UNIVERSITY CURRICULUM COMMITTEE AGENDA
2:00 p.m., Friday, March 10, 2017
106 Administration, Provost Conference Room

Note: If you are unable to attend or will be sending a substitute, please notify Carole Makela (1-5141) or Curriculum_Catalog@colostate.edu (1-2429) prior to the meeting.

MINUTES – Minutes of March 3, 2017.

ANNOUNCEMENTS

1. Faculty Council (3/7/17) approved the UCC minutes of 2/3, 2/10, 2/17 and 2/24.
2. New Undergraduate Representative: Mahalia Henschel (Communications Studies major).
3. CIM will be unavailable 24-48 hours early July for upgrades. Specific dates will be published later.
4. Curriculum & Catalog recap of LUC: Leepfrog User Conference (Catalog/CIM vendor)
5. No UCC meeting will be held the week of Spring Break, March 17th.
6. All catalog pages have been distributed for editing and review. Submission deadline for these pages is Friday, April 14th.

CONSENT AGENDA

See listing after New Business.

CIM Considerations

CIM Forms
CIM Processes
CIM Help Bubble

PENDING CoSRGE

New Program Proposals:

- Doctor of Philosophy in Watershed Science

OTHER BUSINESS

1. **Discussion Item: UCC Committee Responsibilities and Operating Procedures**
   UCC Committee Responsibilities – Faculty Manual Section C:
   k. University Curriculum Committee (last revised June 22, 2006)

   The University Curriculum Committee shall consist of one (1) faculty representative from each college and the Libraries, one (1) undergraduate student, one (1) graduate student, and the Provost or his or her designee (ex officio). The duties of this standing committee shall be:
   1. To receive or initiate recommendations pertaining to each and every course and program offered for academic credit by any unit of the University.
   2. To evaluate all proposals for new undergraduate courses and programs as well as changes in existing courses and programs for correlation with other departments before consideration and approval by the Faculty Council.
   3. To evaluate all proposals for new graduate courses and programs as well as changes in existing courses and programs for correlation with other departments. Review of graduate programs is conducted after the Committee on Scholarship, Research, and Graduate Education has recommended approval prior to their submission to the Faculty Council for approval.
   4. To develop necessary administrative procedures for informing interested colleges concerning courses under consideration.
   5. To evaluate proposals for the establishment of new departments, and the change of academic name, change in college affiliation, dissolution, division, or merger of existing departments.
   6. To recommend policies to the Faculty Council related to the operations of the Division of Continuing Education which impact curricula.

UCC Operating Procedures

2. **Discussion Item: CIM 'Affected Department' help bubble wording:**

Courses
****Do Not Include Proposing Department in Affected Department selection****
A proposed course (new or experimental) must be reviewed by all outside departments teaching related courses in which there may be overlapping content before being submitted to Curriculum for consideration by UCC. Prospective users of the course should have an opportunity to review the proposed course. Approvals must be obtained from individuals representing each of the units.

Any change to a current course which is a prerequisite for a course in another department and/or service course to other departments and majors must be reviewed by those departments and approvals obtained to indicate that they have had the opportunity to review the proposed changes.

Select affected departments by reviewing the course preview window directly under the course title in CIM. This window displays *programs referencing this course* and *other courses referencing this course.* This information should guide the selection of affected departments.

Programs
Affected departments include any unit outside the home department whose course is used in the Program, Minor, Certificate, etc. Affected departments might also include those offering a program with similar or overlapping content.

If including education courses for Teacher Licensure the proposing department must select 1588 (Education) as an affected department so that the Center for Educator Preparation may review the proposal.

OLD BUSINESS

New Courses		*Effective Term*	*Notations*
COLLEGE OF NATURAL SCIENCES			
BZ 565/ MIP 565	**BZ 565/MIP 565 Next Generation Sequencing Platform/Libraries 1(0-2-0) F** **Prerequisite:** CM 505 or ENGR 505 or NSCI 505. **Registration Information:** This is a partial semester course. Credit not allowed for both BZ 565/MIP565 and CM 581A2. **Description:** Theoretical and experimental aspects of next generation sequencing experiments with a focus on the Illumina platform. Students will create and sequence metagenomic and 16S rDNA libraries from soil samples and unknown bacterial cultures. **Grade Mode:** Traditional	Fall 2017	***General Elective*** ***Initial UCC Review:*** *Prerequisite course is pending under 'New Business'*
Reason for Request:	Over the last decade, next generation sequencing (NGS) has become a widely used approach to understand and characterize biological processes. However, due to the rapid rise of this technology most faculty, even within the life sciences, have little hands-on experience. This makes it challenging for them to provide adequate training for graduate students. This course addresses this gap by providing training in both the experimental design and practical aspects of creating a library for NGS. The course will be of value to both life scientists and biomedical engineers engaged in research involving NGS approaches. Furthermore the course will also be open to Statistics, Mathematics and Computer Science graduate students who routinely analyze and model data generated through NGS.		

DSCI 100	**DSCI 100 First Year Seminar in Data Science 1(0-0-1) F** **Prerequisite:** None. **Registration Information:** Freshman or sophomore only. **Description:** Introduction to problems and techniques in data science. **Grade Mode:** Traditional	Spring 2018	***Required*** *Major in Data Science 4 concentrations*
Reason for Request:	A new BS degree program in Data Science enables Colorado State University to respond to a burgeoning societal need for expertise in this rapidly emerging discipline. This course provides an introduction to problems, techniques and challenges in data science, (SLO #1) introduces students to faculty members associated with the program and helps to build a sense of a cohort among students in this major to support future professional interactions (SLO #3).		

DSCI 335	**DSCI 335 Quantitative Reasoning and Ethics 3(3-0-0) S** **Prerequisite:** JTC 300; STAT 342. **Registration Information:** Written consent of instructor. **Description:** Sources of data collection errors and uncertainties, type of studies, interaction versus confounding, fair use of data, confidentiality and disclosure. **Grade Mode:** Traditional	Spring 2018	***Required*** *Major in Data Science 4 concentrations*
Reason for Request:	This course will provide core content to the Data Science program and will be a required course for all concentrations.		

INTRA-UNIVERSITY

CM 505/ ENGR505/ NSCI 505	**CM 505/ENGR 505/NSCI 505 Nucleic Acids for Non-Life Scientists 1(0-2-0) F** **Permanent Partial Semester:** Yes **Prerequisite:** None. **Registration Information:** This is a partial semester course. Written consent of instructor. Credit allowed for only one of the following: CM 505, CM 581A1, ENGR 505 or NSCI 505. **Description:** Basic molecular biology including nucleic acid structure, function and manipulation. Hands on experience in the common techniques used to quantify, quality control and manipulate nucleic acids with an emphasis on the polymerase chain reaction.	Fall 2017	***General Elective***
Reason for Request:	In recent years biologists have begun to generate enormous datasets of DNA sequences that require extensive computational, mathematical and/or statistical expertise in order to be fully understood. However, there are few students in these fields with adequate biology background to be full participants in the design and analysis of these experiments. At the same time, engineers are developing sensors that use nucleic acids as tools, but many of these researchers lack the necessary molecular biology training to take full advantage of these approaches. This course aims to train non-life scientists in the common techniques used to analyze and manipulate nucleic acids and giving them a core understanding of the chemistry and function of these versatile molecules.		

Major Changes to Courses		***Effective Term***	***Notations***
COLLEGE OF LIBERAL ARTS			
ART 496H	**ART 496H Group Study: Art History 3~~1-4~~(3~~0~~0-0) As Needed ~~F, S, SS~~** **Prerequisite:** ART 212. **Registration Information:** Maximum of 9 ~~8~~ credits allowed in course. **Description:** Topical studies in Art History. **Grade Mode:** Traditional ~~Instructor Option~~ [proposed new AUCC **4A**: Using Competencies & AUCC **4B**: Building Upon Foundations and Perspectives for the following: Bachelor of Arts, Art Education Concentration Bachelor of Arts, Art History Concentration Bachelor of Arts, Studio Concentration Bachelor of Arts, Integrated Visual Studies Concentration *(proposal pending in CIM)*]	Fall 2017	***Proposed new:*** *AUCC 4A & 4B* *(Course Content and Assessment Component fields have been updated)*
Reason for Request:	The Group Study in Art History is not currently listed as fulfilling AUCC 4A, 4B criteria although the way the course is taught already fulfills the stipulations. Adding this designation to the course will help attract more students to the special topics courses we offer as group studies.		

LSPA 500A	**LSPA 500A Language Analysis/Stylistics-Spanish: Syntax 3(3-0-0) F** **Prerequisite:** LSPA 400. **Registration Information:** ~~May be taken 3 times for credit.~~ **Description:** Analysis of Spanish structure through the examination of style in literary and non-literary texts. **Grade Mode:** Student Option	Fall 2017	***Elective in:*** *Grad Cert in Spanish Linguistics and Literary Studies*
Reason for Request:	This course will rotate topics (Syntax, Phonetics/Phonology, Morphology, Other).		

NEW BUSINESS

New Courses		*Effective Term*	*Notations*
COLLEGE OF LIBERAL ARTS			
LSPA 500B	**LSPA 500B Language Analysis/Stylistics-Spanish: Phonetics and Phonology 3(3-0-0) As Needed** **Prerequisite:** LSPA 400. **Registration Information:** Graduate Standing. **Description:** Theoretical and practical study of speech sounds (phonetics), and the systematic use of such sounds in language (phonology). **Grade Mode:** Traditional	Fall 2017	***Elective***
Reason for Request:	LSPA500 has been traditionally Syntax. We would like to add additional subtopics (Phonetics and Phonology or Morphology) so those topics can rotate under the "Analysis" umbrella.		
COLLEGE OF NATURAL SCIENCES			
DSCI 336	**DSCI 336 Data Graphics and Visualization 1(1-0-0) S** **Prerequisite:** STAT 342. **Permanent Partial Semester:** Yes. **Registration Information:** This is a partial semester course. **Description:** Data graphics and visualization techniques for Data Science. **Grade Mode:** Traditional	Spring 2018	***Required*** *Major in Data Science*
Reason for Request:	This course will provide core content to the Data Science program and will be a required course for all concentrations.		
DSCI 475	**DSCI 475 Topological Data Analysis 2(2-0-0) S** **Prerequisite:** DSCI 369 or MATH 369. **Permanent Partial Semester:** Yes. **Registration Information:** This is a partial semester course. **Description:** Topological techniques for analyzing high-dimensional or complex data. Topics include clustering, dendrograms, a visual introduction to topology, data modeling and visualization, and selected topics from nonlinear dimensionality reduction, graph-based models of data, Reeb graphs, multi-scale approaches to data, and persistent homology. **Grade Mode:** Traditional	Spring 2018	***Elective***
Reason for Request:	This course will provide core content to the Data Science program and will be a possible elective for all concentrations.		

Major Changes to Course		*Effective Term*	*Notations*
COLLEGE OF ENGINEERING			
CBE 101	**CBE 101 Introduction to Chemical and Biological Engr ~~Engineering I~~ 3(2-2-0) F, S** **Prerequisite:** CBE 160 or concurrent registration. **Registration Information:** Must register for lecture and laboratory. **Description:** Engineering design and problem solving; technical presentation skills; basic computer programming. **Grade Mode:** Traditional **Reason for Request:** The title is being changed to reflect the fact that the second part of this course is no longer offered.	Spring 2018	***Required*** *Chemical & Biological Engineering*
CBE 205	**CBE 205 Fundamentals of ~~Introduction to~~ Biological Engineering 3(3-0-0) F** **Prerequisite:** CBE 101; CBE 160; LIFE 102. **Registration Information:** None. **Description:** Introduction to the application of the principles of engineering and biology to the analysis, design, and optimization of bioprocesses. **Grade Mode:** Traditional **Reason for Request:** The title change is to differentiate this course from the freshman (soon to be retitled) 'Introduction to Chemical and Biological Engineering'	Spring 2018	***Required*** *Chemical & Biological Engineering*
COLLEGE OF HEALTH AND HUMAN SCIENCES			
CON 267	**CON 267 Construction Management Pre-Internship 1(0-0-1) F, S~~, SS~~** **Prerequisite:** CON 265 (with a grade of C or better). ~~**None.**~~ **Registration Information:** Construction Management Majors Only. **Description:** Skills and concepts related to successful internships within the construction management industry. **Grade Mode:** Traditional **Reason for Request:** This course is being modified to better align the description, objectives, and content with current construction management practices. The program's accrediting body, the American Council for Construction Education (ACCE), has adopted a Student Learning Outcomes (SLO) based accreditation standard. Course objective and content changes are being implemented to better/more directly align course materials with ACCE SLO requirements.	Spring 2018	***Required*** *Construction Management*
COLLEGE OF LIBERAL ARTS			
ANTH 225	**ANTH 225 Anthropology of ~~Music and~~ the Arts 3(3-0-0) F** **Prerequisite:** None. **Offering Year:** Odd **Registration Information:** None. **Description:** Explores ~~music and~~ the arts (both visual and performing) from the perspective of cultural anthropology. What is art and how is the category differently constructed cross-culturally? Why and how do people make, consume, and identify with expressive culture? How can the visual ~~art~~ and performing arts ~~music~~ help us to develop a deeper understanding of how human beings make meaning? Read a variety of ethnographic texts that illuminate these and related questions. **Grade Mode:** Traditional **Reason for Request:** Correction to new course that was approved by UCC 12/9/16 (effective Fall 2017). 'The Arts' is appropriate in the title and description, but 'music' is not.	Fall 2017	***General Elective***
CO 130	**CO 130 Academic Writing (GT-CO1) 3(3-0-0) F, S, SS** **Prerequisite:** None. **Registration Information:** Sections may be offered: Online. **Description:** Academic writing, critical thinking, and critical reading through study of a key academic issue. **Grade Mode:** Traditional	Fall 2017	***Elective*** *(Updating GTP course)*

Reason for Request:	CDHE has changed content criteria and competencies for this course. Therefore the course objectives and a statement of the course's transferability needs to be rearticulated in accordance with State mandate		
CO 150	**CO 150 College Composition 3(3-0-0) F, S, SS** **Prerequisite:** CO 130 or Composition Challenge Essay (score of 3, 4, or 5) or SAT Verbal/Critical Reading score of minimum 600, or SAT Evidence Based Reading/Writing score of minimum 650, or ACT COMPOSITE score of minimum 26, or Directed Self-Placement Survey code of 15. **Registration Information:** Must have taken CO 130 or Composition Challenge Essay (score of 3, 4, or 5) or SAT Verbal/Critical reading score of minimum 600 or SAT Evidence Based Reading/Writing score of minimum 650 or ACT COMPOSITE score of minimum 26 or above or Directed Self-Placement Survey code of 15. Sections may be offered: Online. **Description:** Understanding and writing for rhetorical situations; critical reading and response; writing source-based argument for academic and public audiences. **Grade Mode:** Traditional	Fall 2017	***Required Elective*** *(Updating GTP course)*
Reason for Request:	CDHE has changed content criteria and competencies for this course. Therefore the course objectives and a statement of the course's transferability needs to be rearticulated in accordance with State mandate		
CO 300	**CO 300 Writing Arguments 3(3-0-0) F, S, SS** **Prerequisite:** CO 150 or HONR 193 **Registration Information:** Sections may be offered: Online. **Description:** Reading, analyzing, researching, and writing arguments. **Grade Mode:** Traditional	Fall 2017	***Required Elective*** *(Updating GTP course)*
Reason for Request:	CDHE has changed content criteria and competencies for this course. Therefore the course objectives and a statement of the course's transferability needs to be rearticulated in accordance with State mandate		
CO 301A	**CO 301A Writing in the Disciplines: Arts and Humanities (GT-CO3) 3(3-0-0) F, S, SS** **Prerequisite:** CO 150 or HONR 193 **Registration Information:** Sections may be offered: Online. **Description:** Learning writing strategies for addressing general audiences in arts and humanities. **Grade Mode:** Traditional	Fall 2017	***Required Elective*** *(Updating GTP course)*
Reason for Request:	CDHE has changed content criteria and competencies for this course. Therefore the course objectives and a statement of the course's transferability needs to be rearticulated in accordance with State mandate		
CO 301B	**CO 301B Writing in the Disciplines: Sciences (GT-CO3) 3(3-0-0) F, S, SS** **Prerequisite:** CO 150 or HONR 193 **Registration Information:** Sections may be offered: Online. **Description:** Learning writing strategies for addressing general audiences in sciences. **Grade Mode:** Traditional	Fall 2017	***Required Elective*** *(Updating GTP course)*
Reason for Request:	CDHE has changed content criteria and competencies for this course. Therefore the course objectives and a statement of the course's transferability needs to be rearticulated in accordance with State mandate		
CO 301C	**CO 301C Writing in the Disciplines: Social Sciences (GT-CO3) 3(3-0-0) F, S, SS** **Prerequisite:** CO 150 or HONR 193 **Registration Information:** Sections may be offered: Online. **Description:** Learning writing strategies for addressing general audiences in social sciences. **Grade Mode:** Traditional	Fall 2017	***Required Elective*** *(Updating GTP course)*
Reason for Request:	CDHE has changed content criteria and competencies for this course. Therefore the course objectives and a statement of the course's transferability needs to be rearticulated in accordance with State mandate		

CO 301D	**CO 301D Writing in the Disciplines: Education (GT-CO3) 3(3-0-0) F, S, SS** **Prerequisite:** CO 150 or HONR 193 **Registration Information:** Sections may be offered: Online. **Description:** Learning writing strategies for addressing general audiences in education. **Grade Mode:** Traditional	Fall 2017	***Required*** ***Elective***
Reason for Request:	CDHE has changed content criteria and competencies for this course. Therefore the course objectives and a statement of the course's transferability needs to be rearticulated in accordance with State mandate		
CO 302	**CO 302 Writing in Digital Environments 3(3-0-0) F, S** **Prerequisite:** CO 150 or HONR 193 **Registration Information:** Sections may be offered: Online. **Description:** Writing strategies, patterns and approaches for online materials. **Grade Mode:** Traditional	Fall 2017	***Required*** ***Elective***
Reason for Request:	CDHE has changed content criteria and competencies for this course. Therefore the course objectives and a statement of the course's transferability needs to be rearticulated in accordance with State mandate		
ETST 100	**ETST 100 Introduction to Ethnic Studies 3(3-0-0) F, S, SS** **Prerequisite:** None **Registration Information:** Sections may be offered: Online. **Description:** Key concepts, theories, and historical experiences that form the basis of scholarly work in comparative ethnic studies, domestically and internationally. **Grade Mode:** Traditional	Spring 2018	***General Elective***
Reason for Request:	We are preparing to create an online minor and this will be one of our offered courses.		

New Graduate Certificate

College of Health and Human Nutrition
Department of Food Science & Human Nutrition
Graduate Certificate in Nutrition Sciences

Effective Fall 2017
Link to CIM

Reason for Request: Currently in the United States, over two-thirds of adults are considered to be overweight or obese, and cardiovascular disease and cancer are the leading causes of death for adults. Americans spend billions of dollars each year on dietary supplements and weight loss efforts, while attempting to sort through conflicting information about nutrition from the media and other sources. Professionals in various disciplines often field questions about nutrition and need to be able share credible resources or refer to appropriate practitioners. However, there is a lack of curriculum dedicated to nutrition for most health-related fields outside dietetics. For example, a minimum of 25 hours of nutrition education is recommended for medical students. However, a recent survey of 121 U.S. medical schools found that 71% failed to meet that minimum recommendation, and over one-third failed to meet half the minimum recommended (1). The dynamic nature of the subject matter requires continuing education to stay abreast of current research and recommendations. This certificate will provide important continuing education for health professionals, and valuable, evidence-based information for all students.

Additional coursework may be required due to prerequisites.

Code	Title	Credits
FSHN 530	Principles of Nutrition Science & Metabolism	3
FSHN 531	Diet, Nutrition, and Chronic Disease	3
FSHN 532	Emerging Issues in Nutrition	3
Program Total Credits:		**9**

*This certificate may have courses in common with other graduate certificates. A student may earn more than one certificate, but a given course may be counted only in one certificate.

New Degree Proposals

College of Liberal Arts
Department of Anthropology
Ph.D. in Anthropology

Effective Fall 2017
Link to CIM

Reason for Request: The rationale to develop a Ph.D. program in anthropology with a focus on place, space and adaptation is threefold. First, both existing and prospective graduate students have expressed a desire to obtain a Ph.D. in anthropology from our department. Second, many of our faculty members actively advise Ph.D. students from other departments as well as other universities; faculty energies and student interest is better matched under the umbrella of a Ph.D. program in anthropology. Third, an advanced graduate program that addresses the interrelationships between place, space, and adaptation showcases our diverse faculty and their research interests and allows the department to better integrate the disciplines of anthropology and geography. These foci and their ability to frame hypotheses concerning human-environment interactions in the past and present also place the program at the forefront of the anthropological sciences.

Effective Fall 2017

Code	Title	Credits
Core Courses		
ANTH 500	Development of Anthropological Theory	3
ANTH 692	Seminar	3
Method Courses:		**9**
Select at least 3 credits in both ANTH and GR subject code courses.		
ANTH 372	Human Osteology	
ANTH 438	Approaches to Community-Based Development	
ANTH 441	Method in Cultural Anthropology	
ANTH 442	Ethnographic Field School	
ANTH 443	Ethnographic Field Methods	
ANTH 444	Cultures of Virtual Worlds--Research Methods	
ANTH 449	Participatory Monitoring and Evaluation	
ANTH 465	Zooarchaeology	
ANTH 475	Methods of Analysis in Paleoanthropology	
ANTH 530	Human-Environment Interactions	
ANTH 541	Seminar in Archaeological Method	
ANTH 543	Advanced Ethnographic Field Methods	
ANTH 544	From Death to Discovery	
ANTH 545	Global Mental Health--Theory and Method	
ANTH 554	Ecological and Social Agent-based Modeling	
ANTH 566	Field Methods Training in Online Environments	

Code	Title	Credits
ANTH 573	Paleoclimate and Human Evolution	
ANTH 660	Field Archaeology	
ANTH 686	Practicum-Field Archaeology	
GR 311	GIS for Social Scientists	
GR 420	Spatial Analysis with GIS	
GR 430	Land Change Science and Remote Sensing	
GR 431	Land Change Science Lab	
GR 503	Remote Sensing and Image Analysis	
Theory/topical electives:		**12**
12 credits total; at least 3 credits in each of the 3 anthropology sub-disciplines, and 3 credits in GR. These requirements can be fulfilled at the Master's level.		
ANTH 515	Culture and Environment	
ANTH 520	Women, Health, and Culture	
ANTH 521	Gender, Sexuality, and Culture	
ANTH 528	Economic Anthropology	
ANTH 529	Anthropology and Sustainable Development	
ANTH 532	The Culture of Disaster	
ANTH 535	Globalization and Culture Change	
ANTH 540	Medical Anthropology	
ANTH 542	Seminar in Archaeological Theory	
ANTH 546	Culture, Mind, and Cognitive Science	
ANTH 547	Mind, Medicine, and Culture	
ANTH 550A	Regional Prehistory: Great Plains	
ANTH 550B	Regional Prehistory: Great Basin	
ANTH 550C	Regional Prehistory: Southwestern	
ANTH 551	Historical Archaeology	
ANTH 553	Archaeology of Complex Societies	
ANTH 555	Paleoindian Archaeology	
ANTH 570	Contemporary Issues-Biological Anthropology	
ANTH 571	Anthropology and Global Health	
ANTH 572	Human Origins	
ANTH 660	Field Archaeology	
ANTH 679	Applications of International Development	
ANTH 684	Supervised College Teaching	
ANTH 686	Practicum-Field Archaeology	
ANTH 692	Seminar	
ANTH 792	Special Topics in Anthropology	

Code	Title	Credits
ANTH 795	Independent Study	
ANTH 799	Dissertation	
GR 410	Climate Change: Science, Policy, Implications	
GR 415	The Geography of Commodities	
GR 448	Forest Biogeography and Climate Change	
GR 592	Special Topics in Geography	
Additional Credits:		**12**
ANTH 795	Independent Study	
ANTH 799	Dissertation	
Electives		
Additional requirement:		**3**
3 credits must come from outside the department and fit into either methods or theoretical/topical credits		
Program Total Credits:		**72**

A minimum of 72 credits are required to complete this program.

Most students entering the Ph.D. program in anthropology will bring in 30 credits from a Master's program in a related field. The above curriculum represents a total of 42 credits beyond the Master's level. If a prospective student has less than 30 credits toward the program, an individualized curriculum plan will be developed by working with primary advisor that will cover possible anthropology deficiencies.

College of Liberal Arts
Department Ethnic Studies
Major in Women's and Gender Studies

Effective Fall 2017
Link to CIM

Reason for Request: Replacement of the Ethnic Studies Concentration in Women's Studies.

FRESHMAN			
		AUCC	**CREDITS**
CO 150	College Composition (GT-CO2)	1A	3
ETST 100	Introduction to Ethnic Studies (GT-SS3)	3E	3
WS 200	Introduction to Women's Studies	3C	3
Arts and Humanities		3B	3
Biological and Physical Sciences		3A	3-4
Mathematics		1B	3
Social and Behavioral Sciences		3C	3
Historical Perspectives		3D	3
Electives			6
	Total Credits		**30**

SOPHOMORE			
Select two courses from the following:			6
ECON 211	Gender in the Economy (GT-SS1)	3E	
ETST 254	La Chicana in Society		
MU 231	Women in Music		
WS 269	Women of Color in the United States		
WS 270	Feminist Theory		
Advanced Writing		2	3
Arts and Humanities		3B	3
Biological and Physical Sciences		3A	4
Minor[1]			6
Electives			8
		Total Credits	**30**

JUNIOR			
Select three intersectional courses from the following courses:			9
ANTH 338	Gender and Anthropology		
E 334	Gay and Lesbian Literature		
ETST 254	La Chicana in Society		
ETST 300	Queer Studies and Women of Color		
ETST 352/SOWK 352	Indigenous Women, Children, and Tribes		
ETST 411	Black Feminism(s)		
ETST 413	Queer Creative Expressions		
Select two arts & humanities			6
ART 314	Women in Art History		
E 330	Gender in World Literature		
E 331	Early Women Writers		
E 332	Modern Women Writers		
E 334	Gay and Lesbian Literature		
ETST 354	Black Cinema and Media		
Select two social science course from the following:			6
HIST 304	Women in Ancient Greece and Rome		
HIST 312	Women in Medieval Europe		
HIST 320	Women and Gender in Europe, 1450-1789		
HIST 358	American Women's History to 1800		
HIST 359	American Women's History Since 1800		
HIST 369	History of Sexuality in America		
PHIL 353	Feminist Philosophies		

PSY 327	Psychology of Women		
SOC 333	Gender and Society		
SPCM 335	Gender and Communication		
SPCM 358	Gender and Genre in Film		
WS 397	Group Study		
Minor[1]			9
	Total Credits		**30**
SENIOR			
ETST 405	Ethnicity, Class, and Gender in the U.S.	4A,4B	3
WS 472	Seminar in Multiracial Decolonial Feminisms	4C	3
WS 487	Internship		3
Select three courses, not taken previously, from the following courses			9
ETST 411	Black Feminism(s)		
ETST 413	Queer Creative Expressions		
HIST 369	History of Sexuality in America		
LSPA 445	Women Writers in the Hispanic World		
PSY 437	Psychology of Gender		
SOC 450	Gender, Crime, and Criminal Justice		
Select two courses, not taken previously, from the following:			6
ANTH 338	Gender and Anthropology		
ANTH 447	Gender Equity in Development		
ART 314	Women in Art History		
E 330	Gender in World Literature		
E 331	Early Women Writers		
E 332	Modern Women Writers		
E 334	Gay and Lesbian Literature		
ETST 254	La Chicana in Society		
ETST 300	Queer Studies and Women of Color		
ETST 352/SOWK 352	Indigenous Women, Children, and Tribes		
ETST 354	Black Cinema and Media		
ETST 382/LGEN 382	Italian Ethnic Identity, Culture, and Gender		
ETST 411	Black Feminism(s)		
ETST 413	Queer Creative Expressions		
HIST 304	Women in Ancient Greece and Rome		
HIST 312	Women in Medieval Europe		
HIST 320	Women and Gender in Europe, 1450-1789		
HIST 358	American Women's History to 1800		

HIST 359	American Women's History Since 1800	
HIST 369	History of Sexuality in America	
LSPA 445	Women Writers in the Hispanic World	
IE 470	Women and Development	
PHIL 353	Feminist Philosophies	
PSY 327	Psychology of Women	
SOC 333	Gender and Society	
SOC 450	Gender, Crime, and Criminal Justice	
SPCM 335	Gender and Communication	
SPCM 358	Gender and Genre in Film	
WS 397	Group Study	
WS 484	Supervised College Teaching	
WS 495	Independent Study	
Minor[1]		6
	Total Credits	**30**
	Program Total Credits:	**120**

[1] A second major will substitute for the required minor.

New Minor

College of Agricultural Sciences
Department of Agricultural and Resource Economics
Minor in Environmental and Natural Resource Economics

Effective Fall 2017
Link to CIM

Reason for Request: Students are increasingly interested in courses from the Department of Agricultural and Resource Economics that are related to natural resources and the environment. This minor offers them a way to remain in the majors they find most fitting, while being recognized for acquiring basic skills in the economics of environmental and resource management.

Effective Fall 2017

Approved Shared Content from /shared/minor-upper-division-minimum/
Students must satisfactorily complete the total credits required for the minor. Minors and interdisciplinary minors require 12 or more upper-division (300- to 400-level) credits.
Approved Shared Content from /shared/minor-additional-coursework/
Additional coursework may be required due to prerequisites.

Code	Title	Credits
Required Courses:		
AREC 202	Agricultural and Resource Economics (GT-SS1)	3
AREC 240	Issues in Environmental Economics (GT-SS1)	3
Electives – Choose at least 15 credits from the following:		**15**
AREC 340	Introduction: Economics of Natural Resources	

Code	Title	Credits
AREC 341	Environmental Economics	
AREC 342	Water Law, Policy, and Institutions	
AREC 346	Economics of Outdoor Recreation	
AREC 440	Advanced Environmental and Resource Economics	
AREC 442	Water Resource Economics	
AREC 444	Economics of Energy Resources	
Program Total Credits:		**21**

University Curriculum Committee
March 10, 2017
CONSENT AGENDA

Experimental Courses – 1st Offering

	Course Title	Effective Term
ECE 580B5	Applied Electromagnetics	Fall 2017

Course Drops

	Course Title	Requested Change	Effective Term
ACT 501	Accounting for Global Sustainable Enterprise	Drop	Fall 2017
ACT 650	Advanced Accounting Information Systems	Drop	Fall 2017

Minor Changes to Existing Program

College of Engineering **Effective Fall 2017**
Master of Engineering, Plan C, Biomedical Engineering Specialization Link to CIM

Reason for Request: The program needs to drop STAT 511 as an optional breadth course. Based on course content, the content that we find acceptable for statistics knowledge in our program is STAT 512.

Effective ~~Spring 2012~~Fall 2017

Students must take a minimum of 15 semester credits of biomedical engineering (BIOM) courses[1]

Code	Title	Credits
Core Course Requirements		
BIOM 570/MECH 570	Bioengineering	3
BMS 500	Mammalian Physiology I	4
Foundation Courses		
Select a minimum of 12 credits from the following:		12
BIOM 525/MECH 525	Cell and Tissue Engineering	
BIOM 526/MECH 526	Biological Physics	
BIOM 531/MECH 531	Materials Engineering	
BIOM 532/MECH 532	Material Issues in Mechanical Design	
BIOM 533 or **CIVE 534**	Biomolecular Tools for Engineers [2] Applied and Environmental Molecular Biology	
BIOM 543/CBE 543	Membranes for Biotechnology and Biomedicine	
BIOM 573/MECH 573	Structure and Function of Biomaterials	
BIOM 671/MECH 671	Orthopedic Tissue Biomechanics	
Depth Courses		

Code	Title	Credits
Select a minimum of 8 credits from the following not taken in another category:		8
ANEQ 565	Interpreting Animal Science Research	
BC 565	Molecular Regulation of Cell Function	
BIOM 531/MECH 531	Materials Engineering	
BIOM 592	Seminar	
BMS 501	Mammalian Physiology II	
BMS 575	Human Anatomy Dissection	
BMS 631	Mechanisms of Hormone Action	
CBE 503	Transport Phenomena Fundamentals	
ECE 512	Digital Signal Processing	
ERHS 712	Physics of Diagnostic Imaging	
HES 531	Muscle and Joint Mechanics	
MECH 530	Advanced Composite Materials	
MIP 651	Immunobiology	
NB 505	Neuronal Circuits, Systems and Behavior	
Breadth Courses		
Select a minimum of 3 credits from the following:		3
MATH 545	Partial Differential Equations I	
~~STAT 511~~	~~Course STAT 511 Not Found~~	
STAT 512	Design and Data Analysis for Researchers II	
STAT 520	Introduction to Probability Theory	
STAT 521	Stochastic Processes I	
Program Total Credits:		**30**

A minimum of 30 credits are required to complete this program.

[1] Additional courses may need to be taken as supplemental requirements to satisfy provisional admission requirements, course prerequisites, or supplemental coursework stipulations.

[2] Students with a strong background in Cellular and Molecular Biology may substitute CM 502 for BIOM 533 or CIVE 534.

Seminar, thesis, and independent study credits will not apply toward degree.