIOL 352 Comparative Animal Physiology	3cr	BIOL 402 Advanced Human Anatomy	4cr
BIOL 402 Advanced Human Anatomy	4cr	<b>Controlled Biology Electives: (1)</b>	10cr
<b>Controlled Biology Electives: (1)</b>	8cr	BIOL 200, 210, 221, 242, 271, 310, 323, 352, 364, 401, 405, 410, 460, 466, 475, 477, 481, 482, 483, 484, 491, 493, 499, or other biology major courses by permission of advisor and department chairperson.	
BIOL 240, 210, 221, 242, 271, 310, 323, 363, 364, 401, 405, 410, 460, 466, 475, 477, 481, 482, 483, 484, 491, 493, 499, or other biology major courses by permission of advisor and department chairperson.			
<b>Ancillary Science Requirements:</b>	23	<b>Ancillary Science Requirements:</b>	23
CHEM 231 Organic Chemistry I	4cr	CHEM 231 Organic Chemistry I	4cr
CHEM 232 Organic Chemistry II	4cr	CHEM 232 Organic Chemistry II	4cr
CHEM 351 Biochemistry	4cr	CHEM 351 Biochemistry	4cr
MATH 216 Probability and Statistics for Natural Sciences	4cr	MATH 216 Probability and Statistics for Natural Sciences	3cr
<i>or</i> 217 Probability and Statistics		<i>or</i> 217 Probability and Statistics	3cr
PHYS 111 Physics I Lecture	3cr	PHYS 111 Physics I Lecture	3cr
PHYS 121 Physics I Lab	3cr	PHYS 121 Physics I Lab	1cr
PHYS 112 Physics II Lecture	1cr	PHYS 112 Physics II Lecture	3cr
PHYS 122 Physics II Lab	3cr	PHYS 122 Physics II Lab	1cr
	1cr	<b>Other Requirements: (2)</b>	0-6
<b>Other Requirements: (2)</b>	0-6	Foreign Language Intermediate Level	0-6cr
Foreign Language Intermediate Level	0-6cr	Exit survey for assessment purposes	
Exit survey for assessment purposes			
<b>Free Electives:</b>	9-15	<b>Free Electives:</b>	9-15
<b>Total Degree Requirements:</b>	120	<b>Total Degree Requirements:</b>	120

- (1) No more than 6cr total from Independent Study, Special Topics, or Internship applies to major; excess applied as free electives.
- (2) (a) Two courses in one language, including the placement course; or (b) intermediate level. In lieu of a foreign language, students may elect to take a sequence of two courses in either computer science, exclusive of COSC 101 (COSC 110 and 210 recommended), or two courses in geography/regional planning (from the following: GEOG/RGPL 213, 314, 316, 415, 417).

- (1) No more than 6cr total from Independent Study, Special Topics, or Internship applies to major; excess applied as free electives.
- (2) (a) Two courses in one language, including the placement course; or (b) intermediate level. In lieu of a foreign language, students may elect to take a sequence of two courses in either computer science, exclusive of COSC 101 (COSC 110 and 210 recommended), or two courses in geography/regional planning (from the following: GEOG/RGPL 213, 314, 316, 415, 417).

**Rationale:** Last year the Biology Department increased the number of credits for BIOL 250 from 3 credits to 4 credits. This change to BIOL 250 resulted in the reduction of the number of controlled biology electives from 9 credits to 8 credits. We are proposing to readjust our Required Biology Courses and our Controlled Biology Electives for Biology/Pre-Medical Track students. These changes will allow us to provide courses that are more relevant to the content that students are expected to know for the Medical College Admission Test (MCAT). Specifically, BIOL 220 and 352 were moved to controlled electives as their content is not as relevant to the Biology/Pre-Medical Track as the other Required Biology Courses. BIOL 240 was included as a Required Biology Course since the course content is directly applicable to the Pre-medical Track. These curriculum changes result in the Required Biology Course credits dropping from 17 credits to 15 credits. These credits were moved to the Biology Controlled Electives, which will allow students to broaden their background in the biological sciences.

All Biology/Pre-Medical students will still be required to complete the Biology Required Courses that include BIOL 201, BIOL 202 and BIOL 203.

**b. Current Program:**

**Bachelor of Science—Biology/Pre-veterinary Track**

**Liberal Studies:** As outlined in Liberal Studies section with the following specifications: 45  
**Mathematics:** MATH 121  
**Natural Science:** CHEM 111-112 or CHEM 113-114  
**Social Science:** PSYC 101  
**Liberal Studies Electives:** 3cr, no courses with BIOL prefix

**Major:** 37

**Required Core Courses:**  
 BIOL 201 Principles of Ecology and Evolution 4cr  
 BIOL 202 Principles of Cell and Molecular Biology 4cr  
 BIOL 203 Principles of Genetics and Development 4cr

**Required Biology Courses:**  
 BIOL 220 General Zoology 3cr  
 BIOL 242 Comparative Vertebrate Anatomy 4cr  
 BIOL 250 Principles of Microbiology 4cr  
 BIOL 331 Animal Developmental Biology 3cr  
 BIOL 352 Comparative Animal Physiology 3cr

**Controlled Biology Electives: (1)** 8cr  
 BIOL 210, 221, 242, 271, 310, 323, 363, 364, 401, 405, 410, 460, 466, 475, 477, 481, 482, 483, 484, 491, 493, 499, or other biology major courses by permission of advisor and department chairperson.

**Ancillary Science Requirements:** 23

CHEM 231 Organic Chemistry I 4cr  
 CHEM 232 Organic Chemistry II 4cr  
 CHEM 351 Biochemistry 4cr  
 MATH 216 Probability and Statistics for Natural Sciences 3cr  
 or 217 Probability and Statistics 3cr  
 PHYS 111 Physics I Lecture 1cr  
 PHYS 121 Physics I Lab 3cr  
 PHYS 112 Physics II Lecture 1cr  
 PHYS 122 Physics II Lab 3cr

**Other Requirements: (2)** 0-6  
 Foreign Language Intermediate Level 0-6cr  
 Exit survey for assessment purposes

**Free Electives:** 10-16

**Total Degree Requirements:** 120

(1) No more than 6cr total from Independent Study, Special Topics, or Internship applies to major; excess applied as free electives.

(2) (a) Two courses in one language, including the placement course; or (b) intermediate level. In lieu of a foreign language, students may elect to take a sequence of two courses in either

**Proposed Program:**

**Bachelor of Science—Biology/Pre-veterinary Track**

**Liberal Studies:** As outlined in Liberal Studies section with the following specifications: 45  
**Mathematics:** MATH 121  
**Natural Science:** CHEM 101-102 or CHEM 113-114  
**Social Science:** PSYC 101  
**Liberal Studies Electives:** 3cr, no courses with BIOL prefix.

**Major:** 37

**Required Core Courses:**  
 BIOL 201 Principles of Ecology and Evolution 4cr  
 BIOL 202 Principles of Cell and Molecular Biology 4cr  
 BIOL 203 Principles of Genetics and Development 4cr

**Required Biology Courses:**  
 BIOL 220 General Zoology 3cr  
 BIOL 242 Comparative Vertebrate Anatomy 4cr  
 BIOL 250 Principles of Microbiology 3cr  
 BIOL 310 Applied Entomology and Zoonoses 3cr  
 BIOL 352 Comparative Animal Physiology 3cr

**Controlled Biology Electives: (1)** 9cr  
 BIOL 200, 210, 221, 242, 271, 323, 331, 352, 364, 401, 405, 410, 460, 466, 475, 477, 481, 482, 483, 484, 491, 493, 499, or other biology major courses by permission of advisor and department chairperson.

**Ancillary Science Requirements:** 23

CHEM 231 Organic Chemistry I 4cr  
 CHEM 232 Organic Chemistry II 4cr  
 CHEM 351 Biochemistry 4cr  
 MATH 216 Probability and Statistics for Natural Sciences 3cr  
 or 217 Probability and Statistics 3cr  
 PHYS 111 Physics I Lecture 1cr  
 PHYS 121 Physics I Lab 3cr  
 PHYS 112 Physics II Lecture 1cr  
 PHYS 122 Physics II Lab 3cr

**Other Requirements: (2)** 0-6  
 Foreign Language Intermediate Level 0-6cr  
 Exit survey for assessment purposes

**Free Electives:** 9-15

**Total Degree Requirements:** 120

(1) No more than 6cr total from Independent Study, Special Topics, or Internship applies to major; excess applied as free electives.

(2) (a) Two courses in one language, including the placement course; or (b) intermediate level. In lieu of a foreign language, students may elect to take a sequence of two courses in either

computer science, exclusive of COSC 101 (COSC 110 and 210 recommended), or two courses in geography/regional planning (from the following: GEOG/RGPL 213, 314, 316, 415, 417).

computer science, exclusive of COSC 101 (COSC 110 and 210 recommended), or two courses in geography/regional planning (from the following: GEOG/RGPL 213, 314, 316, 415, 417).

**Rationale:** Last year the Biology Department increased the number of credits for BIOL 250 from 3 credits to 4 credits. This change to BIOL 250 resulted in the reduction of the number of controlled biology electives from 9 credits to 8 credits. We are proposing to increase the controlled electives to 9 credits and to reduce the number of free electives from 10-16 credits currently to 9-15 credits. This will allow Biology Bachelor of Science – Pre-Veterinary students to better fulfill the second program learning outcome by broadening their background in the biological sciences. The proposed changes will also bring the degree requirements in the major to 60 credits, which fulfills state program requirements. In addition, we are proposing to remove and replace some of the Required Biology Courses. BIOL 310 is replacing BIOL 331 as veterinary students require more course content in the zoonotic spread of disease. All Biology/Pre-Veterinary students will still be required to complete the Biology Required Courses that include BIOL 201, 202 and 203.

### a. Current Program:

#### Bachelor of Science—Biology/Environmental Health Track

**Liberal Studies:** As outlined in Liberal Studies section with the following specifications: 45  
**Mathematics:** MATH 121  
**Natural Science:** CHEM 111-112 or CHEM 113-114  
**Social Science:** ECON 101, PSYC 101 or SOC 151  
**Liberal Studies Electives:** 3cr, BTED/COSC/IFMG 101, no courses with BIOL prefix

**Major:** 41

##### Required Core Courses:

BIOL 201 Principles of Ecology and Evolution 4cr  
 BIOL 202 Principles of Cell and Molecular Biology 4cr  
 BIOL 203 Principles of Genetics and Development 4cr

##### Required Biology Courses:

BIOL 210 Principles of Plant Biology 3cr  
 BIOL 220 General Zoology 3cr  
 BIOL 221 Environmental Health and Protection 4cr  
 BIOL 240 Human Physiology 4cr  
 BIOL 250 Principles of Microbiology 4cr  
 BIOL 323 Introduction to Toxicology and Risk Assessment 3cr  
 BIOL 460 Fundamentals of Environmental Epidemiology 3cr

##### Controlled Biology Electives: (1)

BIOL 262, 310, 363, 466, 476, 481, 482, 483, 484, 493 or other biology major courses by permission of advisor and department chairperson. 5cr

##### Other Science Requirements:

CHEM 231 Organic Chemistry I 4cr  
 CHEM 351 Biochemistry 4cr  
 MATH 216 Probability and Statistics for Natural Sciences  
     or 217 Probability and Statistics 3cr  
 PHYS 111 Physics I Lecture 3cr  
 PHYS 121 Physics I Lab 1cr

### Proposed Program:

#### Bachelor of Science—Biology/Environmental Health Track

**Liberal Studies:** As outlined in Liberal Studies section with the following specifications: 45  
**Mathematics:** MATH 121  
**Natural Science:** CHEM 101-102 or CHEM 113-114  
**Social Science:** ECON 101, PSYC 101 or SOC 151  
**Liberal Studies Electives:** 3cr, BTED/COSC/IFMG 101, no courses with BIOL prefix.

**Major:** 41

##### Required Core Courses:

BIOL 201 Principles of Ecology and Evolution 4cr  
 BIOL 202 Principles of Cell and Molecular Biology 4cr  
 BIOL 203 Principles of Genetics and Development 4cr

##### Required Biology Courses:

BIOL 220 General Zoology 3cr  
 BIOL 221 Environmental Health and Protection 4cr  
 BIOL 240 Human Physiology 4cr  
 BIOL 250 Principles of Microbiology 4cr  
 BIOL 323 Introduction to Toxicology and Risk Assessment 3cr  
 BIOL 460 Fundamentals of Environmental Epidemiology 3cr

##### Controlled Biology Electives: (1)

BIOL 310, 466, 481, 482, 483, 484, 493 or other biology major courses by permission of advisor and department chairperson. 8cr

##### Other Science Requirements:

CHEM 231 Organic Chemistry I 4cr  
 CHEM 351 Biochemistry 4cr  
 MATH 216 Probability and Statistics for Natural Sciences  
     or 217 Probability and Statistics 3cr  
 PHYS 111 Physics I Lecture 3cr  
 PHYS 121 Physics I Lab 3cr  
**Ancillary Science and Technical Electives: (2)** 1cr  
 CHEM 232, 325 4cr

<b>Ancillary Science and Technical Electives: (2)</b> CHEM 232, 323 GEOG/RGPL 415, 417, GEOG 419, 425 GEOS 201, 202, 312, 313 MATH 122 PHYS 112, 122 PSYC 290, 291, 315, 331, 341, 342 or 345, 350, 355, 356, 359, 372 SAFE 330, 430	4cr	GEOG/RGPL 415, 417, GEOG 419, 425 GEOS 201, 202, 312, 313 MATH 122 PHYS 112, 122 PSYC 290, 291, 315, 331, 341, 342 or 345, 350, 355, 356, 359, 372 SAFE 330, 430	
<b>Other Requirements:</b> Foreign Language Intermediate Level (3) Exit survey for assessment purposes	0-6 0-6cr	<b>Other Requirements:</b> Foreign Language Intermediate Level (3) Exit survey for assessment purposes	0-6 0-6cr
<b>Free Electives: (4)</b>	9-15	<b>Free Electives: (4)</b>	9-15
<b>Total Degree Requirements:</b>	120	<b>Total Degree Requirements:</b>	120

- |  |  |
|--|--|
| (1) No more than 6cr total from Independent Study, Special Topics, or Internship applies to major; excess applied as free electives.   | (1) No more than 6cr total from Independent Study, Special Topics, or Internship applies to major; excess applied as free electives.   |
| (2) Other appropriate major courses at 200 level and above (excluding Liberal Studies courses) in the above departments may be substituted with permission of the advisor and the Biology Department chairperson in advance of taking the course.  | (2) Other appropriate major courses at 200 level and above (excluding Liberal Studies courses) in the above departments may be substituted with permission of the advisor and the Biology Department chairperson in advance of taking the course.  |
| (3) (a) Two courses in one language, including the placement course; or (b) intermediate level. In lieu of a foreign language, students may elect to take a sequence of two courses in either computer science, exclusive of COSC 101 (COSC 110 and 210 recommended), or two courses in geography/regional planning (from the following: GEOG/RGPL 213, 314, 316, 415, 417). | (3) (a) Two courses in one language, including the placement course; or (b) intermediate level. In lieu of a foreign language, students may elect to take a sequence of two courses in either computer science, exclusive of COSC 101 (COSC 110 and 210 recommended), or two courses in geography/regional planning (from the following: GEOG/RGPL 213, 314, 316, 415, 417). |
| (4) Recommended free electives: MGMT 310; PLSC 250, 370; SAFE 101, 220.  | (4) Recommended free electives: MGMT 310; PLSC 250, 370; SAFE 101, 220.  |

**Rationale:** The proposed changes will add three extra credits to the Controlled Biology Electives that can be used by students towards an internship, independent study or an additional environmental health technical area course, thereby making the program more relevant to environmental health practice. Other programs will not be affected by the proposed changes. BIOL 240 and BIOL 250 will fulfill the graduation requirements of current students. Current students can immediately switch to the new curriculum and opt to not take BIOL 210, giving them additional credits for Controlled Biology Electives.

#### 4. Department of Information Systems and Decision Sciences—Course Revision, Course Title Change, and Catalog Description Change

##### Current Catalog Description:

##### **IFMG 455 Data Warehousing and Mining**

**3c-01-3cr**

**Prerequisites:** IFMG 390 or 261 or COSC 441, and MATH 214 or 216

Introduces the strategies, technologies, and techniques associated with this growing MIS specialty area. Composed of two main parts: (1) learn the basic methodology for planning, designing, building, using, and managing a data warehouse, and (2) learn how to use

different data mining techniques to derive information from the data warehouse for strategic and long-term business decision making.

**Proposed Catalog Description:**

**IFMG 455 Business Data Mining**

**3c-01-3cr**

**Prerequisites:** IFMG 390

Introduces the strategies, technologies, and techniques associated with this growing MIS specialty area. Consists of three main parts: (1) the basic methodology for designing, using, and managing a data warehouse, (2) integrating different sources of data using Non-relational Technologies, and (3) using different data mining techniques to derive information from data for strategic and long term business decision making.

**5. Liberal Studies Report:**

**The Liberal Studies Committee and the UWUCC approved the following:**

- JRNL 120 Journalistic Techniques, as a Type II Writing Re-Commitment, Department Commitment.
- JRNL 220 Writing for Print Media, as a Type II Writing Re-Commitment, Department Commitment.

**Appendix C**  
**University Wide Graduate Committee**  
**Chairs: Moore and Frenzel**

**1. COURSE REVISION**

**Proposing Department:** Kinesiology, Health and Sport Science

**Course:** HPED 602

**Rationale:**

HPED602 has been revised as part of MS in Sport Science program revision. The content has been updated to reflect the most recent information regards to Sport Psychology.

	Current Course Information	Proposed Course Information
Title	HPED 602 Sport Psychology	HPED 602 Sport Psychology
Description	The major goals of this course are to learn the psychological effects and implications of participation in sport, exercise and athletics.	Promotes an understanding of the concepts and applied principles of sport psychology and related psychosocial variables. Different principles from sport psychology literature will be applied to sport and physical activity participants.

**2. NEW COURSE**

**Department:** Anthropology

**Course:** ANTH 491/591

**Rationale:**

This course has been taught as one option in ANTH 484/584 Specialized Methods in Archaeology, but since it has been taught on a regular basis for more than a decade, it makes more sense for it to be a stand-alone course.

**Summary:**

Course	ANTH 491/591 Zooarchaeology
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Credits	3
Prerequisites	None
Catalog Description	Introduces the archaeological specialty of zooarchaeology, which is the study of human-animal interactions through the analysis of archaeological remains from archaeological sites. Explores the basics of vertebrate osteology through lectures and hands-on exercises as well as the nature of various types of zooarchaeological interpretation such as studies of hunting and butchering practices, dietary importance, seasonality, domestication, paleopathology and past environment.

### 3. NEW COURSE

**Department:** Anthropology

**Course:** ANTH 492/592

**Rationale:**

The proposed new course will expand the curriculum of both Anthropology and Geoscience. The area of soil science is a growing knowledge base important to both geoscientists and archaeologists in understanding relationship between human use of the land and issues of sustainability. The Department of Anthropology has the expertise to teach this course and it is supported by the Department of Geoscience.

**Summary:**

Course	ANTH 491/591 Soil Science: Archaeological and Geoenvironmental Applications
Credits	3
Prerequisites	None
Catalog Description	Introduces students to the ways in which archaeologists and geoscientists define, recognize, examine, and interpret soils in both the field and the laboratory. Our goal is to understand: (1) how the interactions of landform, topography, climate, and biota result in patterns of soil development and the distribution of soils that we observe within the landscape; (2) the significance of soils to other disciplines, including archaeology, Quaternary geology, and geoenvironmental science; and (3) how the physical, chemical and biological properties of soils are

	influenced by human activities both past and present. Includes field trips that may occur on weekends.
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#### 4. PROGRAM REVISION (NEW TRACK)

**Department:** Mathematics

**Degree Program:** M.S. in Applied Mathematics: Community College Track

**Catalog Start Term:** Fall, 2016

**Rationale:**

Due to changes in state policy, instructors teaching at community colleges must have an MA or MS degree with at least 18-24 graduate credits in the content discipline. Thus, many current instructors at community colleges are seeking a degree program in order to maintain their employment. This track in the MS in Applied Mathematics program will provide students with appropriate graduate mathematics content courses and will strengthen their background in teaching methodology.

Catalog Description	This track is designed to provide students who intend to teach at community colleges graduate mathematics contents and some teaching methodologies.
Program Requirements	<p>Core courses: (Same as the M.S. in Applied Mathematics)</p> <p>MATH 545 Deterministic Models in Operation Research</p> <p>MATH 546 Probabilistic Models in Operation Research</p> <p>MATH 563 Mathematical Statistics I</p> <p>MATH 564 Mathematical Statistics II</p> <p>MATH 625 Analysis for Applied Mathematics</p> <p>Controlled Elective:</p> <p>Choose two from: MAED 611, MAED 613, MAED 614, MAED 654</p> <p>Choose two from: MATH 640, 641, MATH 643, MATH 645, MATH 665, MATH 667</p> <p>Choose one from: MATH 521, MATH 523, MATH 527, MATH 553, MATH 576</p>

	Choose one from: Thesis, Internship (option for teaching or industry setting)
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## 5. COURSE DELETIONS

**Department:** Counseling

**Courses:**

COUN 610: Introduction to Community Counseling

COUN 626 Career Education in the Schools

COUN 627 Child Counseling and Consulting Theories

COUN 629 Group Procedures (Child)

COUN 730 Ethical and Legal Issues in Community Counseling

### **FOR INFORMATION:**

**The following were approved by the UWGC to be offered as distance education courses:  
(Provost provides final approval)**

HPED 602: Sport Psychology

**Appendix D**  
**Research Committee**  
**Chair Gossett**

The University Senate Research Committee met on December 8th, 2015. The first part of the meeting was devoted to committee business. The rest of the meeting focused on reviewing proposals. Overall, there were 12 USRC Small Grant proposals and the decision was made to fund 11 proposals totaling \$11,604.22. The next meeting is February 9th at 3:30 pm in Stright Hall.

The USRC funded projects by

- Drs. Jonathan Cooper, John Lewis, and Michelle Papakie
- Dr. Avijita Jain
- Ms. Susan Palmisano
- Dr. Francisco Alarcon
- Dr. Pearl Berman
- Dr. Rachelle Bouchat
- Dr. Laura Delbrugge
- Dr. Rita Drapkin
- Dr. Timothy Flowers
- Dr. Lorraine Guth
- Dr. Mary Louise Metz