

UNIVERSITY CURRICULUM COMMITTEE AGENDA
2:00 p.m., Friday, November 4, 2016
106 Administration, Provost Conference Room

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

MINUTES – Minutes of October 28, 2016

ANNOUNCEMENTS

1. Faculty Council approved UCC minutes of 9/23, 9/30, 10/7 and 10/14 at their November 1st meeting.
2. The Council of Deans reviewed a proposal for a Plan C masters: Masters of Addiction Counseling from the Department of Psychology. They were positive to the proposal. CoSRGE will consider it on 11/3/16. The Committee on Strategic and Financial Planning has reviewed it – given an OK, but have 4 points which have not been clarified to date.
3. **CURRICULUM DEADLINES REMINDER:** 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.

Spring 2017 Experimental Courses: 12/1/16

Fall 2017 Course proposals: 1/13/17

- New courses, major and minor changes to courses, and course drops

Fall 2017 Program proposals: 1/13/17

- Changes to existing undergraduate or graduate programs
- Adding/dropping Concentrations or Specializations
- Proposals to add NEW: Minors, Interdisciplinary Minors, Undergraduate Certificates, and GISPs

Spring 2018 New Degrees: 1/13/17

- New Major, Masters, and PhDs

Spring 2018 New Graduate Certificates: 1/17/17

CONSENT AGENDA

See listing after New Business.

CIM Considerations

CIM Forms
CIM Processes
CIM Help Bubble

PENDING CoSRGE

New Program Proposals:

- [Master of Science in Ecosystem Sustainability, Plan A](#)
- [Master of Addiction Counseling, Plan C \(M.A.C.\)](#)
- [Ph.D. in Anthropology](#)
- [Ph.D. in Ecosystem Sustainability](#)
- [Graduate Certificate in Adventure Tourism](#)
- [Graduate Certificate in High Impact On-Demand Solutions](#)

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](#) – See document after the Consent Agenda

OLD BUSINESS

New Courses

Effective Term

Liberal Arts

[ART 327](#) **ART 327 Issues in Art Education and the Public 4(4-0-0) SS** Summer 2017

Prerequisite: None.

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

Description: Introduce students to the concepts relating to Art Education in contemporary society.

Grade Mode: Traditional.

Reason for Request:

There is a need for a flexible upper division art elective course offered in the summer for students unable to complete all requirements during the regular school year. The online course offers the most flexibility and makes this option available to students not staying in Colorado over the summer. The content is desirable to give students a broad view of art in the context of community education. The course also offers a flexible and relevant course option for public school teachers seeking re-licensure credits.

[GR 592](#) **GR 592 Special Topics in Geography 3(0-0-3) As Needed** Fall 2017

Prerequisite: None.

Registration Information: Junior standing. Written consent of instructor.

Description: Recent papers from the literature will be used to foster discussion among participants.

Grade Mode: Traditional.

Reason for Request:

The Geography program at CSU is expanding (goal is to start a major in Fall 2017). Geography faculty within the Department of Anthropology are proposing this as a seminar course that can rotate among them, focusing on a different topic each time the course is taught. Advanced undergrads would be given the opportunity to take this course along with graduate students.

Warner College of Natural Resources

[NRRT 541](#) **NRRT 541 Overview & Trends of Agritourism Management 2(2-0-0) F** Fall 2017

Prerequisite: None.

Registration Information: Graduate or Professional standing. This is a partial semester course. Offered as an online course only.

Description: Agritourism sector concepts and emerging business opportunities. Identify and assess agritourism sector data describing industry supply and demand attributes and examine key distinguishing aspects of agritourism enterprise. Regulatory frameworks and policy, community and economic development dimensions, and review case studies specific to new agritourism oriented opportunities

Grade Mode: Traditional.

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

[NRRT 542](#) **NRRT 542 Spatial & Community Dimensions of Agritourism 2(2-0-0) S** Fall 2017

Prerequisite: NRRT 541.

Registration Information: Graduate or Professional standing. This is a partial semester course. Offered as an online course only.

Description: Advanced analysis methodology and the use of data in enterprise valuation, market analysis and the assessment of the agritourism sector. Distinguishing aspects of agritourism supply and economic development dimensions that target tourism demand enhancement. Creative market assessment methods are employed to illustrate concepts and analysis, including spatial, economic impact and trip evaluation techniques.

Grade Mode: Traditional.

Reason for Request: This course is proposed as a required course for the new Graduate Certificate in Agritourism Management, 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 agritourism industry with an understanding of the agritourism products and the various steps involved in developing and agritourism product and bringing it to the market.

[NRRT 548](#) **NRRT 548 Agritourism Enterprise Management 2(2-0-0) S** Fall 2017

Prerequisite: NRRT 541.

Registration Information: Graduate or Professional standing. This is a partial semester course. Offered as an online course only.

Description: Examines the role of agritourism in the agricultural economy and provides students with frameworks to identify and assess opportunities for agritourism development. Focusing on determinants of business success and the role and importance of comprehensive business planning. Students will develop and present a comprehensive business plan for a prototype agritourism business as a requirement of this course.

Grade Mode: Traditional.

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

Intra-University

[PBHL 692A](#) **PBHL 692A Seminar: Animals, People, and the Environment Public Health** Summer 2017
(major change) ~~Seminar~~–Var[1-6] F, S, SS

Prerequisite: None.

Restriction: Must be a: Graduate, ~~Graduate cooperative program~~, Professional.

Registration Information: Graduate standing. May be taken for credit up to 3 times; maximum of 9 credits allowed in ~~PBHL 692A-692G~~ course.

Description: Current public health issues related to interactions among people, animals, and our environment. ~~Seminars pertaining to current public health issues. Topics may vary.~~

Grade Mode: Traditional.

Reason for Request: We were informed by curriculum and catalog staff that our previous numerical section structure was not in alignment with current curricular preferences. This request serves to bring our public health seminar course/catalog structure in line with current CSU practice of having letter sections with set subtopic headings.

- [PBHL 692B](#) **PBHL 692B Seminar: Epidemiology in Public Health Var[1-6] F, S, SS** Summer 2017
Prerequisite: None.
Registration Information: Graduate standing. May be taken for credit up to 3 times; maximum of 9 credits allowed in PBHL 692A-692G.
Description: Current epidemiological public health issues.
Grade Mode: Traditional.
Reason for Request: We were informed by curriculum and catalog staff that our previous numerical section structure was not in alignment with current curricular preferences. This request serves to bring our public health seminar course/catalog structure in line with current CSU practice of having letter sections with set subtopic headings.
- [PBHL 692C](#) **PBHL 692C Seminar: Global Health & Health Disparities Var[1-6] F, S, SS** Summer 2017
Prerequisite: None.
Registration Information: Graduate standing. May be taken for credit up to 3 times; maximum of 9 credits allowed in PBHL 692A-692G.
Description: Current public health issues concerning disparate populations and global health trends.
Grade Mode: Traditional.
Reason for Request: We were informed by curriculum and catalog staff that our previous numerical section structure was not in alignment with current curricular preferences. This request serves to bring our public health seminar course/catalog structure in line with current CSU practice of having letter sections with set subtopic headings.
- [PBHL 692D](#) **PBHL 692D Seminar: Health Communication Var[1-6] F, S, SS** Summer 2017
Prerequisite: None.
Registration Information: Graduate standing. May be taken for credit up to 3 times; maximum of 9 credits allowed in PBHL 692A-692G.
Description: Current issues and trends in health communication.
Grade Mode: Traditional.
Reason for Request: We were informed by curriculum and catalog staff that our previous numerical section structure was not in alignment with current curricular preferences. This request serves to bring our public health seminar course/catalog structure in line with current CSU practice of having letter sections with set subtopic headings.
- [PBHL 692E](#) **PBHL 692E Seminar: Physical Activity & Healthy Lifestyles Var[1-6] F, S, SS** Summer 2017
Prerequisite: None.
Registration Information: Graduate standing. May be taken for credit up to 3 times; maximum of 9 credits allowed in PBHL 692A-692G.
Description: Current public health issues concerning exercise, the built environment, and health promotion.
Grade Mode: Traditional.
Reason for Request: We were informed by curriculum and catalog staff that our previous numerical section structure was not in alignment with current curricular preferences. This request serves to bring our public health seminar course/catalog structure in line with current CSU practice of having letter sections with set subtopic headings.
- [PBHL 692F](#) **PBHL 692F Seminar: Public Health Nutrition Var[1-6] F, S, SS** Summer 2017
Prerequisite: None.
Registration Information: Graduate standing. May be taken for credit up to 3 times; maximum of 9 credits allowed in PBHL 692A-692G.
Description: Current issues and trends concerning the impact of nutrition on public health.
Grade Mode: Traditional.
Reason for Request: We were informed by curriculum and catalog staff that our previous numerical section structure was not in alignment with current curricular preferences. This request serves to bring our public health seminar course/catalog structure in line with current CSU practice of having letter sections with set subtopic headings.

[PBHL 692G](#) **PBHL 692G Seminar: Public Health Var[1-6] F, S, SS** Summer 2017

Prerequisite: None.

Registration Information: Graduate standing. May be taken for credit up to 3 times; maximum of 9 credits allowed in PBHL 692A-692G.

Description: Current public health issues and trends

Grade Mode: Traditional.

Reason for Request: We were informed by curriculum and catalog staff that our previous numerical section structure was not in alignment with current curricular preferences. This request serves to bring our public health seminar course/catalog structure in line with current CSU practice of having letter sections with set subtopic headings.

Major Changes to Courses

Effective Term

College of Veterinary Medicine and Biomedical Sciences

[VM 745](#) **VM 745 Clinical Sciences I 5(5-0-0) S** Spring 2017

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Registration Information: Admission to ~~professional curriculum in veterinary medicine~~ [the Doctorate of Veterinary Medicine Program](#). All courses must be taken in prescribed sequence in the ~~PVM~~ [DVM](#) program. ~~This is a partial semester course.~~

Description: Diagnostic approaches to common medical problems of the [gastrointestinal tract \(including dentistry\), liver / pancreas, cardiovascular, urinary, and endocrine systems in small animal, food animal, and equine species are covered. digestive hepatic systems. A clinical reasoning process for approaching clinical problems is reviewed and reinforced.](#)

Grade Mode: Traditional.

Reason for Request: Current description of the body systems the course covers is incorrect.



New Graduate Certificates

Warner College of Natural Resources

Effective Fall 2017

Department of Fish/Wildlife/Conservation Biology

Graduate Certificate in Conservation Actions with Lands, Animals, and People

[Link to CIM](#)

Reason for Request: All courses in the Certificate have been approved at the 500 level for Online delivery through the curriculum review process at CSU and all content has been taught over time. The goal is to facilitate opportunities for persons who have baccalaureate degrees to fill gaps in timing, content, and outcomes of education. Types of audiences include persons who may eventually seek graduate degrees, established professionals in natural resources fields needing relevant continuing education, educated persons seeking career changes, and for persons outside of natural resources who desire and will benefit from courses that help with holistic understanding and actions toward their role in society and with land, animals, and people. A certificate helps to provide a thoughtfully managed and integrated link to education beyond the random selection of courses.

Additional coursework may be required due to prerequisites.

| Code | Title | Credits |
|--------------------------------|---|---------|
| Select a minimum of 3 courses: | | 9 |
| FW 556 | Leopold's Ethic for Wildlife and Land | |
| FW 557 | Wildlife Habitat Management on Private Land | |
| FW 576 | Wildlife Policy, Administration, and Law | |
| NR 501 | Leadership and Public Communications | |
| NR 515 | Natural Resources Policy and Biodiversity | |

| Code | Title | Credits |
|------------------------------|---------------------------------|----------|
| NR 535 | Action for Sustainable Behavior | |
| 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 BUSINESS

New Courses

Effective Term

College of Liberal Arts

[ART 120](#) ART 120 Digital Visual Fundamentals 3(3-0-0) F, S, SS

Fall 2017

Prerequisite: None.

Registration Information: None.

Description: Introduction to digital materials as a medium for making art.

Grade Mode: Traditional

Reason for Request: We are adding a digital foundations requirement to our core foundation courses to accommodate new developments in the world of art.

Major Changes to Courses

Effective Term

College of Liberal Arts

[ETST 531](#) ETST 531 ~~Latinx Latina/o~~ Politics in the U.S. 3(3-0-0) F, S, SS

Fall 2017

Prerequisite: None.

Registration Information: [Six credits of ETST graduate coursework.](#)

Description: Impact of ~~Latinx Latina/o~~ politics on the U.S. political system by examining ~~Latinx Latina/o~~ political mobilization patterns and behaviors.

Grade Mode: Traditional

Reason for Request: The binary term "Latina/o" is being changed to the non-gender-specific "Latinx" to reflect current usage in the discipline.



New Concentration

College of Natural Sciences

Effective Spring 2017

Department of Statistics

Major in Statistics, Mathematical Statistics Concentration

[Link to CIM](#)

Reason for Request: Students planning to go to graduate school will be more successful with a stronger theoretical background.

A minimum grade of C is required in each mathematics, statistics, and computer science course required for the major.

| FRESHMAN | | | |
|--------------------------|--|------|---------|
| | | AUCC | CREDITS |
| CO 150 | College Composition (GT-CO2) | 1A | 3 |
| MATH 160 | Calculus for Physical Scientists I (GT-MA1) | 1B | 4 |
| MATH 161 | Calculus for Physical Scientists II (GT-MA1) | 1B | 4 |

| | | | |
|---|---|----|-----------|
| <u>STAT 158</u> | Introduction to R Programming | | 1 |
| <u>STAT 315</u> | Statistics for Engineers and Scientists | | 3 |
| <u>Arts and Humanities</u> | | 3B | 3 |
| <u>Global and Cultural Awareness</u> | | 3E | 3 |
| <u>Historical Perspectives</u> | | 3D | 3 |
| Electives | | | 4 |
| Total Credits | | | 28 |

SOPHOMORE

| | | | |
|--|---|----|-----------|
| Select one course from the following: | | | 4 |
| <u>CS 163</u> | Java (CS1) No Prior Programming | | |
| <u>CS 164</u> | Java (CS1) Prior Programming | | |
| <u>JTC 300</u> | Professional and Technical Communication (GT-CO3) | 2 | 3 |
| <u>MATH 261</u> | Calculus for Physical Scientists III | | 4 |
| <u>MATH 369</u> | Linear Algebra I | | 3 |
| <u>STAT 341</u> | Statistical Data Analysis I | | 3 |
| <u>STAT 342</u> | Statistical Data Analysis II | | 3 |
| <u>Biological and Physical Sciences</u> | | 3A | 7 |
| Elective | | | 3 |
| Total Credits | | | 30 |

JUNIOR

| | | | |
|--|--|----|-----------|
| <u>MATH 317</u> | Advanced Calculus of One Variable | | 4 |
| <u>MATH 345</u> | Differential Equations | | 4 |
| <u>STAT 305</u> | Sampling Techniques | | 3 |
| <u>STAT 420</u> | Probability and Mathematical Statistics I | | 3 |
| <u>STAT 430</u> | Probability and Mathematical Statistics II | 4A | 3 |
| Select one course from the following: | | | 3 |
| <u>STAT 400</u> | Statistical Computing | | |
| <u>STAT 440</u> | Bayesian Data Analysis | | |
| <u>Arts and Humanities</u> | | 3B | 3 |
| <u>Social and Behavioral Sciences</u> | | 3C | 3 |
| Electives | | | 6 |
| Total Credits | | | 32 |

SENIOR

| | | | |
|--|--|--|---|
| <u>MATH 417</u> | Advanced Calculus I | | 3 |
| Select two courses from the following: | | | 6 |
| <u>MATH 430</u> | Fourier and Wavelet Analysis with Apps | | |
| <u>MATH 450</u> | Introduction to Numerical Analysis I | | |

| | | | |
|-------------------------------|---------------------------------------|----------------------|------------|
| <u>MATH 451</u> | Introduction to Numerical Analysis II | | |
| <u>MATH 469</u> | Linear Algebra II | | |
| <u>STAT 421</u> | Introduction to Stochastic Processes | | 3 |
| <u>STAT 460</u> | Applied Multivariate Analysis | | 3 |
| <u>STAT 472</u> | Statistical Consulting | 4A,4B,4C | 3 |
| Electives | | | 12 |
| | | Total Credits | 30 |
| Program Total Credits: | | | 120 |



Major Change to Existing Program

College of Natural Sciences

Department of Statistics

Major in Statistics, General Statistics Concentration

Effective Spring 2017

[Link to CIM](#)

Reason for Request: We are creating a mathematical statistics concentration; this is our old "statistics major."

Effective ~~Fall 2016~~ Spring 2017

A minimum grade of C is required in each mathematics, statistics, and computer science course required for the major.

| FRESHMAN | | | |
|---|---|----------------------|----------------|
| | | AUCC | CREDITS |
| <u>CO 150</u> | College Composition (GT-CO2) | 1A | 3 |
| <u>MATH 160</u> | Calculus for Physical Scientists I (GT-MA1) | 1B | 4 |
| <u>MATH 161</u> | Calculus for Physical Scientists II (GT-MA1) | 1B | 4 |
| <u>STAT 158</u> | Introduction to R Programming | | 1 |
| <u>STAT 315</u> | Statistics for Engineers and Scientists | | 3 |
| <u>Global and Cultural Awareness</u> | | 3E | 3 |
| <u>Historical Perspectives</u> | | 3D | 3 |
| Electives | | | 9 |
| | | Total Credits | 30 |
| SOPHOMORE | | | |
| <u>JTC 300</u> | Professional and Technical Communication (GT-CO3) | 2 | 3 |
| <u>MATH 261</u> | Calculus for Physical Scientists III | | 4 |
| <u>MATH 369</u> | Linear Algebra I | | 3 |
| <u>STAT 341</u> | Statistical Data Analysis I | | 3 |
| <u>STAT 342</u> | Statistical Data Analysis II | | 3 |
| Select one group from the following: | | | 4 |

| | | | |
|--|---|----------|------------|
| Group A: | | | |
| <u>CS 163</u> or <u>164</u> | Java (CS1) No Prior Programming Java (CS1) Prior Programming | | |
| Group B: | | | |
| <u>CS 155</u> | Introduction to Unix | | |
| <u>CS 156</u> | Introduction to C Programming I | | |
| In addition to <u>CS 155</u> and <u>CS 156</u> , select at least two of the following: | | | |
| <u>CS 157</u> | Introduction to C Programming II | | |
| <u>CS 158/MATH 158</u> | Mathematical Algorithms in C | | |
| <u>MATH 151</u> | Mathematical Algorithms in Matlab I | | |
| <u>MATH 152</u> | Mathematical Algorithms in Maple | | |
| <u>Biological and Physical Sciences</u> | | 3A | 7 |
| Electives | | | 3 |
| Total Credits | | | 30 |
| JUNIOR | | | |
| <u>MATH 317</u> | Advanced Calculus of One Variable | | 4 |
| <u>STAT 358</u> | Introduction to Statistical Computing in SAS | | 2 |
| <u>STAT 420</u> | Probability and Mathematical Statistics I | | 3 |
| <u>STAT 430</u> | Probability and Mathematical Statistics II | 4A | 3 |
| Select one course from the following: | | | 3 |
| <u>STAT 400</u> | Statistical Computing | | |
| <u>STAT 440</u> | Bayesian Data Analysis | | |
| Select one course from the following: | | | 3 |
| <u>STAT 305</u> | Sampling Techniques | | |
| <u>STAT 460</u> | Applied Multivariate Analysis | | |
| <u>Arts and Humanities</u> | | 3B | 6 |
| <u>Social and Behavioral Sciences</u> | | 3C | 3 |
| Upper-Division CS/MATH/STAT Electives ¹ | | | 3 |
| Total Credits | | | 30 |
| SENIOR | | | |
| <u>STAT 472</u> | Statistical Consulting | 4A,4B,4C | 3 |
| Upper-Division CS/MATH/STAT Elective ¹ | | | 3 |
| Electives ² | | | 24 |
| Total Credits | | | 30 |
| Program Total Credits: | | | 120 |

¹ Select upper-division (300- to 400-level) computer science, mathematics, or statistics courses (excluding courses ending in -82 to -99).

² Select enough elective credits to bring the program total to a minimum of 120 credits, of which at least 42 must be upper-division (300- to 400-level).



University Curriculum Committee
November 4, 2016
CONSENT AGENDA

Minor Changes to Courses

| | Course Title | Requested Change | Effective Term |
|-------------------------|------------------------------|--|-----------------------|
| ECE 526 | Biological Physics | Offering Term: E , S | Fall 2017 |
| ECE 565 | Electrical Power Engineering | Offering Term: E , S | Fall 2017 |