

**UNIVERSITY CURRICULUM COMMITTEE AGENDA  
 2:00 p.m., Friday, September 16, 2016  
 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 [Shelly Ellerby](#) (1-2816) prior to the meeting.

**MINUTES** – Minutes of September 9, 2016

**ANNOUNCEMENTS**

1. The Graduate School has done a study reviewing ‘small programs’ defined as masters programs that have graduated 20 or less students in 5 years and PhDs that have graduated 10 or fewer. The word is that there are few of this—I do not know which they are.  
 Review of newer graduate programs, indicate that projections of enrollments, and therefore revenues, in Phase 1 and 2 proposals tend to be overestimated.
  
2. Potential new degree programs—only including those that are at least have had Phase 1 (preliminary program proposal) reviewed by the Council of Deans recently, or those Phase 0 that were introduced last week and appear to be moving expeditiously. Note courses for these may have started or should be starting through the college curriculum committees.
  - a. Anthropology PhD
  - b. Geography BS or BA
  - c. Ecosystem Science and Sustainability MS/PhD
  - d. Data Science, BS
  - e. Materials Engineering MS/PhD—UCC has approved subject code
  - f. Women and Gender Studies BA
  - g. Counseling and Career Development MS (currently a specialization in Med)
  - h. Addictions Counseling (Plan C Masters) to replace the non-approved PSM)

Am not including those that have been lingering for 2-5 years as often the ideas have changed, colleges have reordered priorities, etc.
  
3. The Center for Public Deliberation is compiling extensive input from the Fall Forum on effective teaching, general education (AUCC, etc.) and the undergraduate degree. When these will be available has not been announced—there were many great ideas.
  
4. Upcoming UCC Deadlines – Completed proposals must be out of the College or SAU workflow in CIM by the dates shown below.

**Please note:** All changes to a program should be submitted at the same time on **ONE** proposal form once a year.

<b>Deadline</b>	<b>PROGRAM Proposals</b>	<b>Effective Term</b>
9/15/16	New GISPs	Spring 2017
	New Undergraduate Majors	Fall 2017
	New Master’s & PhDs	Fall 2017
	New Graduate Certificates	Fall 2017
10/14/16	New Undergrad Minors, Interdisciplinary Minors, & Certificates	Spring 2017
1/13/17	Changes to Existing Undergraduate Programs, including adding or dropping Concentrations	Fall 2017
	New Undergrad Minors, Interdisciplinary Minors, & Certificates	Fall 2017
	Changes to existing Graduate Programs, including adding or dropping Specializations	Fall 2017
	New GISPs	Fall 2017
	New Undergraduate Majors	Spring 2018
	New Master’s & PhDs	Spring 2018
1/17/17	New Graduate Certificates	Spring 2018

<b>Deadline</b>	<b>COURSE Proposals</b>	<b>Effective Term</b>
9/16/16	New Courses Major & Minor Changes to Courses Course Drops	Spring 2017
10/14/16	New Courses Major & Minor Changes to Courses Course Drops	Summer 2017
12/1/16	Experimental Courses	Spring 2017
1/13/17	New Courses Major & Minor Changes to Courses Course Drops	Fall 2017

**CONSENT AGENDA**

See listing after New Business.

**CIM Considerations**

CIM Forms  
 CIM Processes  
 CIM Help Bubble

**PENDING CoSRGE**

**New Program Proposals:**

- [Graduate Certificate in Adult Basic Education](#)
- [Graduate Certificate in Conservation Actions with Lands, Animal and People](#)
- [Graduate Certificate in Sustainable Military Lands Management \(SMLM\)](#)
- [Master of Accountancy, Plan C, Data Analytics and Systems Specialization](#)

**OTHER BUSINESS**

1. **Discussion Item: Proposed Professional Doctorate Policy** – see policy draft document on [UCC FileShare](#)
2. **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](#) – See document after the Consent Agenda

<b>OLD BUSINESS</b>
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**Major Changes to Courses**

**Effective Term**

**Intra-University**

[GRAD 550](#) **GRAD 550 STEM Communication 1(1-0-0) F, S** Spring 2017

**Prerequisite:** None.

**Registration Information:** Graduate standing. [Sections may be offered: Online.](#)

**Description:** Review and practice of key communication principles for Science, Technology, Engineering, and Mathematics (STEM) professionals.

**Grade Mode:** Traditional.

**Reason for Request:** STEM Communication skills are becoming more and more critical for an expanding population of graduate students. The goal of this request is to expand the access of such training to our online community of trainees.



**New Undergraduate Certificates**

**College of Liberal Arts  
 Department of Philosophy  
 Certificate in Ethics and Society**

**Effective Spring 2017**

[Link to CIM](#)

**Reason for Request:** This certificate is a response to the growing demand for ethics education from students in many different majors across campus. Until now, a comprehensive education in ethics was only available from within the Philosophy major or minor, which also required students to take many courses unrelated to ethics. This certificate has been developed to provide students from any major with the necessary background and skills to do advanced work in ethics without requiring them to do unrelated coursework in Philosophy.

<a href="#">PHIL 205</a>	Introduction to Ethics	3
Select 12 credits from the following: <sup>1</sup>		12
<a href="#">PHIL 103</a>	Moral and Social Problems (GT-AH3)	
<a href="#">PHIL 104</a>	Values, Culture, and Food Animal Agriculture	
<a href="#">PHIL 130</a>	Bioethics and Society	
<a href="#">PHIL 240</a>	Philosophies of Peace and Nonviolence	
<a href="#">PHIL 305A</a>	Philosophical Issues in the Professions: Business Ethics	
<a href="#">PHIL 305B</a>	Philosophical Issues in the Professions: Medical Life Science	
<a href="#">PHIL 305C</a>	Philosophical Issues in the Professions: Caring Professions	
<a href="#">PHIL 305D</a>	Philosophical Issues in the Professions: Engineering	
<a href="#">PHIL 305E</a>	Philosophical Issues in the Professions: Animal Science	
<a href="#">PHIL 305F</a>	Philosophical Issues in the Professions: Information Science	
<a href="#">PHIL 305G</a>	Philosophical Issues in the Professions: Research Ethics	

<b><u>PHIL 312</u></b>	Philosophy of Law
<b><u>PHIL 320</u></b>	Ethics of Sustainability
<b><u>PHIL 330</u></b>	Agricultural and Food System Ethics
<b><u>PHIL 345</u></b>	Environmental Ethics
<b><u>PHIL 350</u></b>	Social and Political Philosophy
<b><u>PHIL 353</u></b>	Feminist Philosophies
<b><u>PHIL 366</u></b>	Philosophy of Aging
<b><u>PHIL 447</u></b>	Ethical Theory

**Program Total Credits**

**15**

<sup>1</sup> At least 9 credits must be from upper-division courses.



**College of Liberal Arts  
 Department of Philosophy  
 Certificate in World Philosophies and Religions**

**Effective Spring 2017**

[Link to CIM](#)

**Reason for Request:** This certificate is a response to the growing demand from students for an education in philosophy that explores philosophical perspectives beyond those within the Western tradition. The Philosophy Department has had a lot of interest in such courses from students in other majors, but until now has only offered Global Philosophies as a concentration within a philosophy major. Many students with an interest in this area do not have room for a second major in Philosophy. This certificate has been designed to provide students from any major with the background and skills necessary for exploring a globally diverse group of philosophical traditions without requiring them to major in Philosophy.

Choose 1 course from the following:	3
<b><u>PHIL 170</u></b>	World Philosophies (GT-AH3)
<b><u>PHIL 171</u></b>	Religions of the West
<b><u>PHIL 172</u></b>	Religions of the East
Choose 12 additional credits from the following: <sup>1</sup>	12
<b><u>PHIL 170</u></b>	World Philosophies (GT-AH3)
<b><u>PHIL 171</u></b>	Religions of the West
<b><u>PHIL 172</u></b>	Religions of the East
<b><u>PHIL 173</u></b>	Philosophy of Traditional Judaism
<b><u>PHIL 270</u></b>	Issues in the Study of Religion
<b><u>PHIL 335</u></b>	Islam: Cosmology and Practice
<b><u>PHIL 349</u></b>	Philosophies of East Asia
<b><u>PHIL 351</u></b>	Interpreting the New Testament
<b><u>PHIL 355</u></b>	Philosophy of Religion
<b><u>PHIL 360</u></b>	Topics in Asian Philosophy
<b><u>PHIL 370</u></b>	Contemporary Western Religious Thought
<b><u>PHIL 371</u></b>	Contemporary Eastern Religious Thought

<b>PHIL 372</b>	Meaning and Truth in Religion
<b>PHIL 375</b>	Science and Religion
<b>PHIL 379</b>	Mysticism East and West
<b>PHIL 455</b>	Islamic Philosophy
<b>PHIL 463</b>	Seminar in Religious Studies

**Program Total Credits****15**

<sup>1</sup> At least 9 credits must be from upper-division courses.



## NEW BUSINESS

### New Courses

**Effective Term**

#### College of Agricultural Sciences

[ANEQ 531](#)    **ANEQ 531 Applied Bovine Respiratory Disease Management 1(1-0-0) F**    Fall 2017

**Prerequisite:** ANEQ 313 or ANEQ 346.

**Restriction:** Senior standing.

**Registration Information:** Written consent of instructor. This is a partial semester course.

**Description:** Economic significance, management and measurement of bovine respiratory disease; introduction to genetic influence on susceptibility.

**Grade Mode:** Traditional.

**Reason for Request:**

This course (one of two) was developed under a USDA-NIFA Coordinated Agricultural Project Grant, the "Integrated Program for Reducing Bovine Respiratory Disease Complex (BRDC) in Beef and Dairy Cattle" Grant no. 2011-68004-30367, (in its final year of funding; www.brdcomplex.org) to provide undergraduate students in the Animal Sciences, and beef and dairy industry managers, a course focused on the management and prevention of Bovine Respiratory Disease. This complex, multi-factorial disease is the most costly and second most costly of diseases in the US beef and dairy industries, respectively. As such this course is designed to meet the needs of both groups by providing an in-depth study of BRD, the factors contributing to the disease, the economic consequences of morbidity and mortality, and the managerial options for reduction in incidence. This course will meet the needs of Animal Sciences undergraduate students and that of beef and feedlot managers wanting to further their education.

[ANEQ 532](#)    **ANEQ 532 Genetics of Bovine Respiratory Disease 1(1-0-0) S**    Spring 2017

**Prerequisite:** ANEQ 531.

**Restriction:** Senior standing.

**Registration Information:** Written consent of instructor. This is a partial semester course.

**Description:** Quantitative and molecular perspectives on the genetics of susceptibility to bovine respiratory disease (BRD); genetic improvement in BRD susceptibility.

**Grade Mode:** Traditional.

**Reason for Request:**

This course (one of two) was developed under a USDA-NIFA Coordinated Agricultural Project Grant, the "Integrated Program for Reducing Bovine Respiratory Disease Complex (BRDC) in Beef and Dairy Cattle" Grant no. 2011-68004-30367, (in its final year of funding; www.brdcomplex.org) to provide undergraduate students in the Animal Sciences, and beef and dairy industry managers, a course focused on the management and prevention of Bovine Respiratory Disease. This complex, multi-factorial disease is the most costly and second most costly of diseases in the US beef and dairy industries, respectively. As such this course is designed to meet the needs of both groups by providing an in-depth study of the genetics associated with BRD incidence. This course has been made possible given advances in genomic technologies and a number of developments resulting from this grant including advanced phenotyping for BRD, high density single-nucleotide polymorphism "gene chips", and a growing population of beef and dairy bulls with complete genomic sequence data.

This course will meet the needs of Animal Sciences undergraduate students and that of beef and feedlot managers wanting to further their education by introducing a new perspective on reducing incidence of an infectious disease.

[ANEQ 533](#)      **ANEQ 533 Marker and Gene Assisted Selection 1(1-0-0) S**      Spring 2017

**Prerequisite:** ANEQ 535 or ANEQ 575.

**Restriction:** Must be a: Graduate.

**Registration Information:** Written consent of instructor. This is a partial semester course. Credit not allowed for both ANEQ 533 and ANEQ 580A3.

**Description:** Approaches to including DNA marker and gene information into livestock selection decisions to improve accuracy and rate of genetic improvement.

**Grade Mode:** Traditional.

**Reason for Request:**

This field of genomics applied to livestock production is rapidly changing as new bio-technologies are developed and as statistical methodologies follow to analyze the vast amounts of information becoming available from new DNA technologies (e.g. single nucleotide polymorphism chips, genome sequencing) related to livestock genomes and increased depth of livestock phenotyping. This material is not currently covered in the Animal Sciences curriculum. This course is designed for graduate students.

This course was developed through support of two USDA-NIFA Higher Education Challenge Grants program leveraging expertise at CSU, Virginia Tech, North Carolina State, Iowa State, Kansas State Universities and the University of Nebraska to satisfy a growing need for the education of graduate students in the area of animal breeding and genetics. At many land grant institutions, faculty numbers in animal breeding and genetics are shrinking making it difficult to educate graduate students in this area. The goal of these grants was to develop a sustainable system to offer courses that would enable small-sized programs to continue to educate graduate students and meet employment needs in the area. Beyond educating CSU graduate students, this course was also designed to meet one component of that educational need and to build expertise in this field of study. This course is online, available to students globally, and is required for those students enrolled in the Quantitative Genetics and Genomics program offered through AG\*IDEA (<http://www.agidea.org/programs/gen/>)--an affiliation of 19 universities. The addition of this course has no bearing on any other course offered through the Department of Animal Sciences, but expands material offered to CSU Animal Science Graduate Students. As these courses are designed for Master's level graduate students, we also use the interaction with students at a multitude of institutions to recruit for our PhD level graduate program. This is a required course in the Ag\*Idea Quantitative Genetics Program.

[HORT 579](#)      **HORT 579 Metabolomics 1(1-0-0) S**      Spring 2017

**Prerequisite:** None.

**Restriction:** Must be a: Graduate.

**Registration Information:** None.

**Description:** Experimental designs and workflows to generate, computationally process and analyze metabolite data. Methods to detect small molecules and proteins using mass spectrometry, and cover processing and interpretation of chemical data for metabolomics and proteomics studies. Course format includes lecture, computer lab, literature review, and student presentations.

**Grade Mode:** Traditional.

**Reason for Request:**

The proposed course content would meet the educational requirements for graduate students in several Departments and Colleges across campus. There is considerable interest by students and faculty to offer this course content at CSU, including for students in Horticulture and for interdisciplinary programs such as Generating, Analyzing, and Understanding Sensory and Sequencing Information (GAUSSI) and the Professional Science Master's program in Biology.

**College of Engineering**

[CIVE 508](#)     **CIVE 508 Bridge Engineering 3(3-0-0) S**     Spring 2017

**Prerequisite:** CIVE 367.

**Restriction:** None.

**Registration Information:** None.

**Description:** Introduces the fundamentals of bridge engineering, including bridge basics, bridge loads, bridge analysis and bridge design.

**Grade Mode:** S/U Sat/Unsat Only.

**Reason for Request:** Bridge engineering is a key part of structural engineering and is offered in most programs in the country. CSU also needs this coverage for Civil Engineering students.

[MECH 515](#)     **MECH 215 Advanced Topics in Mechanical Vibrations 3(2-1-0) F**     Spring 2017

**Prerequisite:** MECH 324.

**Restriction:** Junior standing.

**Registration Information:** Must register for lecture and laboratory.

**Description:** Structural modal analysis, rotordynamics, and torsional vibrations. Lectures are supported with practical application labs.

**Grade Mode:** Traditional.

**Reason for Request:** Understanding the study of vibrations is becoming an increasingly crucial in the field of Mechanical Engineering. Faculty, employers, and students have expressed the need for an advanced course that focuses on this topic in order to produce students who are ready and able to succeed as leaders in the workforce.

**College of Liberal Arts**

[ART 4](#)     **ART 480 BFA Portfolio 1(1-0-0) F, S**     Spring 2017

**Prerequisite:** None.

**Restriction:** Senior standing.

**Registration Information:** Written consent of instructor. This is a partial semester course.

**Description:** Effectively submit capstone work to the University's Digital Repository and a Juried BFA Exhibition while teaching best practices for managing and sharing work after graduation.

**Grade Mode:** Traditional.

**Reason for Request:** All BFA students should graduate understanding how to document, manage, describe, and share their work. This course also ensures the department has standardized and consistent approach for BFA submission and tracking, which will aide with assessment.

[HIST 292](#)     **HIST 292 Approaches to History 3(0-0-3) F, S**     Spring 2017

**Prerequisite:** None.

**Restriction:** None.

**Registration Information:** None.

**Description:** Introduces students to professional historical skills including research methods, citation, and writing via intensive investigation of a historical time period or theme. Topic varies by instructor.

**Grade Mode:** Traditional.

[AUCC 3D: Historical Perspectives]

**Reason for Request:** Meets needs of history and other students who need more lower-level instruction in basic historical skills before taking upper-division history courses.

**Warner College of Natural Resources**

[NRRT 530](#)     **NRRT 530 Insight into the Adventure Tourism Industry 2(2-0-0) F, S**     Fall 2017

**Prerequisite:** None.

**Restriction:** Must be a: Graduate, Professional.

**Registration Information:** This is a partial semester course. Offered as an online course only.

**Description:** Definitions of adventure tourism, and relevant leisure, outdoor education, and tourism theories and frameworks are discussed and critically examined. Key stakeholders are identified, along with current and future trends, opportunities, and challenges. The need for sustainable practices and cross-cultural understanding and communication within adventure tourism is also emphasized.

**Grade Mode:** Traditional.

**Reason for Request:** This course is proposed as a required course for the new Graduate Certificate in Adventure Tourism, and as a directed elective for the Master of Tourism Management program.

The focus of this course is to provide a holistic overview of the adventure tourism industry by examining its growth and potential, challenges and opportunities, potential markets, and key areas for future consideration.

It is designed to cater to both industry professionals already employed within the adventure tourism industry, as well as those who are interested in entering into the adventure tourism industry.

[NRRT 532](#)      **NRRT 532 Leading the Adventure Tourism Experience 2(2-0-0) S**      Fall 2017

**Prerequisite:** NRRT 530.

**Restriction:** Must be a: Graduate, Professional.

**Registration Information:** This is a partial semester course. Offered as an online course only.

**Description:** Skills and knowledge to successfully plan and lead an adventure tourism experience. Focus is given to leadership and facilitation strategies, guiding standards and best practices, and the importance of environmental and cultural education and interpretation for guests. This is in addition to quality programming and logistics, ensuring guest safety through risk mitigation, emergency planning and crisis management, public relations, and guest management.

**Grade Mode:** Traditional.

**Reason for Request:** This course is proposed as a required course in the new Graduate Certificate in Adventure Tourism, and as a directed elective for the Master of Tourism Management program. This course is designed to provide both industry professionals and those seeking employment within the adventure tourism industry with the necessary know-how to successfully plan and lead adventure tourism experiences.

[NRRT 533](#)      **NRRT 533 Adventure Tourism Policy and Planning 2(2-0-0) S**      Fall 2017

**Prerequisite:** NRRT 530.

**Restriction:** Must be a: Graduate, Professional.

**Registration Information:** This is a partial semester course. Offered as an online course only.

**Description:** Key stakeholders and policies that influence the adventure tourism industry. This involves a detailed examination of adventure tourism standards and regulations, in addition to broader government policies that influence the environment within which the adventure tourism industry is situated. As many adventure tourism ventures operate on public lands, the role of public land agencies and their relationships with adventure tourism operators are also closely examined.

**Grade Mode:** Traditional.

**Reason for Request:** This course is proposed as a required course in the new Graduate Certificate in Adventure Tourism, and as a directed elective in the Master of Tourism Management program. This course is designed to provide both industry professionals and those seeking employment within the adventure tourism industry with a thorough understanding of the key stakeholders and policies that influence the adventure tourism industry, and the role of public land agencies and their relationships with adventure tourism operators.

[NRRT 534](#)      **NRRT 534 Applications in the Outdoor Products Industry 2(2-0-0) S**      Fall 2017

**Prerequisite:** NRRT 530.

**Restriction:** Must be a: Graduate, Professional.

**Registration Information:** This is a partial semester course. Offered as an online course only.

**Description:** Outdoor products industry and the various steps involved in developing an outdoor product and bringing it to market. Focus is placed on identifying and understanding the outdoor products consumer, product development processes, product aesthetics and functionality, the unique characteristics of branding, selling, and distributing outdoor products, current and future trends, and the diverse career opportunities that exist within the outdoor products industry.

**Grade Mode:** Traditional.

**Reason for Request:** This course is proposed as a required course in the new Graduate Certificate in Adventure Tourism, and as a directed elective for the Master of Tourism Management program. This course is designed to provide both industry professionals and those seeking employment within the adventure tourism industry with an understanding of the outdoor products industry and the various steps involved in developing an outdoor product and bringing it to market.



**Intra-University**

**GES 330**      **GES 330 Sustainability in Practice 1(1-0-0) S**      Spring 2017  
**Prerequisite:** GES 101 or GES 130.  
**Restriction:** Must be a: Undergraduate.  
**Registration Information:** Must have concurrent registration in GES 331.  
**Description:** Engages students in real-world sustainability applications and empowers them to design and execute their own program or research project.  
**Grade Mode:** S/U Sat/Unsat Only.

**Reason for Request:** The course has been developed in conjunction with the EcoLeaders program in Housing and Dining. The program provides an extensive service learning and a practical implementation of sustainability that is taught in courses in a classroom setting. Students develop a deeper understanding of sustainability and importantly develop the skills required to implement sustainable goals. This course will fit into the Global Environmental Sustainability Minor as an option in the Skills category. The course has been offered for two semesters as an experimental course with success so the request is to convert it to a permanent course.

**GES 331**      **GES 331 Sustainability in Practice-Project Var[1-2] S**      Spring 2017  
**Prerequisite:** GES 101 or GES 130.  
**Restriction:** Must be a: Undergraduate.  
**Registration Information:** Must have concurrent registration in GES 330.  
**Description:** Engages students in real-world sustainability applications and empowers them to design and execute their own program or research project.  
**Grade Mode:** S/U Sat/Unsat Only.

**Reason for Request:** The course has been developed in conjunction with the EcoLeaders program in Housing and Dining. The program provides an extensive service learning and a practical implementation of sustainability that is taught in courses in a classroom setting. Students develop a deeper understanding of sustainability and importantly develop the skills required to implement sustainable goals. This course will fit into the Global Environmental Sustainability Minor as an option in the Skills category. The course has been offered for two semesters as an experimental course with success so the request is to convert it to a permanent course.

**Study Abroad Course**

**College of Liberal Arts**      **Effective Term**  
**ETST 182A**      **ETST 182A Study Abroad 1(0-0-1) S**      Spring 2017  
    [2<sup>nd</sup> Offering]  
**Prerequisite:** None.  
**Restriction:** None.  
**Registration Information:** None.  
**Description:** Spring break travel to Cuba. Lectures and guided tours by Cuban experts. Variable topics dealing with Cuban society, race, and gender issues.  
**Grade Mode:** Traditional.

**Reason for Request:** This is the second offering of ETST 182. It was first offered successfully in Spring 2016, providing a unique study abroad opportunity for students.

**Major Changes to Courses**

**Effective Term**

**College of Agricultural Sciences**

**SOCR 415**      **SOC 415 Pollinator Management in Agroecosystems ~~21~~(21-0-0) S**      Spring 2017  
**Prerequisite:** HORT 100 or SOCR 100.  
**Restriction:** Junior standing.  
**Registration Information:** ~~This is a partial-semester course.~~ Credit not allowed for both SOCR 415 and BSPM 415. Required field trips.  
**Description:** Fundamental concepts of pollinator **biology and** management, sustainable crop-pollinator interactions, **regional and** global issues on pollinator **management and conservation, best management practices for commercially managed pollinators. conservation.**  
**Grade Mode:** Traditional.

**Reason for Request:** To get the most out of the course, it is imperative that students learn pollinator biology and management. Previously the 1 credit course addressed only management without discussing the basic biology of bees and plants. The proposed change is to request course credit to be increased to 2 and add course learning material. Specifically, the initial part of the course will allow students to become familiar with detailed bee biology and refresh their knowledge of plant reproductive biology. As of now there is no course that teaches students the details of bee biology. Without a good knowledge about the biology of the organism it is difficult to learn how to best manage bees for crop and honey production.

### *College of Engineering*

[CIVE 260](#)      **CIVE 260 Engineering Mechanics-Statics 3(3-0-0) F, S, SS**      Spring 2017

**Prerequisite:** [MATH 159](#) or MATH 160; PH 141 ~~or concurrent registration.~~

**Restriction:** [College of Engineering majors only.](#)

**Registration Information:** Sections may be offered: Online.

**Description:** Forces using vector notation; static equilibrium of rigid bodies; friction, virtual work, centroids, and moments of inertia.

**Grade Mode:** ~~Student Option~~ [Traditional.](#)

**Reason for Request:** PH 141 used to be a prereq; after several years of it being allowed as a co-req, we find students are much more prepared and are more successful in CIVE 260 if they have had PH 141 prior. MATH 159 is an acceptable prerequisite instead of MATH 160.

[CIVE 556](#)      **CIVE 556 [Slope Stability](#), Seepage, and Earth Dams 3(3-0-0) S**      Spring 2017

**Offering Year:** ~~Even~~ [Odd](#)

**Prerequisite:** CIVE 355.

**Restriction:** None.

**Registration Information:** Sections may be offered: Online.

**Description:** [Slope stability](#), ~~Hydraulic conductivity measurements~~; seepage analysis and control; and earth dam and embankment design; ~~computer applications.~~ [in Geotechnical Engineering practice.](#) [Students will gain an understanding of the theory, design, and analysis necessary to evaluate slope stability, seepage, and earth dam problems.](#)

**Grade Mode:** ~~Student Option~~ [Traditional](#)

**Reason for Request:** CIVE 556 is being modified to include a slope stability component to the overall content. The concept of seepage is fundamental to slope stability as water movement and changes in groundwater conditions are critical assessments to consider in slope stability evaluations.

### *College of Health and Human Sciences*

[HES 487](#)      **HES 487 Internship ~~1215~~ (0-0-~~3640~~) F, S, SS**      Fall 2017

**Prerequisite:** [None.](#) ~~HES 145 with a C or better; HES 207 with a C or better; HES 486B; BMS 300 with a C or better; FSHN 150 with a C or better.~~

**Restriction:** Junior standing.

**Registration Information:** Must be a: Undergraduate.

**Description:** Practical application of knowledge, skills, and [leadership](#) in a professional situation.

**Grade Mode:** ~~Instructor Option~~ [Traditional.](#)

**Reason for Request:** The current 15 credit Health and Exercise Science internship requires significantly greater hours than other peer institutions and exceeds typical timelines for many community sites. In addition, by reducing the credits from 15 to 12, it will allow students enrolled in the summer session to complete the internship requirements on time, rather than extending their hours into the fall semester. It is our belief that this reduction in credits will not limit the student's professional development, as each health promotion student enrolls in two practicums prior to the internship giving them 100 hours of professional development experience. Therefore, all graduating Health and Exercise Science Health Promotion students will have a minimum of 640 hours of professional development experience.

[RRM 350](#)      **RM 350 Hospitality Marketing ~~Restaurant and Resort Marketing~~ 3(3-0-0) F**      Fall 2017

**Prerequisite:** RRM 101.

**Restriction:** None.

**Registration Information:** None.

**Description:** Operations marketing, including consumer behaviors, marketing strategies, and marketing plans in the hospitality industry. ~~Restaurant and resort operations marketing, including planning, promotion, and special industry considerations.~~

**Grade Mode:** Traditional.

**Reason for Request:** The course title change is requested to be consistent with the title of the major

(1) The Hospitality Management is the program name (formerly Restaurant and Resort Management); therefore, the course name change is necessary to clarify focus of the course for current and prospective students as well as campus personnel.

(2) The contents in Hospitality Marketing will cover more than restaurants and resorts marketing (originally named), including commercial hotels, cruises, and event planning. Therefore, the course needs to be titled accordingly.

#### College of Liberal Arts

[HIST 100](#)      **HIST 100 Western Civilization, Pre-Modern 3(3-0-0) F, S, SS**      Summer 2017

**Prerequisite:** None.

**Restriction:** None.

**Registration Information:** Sections may be offered: Online.

**Description:** Historical development of Western civilization from antiquity to the early modern era (c. 1600 C.E.).

**Grade Mode:** Traditional.

**Reason for Request:** HIST100 online will allow students access to college history courses who are unable to attend class in a traditional university setting. Many students are constrained by family circumstances, employment, or physical location. Students in military, rural or global settings may find it impossible to attend classes on campus. Individuals with disabilities can more easily access online courses

[POLS 422](#)      **POLS 422 Democratic Theory 3(3-0-0) F, S, SS**      Spring 2017

**Prerequisite:** POLS 101.

**Restriction:** Junior standing.

**Registration Information:** Junior standing. ~~POLS 101; completion of AUCC category 2.~~

**Description:** Competing approaches to the theory and practice of democracy, both locally and globally.

**Grade Mode:** Traditional.

**Reason for Request:** The current prerequisite prevents students from taking the course early enough to prepare them to participate in the Center for Political Deliberation and helps them understand the role of democracy when they take American and comparative politics courses.



University Curriculum Committee  
 September 16, 2016  
**CONSENT AGENDA**

**Course Drops**

	<b>Course Title</b>	<b>Requested Change</b>	<b>Effective Term</b>
<a href="#">ACT 430</a>	Income Tax Accounting	Drop	Spring 2017
<a href="#">ACT 431</a>	Corporate Taxation	Drop	Spring 2017
<a href="#">CBE 102</a>	Chemical and Biological Engineering II	Drop	Spring 2017
<a href="#">MECH 302</a>	Engineering Design III	Drop	Spring 2017
<a href="#">MECH 721</a>	Special Topics in Design and Manufacturing	Drop	Spring 2017
<a href="#">MECH 729</a>	Special Topics in Mechanics and Materials	Drop	Spring 2017

**Minor Changes to Courses**

	<b>Course Title</b>	<b>Requested Change</b>	<b>Effective Term</b>
<a href="#">ANEQ 441</a>	Integrated Equine Science	<b>Prerequisite:</b> <u>Completion of any three:</u> ANEQ 334, ANEQ 345, ANEQ 346 <u>and</u> ANEQ 344. <b>Restrictions:</b> Junior standing.	Spring 2017
<b>Reason for Request:</b>	Allow students more opportunities to enroll in this course.		
<a href="#">CBE 332</a>	Heat and Mass Transfer Fundamentals	<b>Prerequisite:</b> CBE 330 with a minimum grade of C and CBE 331 with a minimum grade of C <del>and CBE 310 with a minimum grade of C.</del>	Spring 2017
<b>Reason for Request:</b>	Removed unnecessary prerequisite.		
<a href="#">CBE 333</a>	Chemical and Biological Engineering Lab I	<b>Prerequisite:</b> CBE 332, <del>may be taken concurrently.</del>	Spring 2017
<b>Reason for Request:</b>	The wording of the prerequisite is now obsolete. It's impossible for this lab course to be taken concurrently with CBE 332.		
<a href="#">CBE 443</a>	Chemical and Biological Engineering Lab II	<b>Prerequisite:</b> CBE 442, <del>may be taken concurrently or ENVE 442, may be taken concurrently.</del>	Spring 2017
<b>Reason for Request:</b>	Due to a change in the curriculum, it is impossible for this course to be taken concurrently with CBE 442 or ENVE 442.		
<a href="#">ESS 545</a>	Applications in Greenhouse Gas Inventories	<b>Prerequisite:</b> ESS 524; <u>STAT 511.</u>	Spring 2017
<b>Reason for Request:</b>	ESS 545 includes several laboratory modules in which the students must apply statistical methods in order to estimate GHG emissions. STAT 511 provides the students with the background on statistical methods that is needed for these applications in the ESS 545 curriculum. STAT 511 is a required course for the MGMA degree, and so this does not place an additional burden on the students.		

<a href="#">JTC 465</a>	Specialized and Technical Editing	<b>Prerequisite:</b> <del>(JTC 210, JTC 300 or LB 300); JTC 211; JTC 461 or JTC 464 and (JTC 211) and (JTC 326 or JTC 335 or 341 or 342 or JTC 351 or JTC 361 or JTC 371 or JTC 372) and JTC 464).</del>	Spring 2017
<b>Reason for Request:</b>	To change the prereqs to allow more students to take the course.		
<a href="#">MECH 200</a>	Introduction to Manufacturing Processes	<b>Offering Term:</b> Fall, <a href="#">Spring</a> <b>Prerequisite:</b> <a href="#">MECH105</a>	Spring 2017
<b>Reason for Request:</b>	Numerical methods and mathematical analysis are critical components in designing, dimensioning, tolerancing, and creating machinery and mechanical components; the core concepts taught in MECH200, Introduction to Manufacturing Processes. These requisite numerical methods and mathematical problem solving skills are the fundamental principles of the MECH105 Mechanical Engineering Problem Solving course and students must have a strong background in these techniques prior to taking MECH200, which utilizes mathematical concepts within lecture materials and laboratory projects. Additionally, the computational programming skills developed in MECH105 are further developed in the computer-aided machining processes introduced in MECH200.		
<a href="#">MECH 425</a>	Mechanical Engineering Vibrations	<b>Offering Term:</b> <del>Fall</del> <a href="#">Spring</a>	Spring 2017
<b>Reason for Request:</b>	Request to switch offering from spring to fall term every year. Offering this course in the fall term will allow for more flexibility in student schedules and allow student to complete degree requirements in a more effective manner--this change will not pose a problem to students currently enrolled.		
<a href="#">MECH 575</a>	Solar and Alternative Energies	<b>Offering Term:</b> <del>Fall</del> , <a href="#">Spring</a>	Spring 2017
<b>Reason for Request:</b>	Request to switch offering from fall to spring term. Many of the required Mechanical Engineering core courses are offered in the fall term, leaving little room for elective coursework in the fall. As MECH 575 serves as an elective within the graduate degree program, offering this course in the spring, rather than in the fall, will allow for more students enroll in the course.		
<a href="#">NR 444</a>	Fire Economics and Policy	<b>Offering Term:</b> <del>Fall</del> <a href="#">Spring</a>	Fall 2017
<b>Reason for Request:</b>	Improve student access for undergraduate students and for graduate students in the MNRS degree program.		