

UNIVERSITY CURRICULUM COMMITTEE AGENDA
2:00 p.m., Friday, February 17, 2017
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 February 10, 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 Nutrition for Health Promotion](#)
- [Master of Music, Music Education, Composition Emphasis](#)

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. **New Subject Code Request Memo: DSCI** (See memo following Consent Agenda – page 17)
3. **Discussion Item: Prerequisite Language** (See information following Consent Agenda – page 13)

OLD BUSINESS

<i>New Courses</i>		<i>Effective Term</i>	<i>Notations</i>
COLLEGE OF LIBERAL ARTS			
ART 320	ART 320 Global Encounters in Art 3(3-0-0) As Needed Prerequisite: None. Registration Information: Sophomore standing. Description: Comparative topics in global art. Grade Mode: Traditional	Fall 2017	<i>General Elective</i> <i>(Request for AUCC 3B designation has been removed; ART 212 has been added as a prerequisite)</i>
Reason for Request:	The course fulfills a curricular need within the Department of Art and Art History for comparative study of art across geographic regions, while meeting a need for a CSU course that can be offered for credit on Semester at Sea voyages. It also suits the global scope of the art collection at the Gregory Allicar Museum of Art, which will be a major resource for student research and course activities.		
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. 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	<i>General Elective</i> Initial UCC Review: <i>Need to wait for prerequisite course to be approved</i>
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.		
COLLEGE OF VETERINARY MEDICINE AND BIOMEDICAL SCIENCES			
VS 665B	VS 665B Advanced Topics in Veterinary Cardiology: Heart Failure and Cardiac Biomarkers 2(2-0-0) F Offering Year: Every Third Year Prerequisite: BMS 420. Restriction: Must be a: Graduate, Professional. Registration Information: DVM degree or equivalent professional medicine degree required, or by instructor permission Description: Second in a series of graduate level topical courses. The intent of the series is to highlight the pathobiology, advanced diagnostics, and treatment strategies for animals and humans with spontaneous cardiovascular disease. A) Cardiopulmonary Pathophysiology B) Heart Failure & Cardiac Biomarkers C) Cardiac Catheterization & Hemodynamics D) Electrophysiology & ECG Interpretation E) Cardiac Imaging F) Congenital Heart Disease Grade Mode: Traditional	Fall 2017	<i>General Elective</i> Initial UCC Review: <i>Requested description be updated to removed references to subtopics</i>

Reason for Request: Current graduate courses in the department provide a cursory overview of cardiovascular medicine targeted toward general medicine/surgery residents and graduate students. Residents and graduate students with a focus in cardiology require more in-depth and targeted syllabi on unique aspects of comparative cardiovascular medicine. This course series will provide a high level analysis and advanced training in basic and clinically relevant aspects of cardiovascular medicine, an area which is lacking in the current graduate curriculum.

Major Changes to Courses		Effective Term	Notations
COLLEGE OF LIBERAL ARTS			
ART 492A	<p>ART 492A Seminar: Art History 3(3-0-0) <u>As Needed F, S, SS</u></p> <p>Prerequisite: ART 212. Registration Information: None. Description: <u>Topical studies in Art History.</u> Grade Mode: <u>Traditional Instructor-Option</u> [proposed new <u>AUCC 4A: Using Competencies & AUCC 4B: Building Upon Foundations and Perspectives</u> 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)]</p>	Fall 2017	<p>Proposed new: AUCC 4A & 4B</p> <p>(Course Content and Assessment Component fields have been updated)</p>
Reason for Request:	The seminar 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 seminars.		
ART 496H	<p>ART 496H Group Study: Art History 31-4(30-0-0) <u>As Needed F, S, SS</u></p> <p>Prerequisite: ART 212. Registration Information: Maximum of 98 credits allowed in course. Description: <u>Topical studies in Art History.</u> Grade Mode: <u>Traditional Instructor-Option</u> [proposed new <u>AUCC 4A: Using Competencies & AUCC 4B: Building Upon Foundations and Perspectives</u> 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)]</p>	Fall 2017	<p>Proposed new: AUCC 4A & 4B</p> <p>(Course Content and Assessment Component fields have been updated)</p>
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 500	<p>LSPA 500 Language Analysis/Stylistics-Spanish 3(3-0-0) F</p> <p>Prerequisite: LSPA 400. Registration Information: <u>May be taken 3 times for credit.</u> Description: Analysis of Spanish structure through the examination of style in literary and non-literary texts. Grade Mode: Student Option</p>	Fall 2017	<p>Elective in: Grad Cert in Spanish Linguistics and Literary Studies</p>
Reason for Request:	This course will rotate topics (Syntax, Phonetics/Phonology, Morphology, Other).		
COLLEGE OF NATURAL SCIENCES			
CHEM 246	<p>CHEM 246 Fundamentals of Organic Chemistry Laboratory 1(0-23-0) F, S, SS</p> <p>Prerequisite: (CHEM 108 or CHEM 112 or CHEM 114) and (CHEM 245, may be taken concurrently) Registration Information: Credit not allowed for students who have already taken CHEM 344. <u>Must register for lecture and laboratory.</u> Description: Laboratory applications of principles presented in CHEM 245. Grade Mode: Traditional</p>	Fall 2017	<p>Prerequisite</p> <p>(CLOs and 'Course Content' section have been updated)</p>

Reason for Request: Experience has shown that the experiments are complete within 2 hours. Thus, we are not changing the curriculum, but rather re-allocating the appropriate operating time for the labs in the schedule. We confirmed this time allocation this fall. The recovery of the the extra hour will allow the department to offer more sections of this lab as well and other labs that use the same room arrangement.



New Concentration

**College of Liberal Arts
Department of Art and Art History
Bachelor of Arts, Integrated Visual Studies Concentration**

Effective Fall 2017

[Link to CIM](#)

Reason for Request: We are redesigning the BA-Studio major to orient it towards an integrated humanities and visual culture approach to differentiate it more clearly from the BFA-Studio major. This revised BA-Integrated Visual Studies major will serve a broader population of students interested in the visual arts, especially those desiring a double major in art and a cognate discipline. This change is motivated by feedback we received from NASAD as we are preparing for departmental accreditation in Fall 2017.

FRESHMAN		
	AUCC	CREDITS
<u>ART 105</u>	Issues and Practices in Art	1
<u>ART 110</u>	Art History I	3
<u>ART 111</u>	Art History II	3
<u>ART 135</u>	Introduction to Drawing	3
<u>ART 136</u>	Introduction to Figure Drawing	3
<u>ART 160</u>	Two-Dimensional Visual Fundamentals	3
<u>ART 170</u>	Three-Dimensional Visual Fundamentals	3
<u>CO 150</u>	College Composition (GT-CO2)	1A 3
<u>Arts and Humanities</u>		3B 6
<u>Mathematics</u>		1B 3
Total Credits		31
SOPHOMORE		
<u>ART 212</u>	Art History III	3
<u>SPCM 200</u>	Public Speaking	3
Studio Introduction courses (see list below)		6
Upper-Division Art History course (see list below)		4A,4B 3
<u>Biological and Physical Sciences</u>		3A 7
<u>Global and Cultural Awareness</u>		3E 3
<u>Historical Perspectives</u>		3D 3
<u>Social and Behavioral Sciences</u>		3C 3
Total Credits		31

JUNIOR			
Choose one of the following courses:		-	3
<u>ART 492A</u>	Seminar: Art History	4A,4B	-
<u>ART 496H</u>	Group Study: Art History	4A,4B	-
Studio Introduction course not previously taken above (see list below)			3
Upper-Division Art History course (see list below)		4A,4B	3
Upper-Division Studio courses (see list below)			8
Second Field courses ¹			6
Upper-Division Second Field courses ¹			6
<u>Advanced Writing</u>		2	3
	Total Credits		32
SENIOR			
<u>ART 425</u>	Integrated Visual Studies (<i>course pending UCC approval</i>)	4C	4
ART 3XX or ART 4XX			4
ART XXX			3
Second Field courses ¹			3
Upper-Division Second Field courses ¹			6
Upper-Division Electives			3
Electives			3
	Total Credits		26
	Program Total Credits:		120

Studio Introduction Courses

Code	Title	Credits
<u>ART 230</u>	Photo Image Making I	3
<u>ART 235</u>	Intermediate Drawing I	3
<u>ART 240</u>	Pottery I	3
<u>ART 245</u>	Metalsmithing and Jewelry I	3
<u>ART 250</u>	Fibers I	3
<u>ART 255</u>	Introduction to Graphic Design	3
<u>ART 256</u>	Introduction to Electronic Art	3
<u>ART 260</u>	Painting I	3
<u>ART 265</u>	Printmaking I-Intaglio and Relief	3
<u>ART 270</u>	Sculpture I	3

Upper-Division Art History Courses

Code	Title	AUCC	Credits
<u>ART 310</u>	History of American Art to 1945	4A,4B	3
<u>ART 311</u>	Art of Africa	4A,4B	3
<u>ART 312</u>	History of Pre-Columbian Art	4A,4B	3
<u>ART 314</u>	Women in Art History	4A,4B	3
<u>ART 315</u>	United States Art 1945-1980	4A,4B	3
<u>ART 316</u>	Art of the Pacific	4A,4B	3
<u>ART 317</u>	Native North American Art	4A,4B	3
<u>ART 410</u>	Greek Art	4A,4B	3
<u>ART 411</u>	History of Medieval Art	4A,4B	3
<u>ART 412</u>	History of Renaissance Art	4A,4B	3
<u>ART 414</u>	History of Baroque and Rococo Art	4A,4B	3
<u>ART 415</u>	History of 19th Century European Art	4A,4B	3
<u>ART 416</u>	History of European Art, 1900 to 1945	4A,4B	3
<u>ART 417</u>	Roman Art	4A,4B	3
<u>ART 418</u>	Contemporary Artists and Art Critics	4A,4B	3
<u>ART 492A</u>	Seminar: Art History	4A,4B	3
<u>ART 496H</u>	Group Study: Art History	4A,4B	1-4

Upper-Division Studio Courses

Code	Title	Credits
<u>ART 330</u>	Photo Image Making II	4
<u>ART 331</u>	Photo Image Making III	4
<u>ART 335</u>	Intermediate Drawing II	4
<u>ART 336</u>	Intermediate Drawing III	4
<u>ART 340</u>	Pottery II	4
<u>ART 341</u>	Pottery III	4
<u>ART 345</u>	Metalsmithing and Jewelry II	4
<u>ART 346</u>	Metalsmithing and Jewelry III	4
<u>ART 350</u>	Fibers II	4
<u>ART 351</u>	Fibers III	4
<u>ART 355</u>	Typography and Design Systems	4
<u>ART 356</u>	Illustration	4
<u>ART 357</u>	Interactive Media	4
<u>ART 358</u>	Experimental Video	4
<u>ART 360</u>	Painting Methods and Materials	4

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Code	Title	Credits
<u>ART 361</u>	Figure Painting	4
<u>ART 365</u>	Printmaking II-Lithography	4
<u>ART 366</u>	Printmaking III-Studio Workshop	4
<u>ART 370</u>	Sculpture II	4
<u>ART 371</u>	Sculpture III	4
<u>ART 384</u>	Supervised College Teaching	1-4
<u>ART 421</u>	Art and Environment (<i>UCC approved 2/3/17</i>)	3
<u>ART 430</u>	Advanced Photo Image Making I	4
<u>ART 431</u>	Advanced Photo Image Making II	4
<u>ART 435</u>	Advanced Drawing I	4
<u>ART 436</u>	Advanced Drawing II	4
<u>ART 440</u>	Pottery IV	4
<u>ART 441</u>	Pottery V	4
<u>ART 445</u>	Metalsmithing and Jewelry IV	4
<u>ART 446</u>	Metalsmithing and Jewelry V	4
<u>ART 450</u>	Fibers IV	4
<u>ART 451</u>	Fibers V	4
<u>ART 455</u>	Advanced Typography and Design Systems	4
<u>ART 456</u>	Advanced Illustration	4
<u>ART 457</u>	Advanced Interactive Media	4
<u>ART 458</u>	Advanced Experimental Video	4
<u>ART 460</u>	Advanced Painting I	4
<u>ART 461</u>	Advanced Painting II	4
<u>ART 465</u>	Printmaking IV-Studio Workshop	4
<u>ART 466</u>	Printmaking V-Studio Workshop	4
<u>ART 470</u>	Sculpture IV	4
<u>ART 471</u>	Sculpture V	4
<u>ART 495A</u>	Independent Study: Painting	1-4
<u>ART 495B</u>	Independent Study: Printmaking	1-4
<u>ART 495C</u>	Independent Study: Sculpture	1-4
<u>ART 495D</u>	Independent Study: Fibers	1-4
<u>ART 495E</u>	Independent Study: Metalsmithing and Jewelry	1-4
<u>ART 495F</u>	Independent Study: Drawing	1-4
<u>ART 495G</u>	Independent Study: Graphic Design	1-4
<u>ART 495H</u>	Independent Study: Art History	1-4
<u>ART 495I</u>	Independent Study: Art Education	1-4

Code	Title	Credits
<u>ART 495J</u>	Independent Study: Pottery	1-4
<u>ART 495K</u>	Independent Study: Photo Image Making	1-4
<u>ART 496A</u>	Group Study: Painting	1-4
<u>ART 496B</u>	Group Study: Printmaking	1-4
<u>ART 496C</u>	Group Study: Sculpture	1-4
<u>ART 496D</u>	Group Study: Fibers	1-4
<u>ART 496E</u>	Group Study: Metalsmithing and Jewelry	1-4
<u>ART 496F</u>	Group Study: Drawing	1-4
<u>ART 496G</u>	Group Study: Graphic Design	1-4
<u>ART 496H</u>	Group Study: Art History	1-4
<u>ART 496I</u>	Group Study: Art Education	1-4
<u>ART 496J</u>	Group Study: Pottery	1-4
<u>ART 496K</u>	Group Study: Photo Image Making	1-4

¹ Choose in consultation with advisor.



NEW BUSINESS

<i>New Courses</i>	<i>Effective Term</i>	<i>Notations</i>
COLLEGE OF NATURAL SCIENCES		
<p><u>DSCI 100</u> DSCI 100 First Year Seminar in Data Science 1(0-0-1) F</p> <p>Prerequisite: None. Registration Information: Freshman or sophomore only. Description: Introduction to problems and techniques in data science. Grade Mode: Traditional</p> <p>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).</p>	Spring 2018	<p>Required</p> <p><i>Major in Data Science (4 proposed concentrations)</i></p>
<p><u>DSCI 235</u> DSCI 235 Data Wrangling 2(1-0-1) As Needed</p> <p>Prerequisite: None. Registration Information: Must have concurrent registration in CS 220. Must register for lecture and recitation. Description: Introduce tools and techniques for manipulating, cleaning, extracting, and organizing data. Grade Mode: Traditional</p> <p>Reason for Request: This course will provide core content to the Data Science program and will be a required course for all concentrations.</p>	Fall 2018	<p>Required</p> <p><i>Major in Data Science (4 proposed concentrations)</i></p>

DSCI 320	DSCI 320 Optimization Methods in Data Science 3(3-0-0) F Prerequisite: (CS 163 or CS 164); MATH 151; MATH 261; (DSCI 369 or MATH 369). Registration Information: None. Description: Linear and non-linear programming, convex sets and functions, convex and non-convex optimization problems, duality, Newton's methods, barrier methods, linear equality and inequality constraints. Emphasis on computation methods and programming. Grade Mode: Traditional	Spring 2018	Required <i>Major in Data Science (4 proposed concentrations)</i>
Reason for Request:	This course will provide core content to the Data Science program and will be a required course for all concentrations.		
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 <i>Major in Data Science (4 proposed concentrations)</i>
Reason for Request:	This course will provide core content to the Data Science program and will be a required course for all concentrations.		



<i>Major Changes to Courses</i>		<i>Effective Term</i>	<i>Notations</i>
COLLEGE OF BUSINESS			
ACT 601A	ACT 601A Professional Practice: Taxation 3(3-0-0) F Prerequisite: ACT 330. Registration Information: Sections may be offered: Online, <u>and in 8 week format.</u> Description: Management of accounting practice ; professional <u>tax practice: professional</u> ethics and regulation; research techniques. Grade Mode: Traditional	Fall 2017	Required <u>Master of Accountancy, Tax Specialization</u>
Reason for Request:	This is an existing course, we are modifying the title and learning objectives to better reflect the scope of the professional issues in the course.		
COLLEGE OF LIBERAL ARTS			
ART 425	ART 425 Integrated Visual Studies 4(4-0-0) S Prerequisite: None. Registration Information: Written consent of advisor. Senior standing. 21 credits of upper-division coursework in the Major in Integrated Visual Studies. Description: Interdisciplinary and guided study linking systems of knowledge. Students are afforded the space to draw on their breadth of information and artistic mediums to create a capstone project that demonstrates an ability to communicate effectively across verbal, visual, and written forms. Develop skills as makers and thinkers, fostering critical awareness of how society reflects and produces visual meaning. Grade Mode: Traditional. [Proposed new <u>AUCC 4C: Capstone Experience</u> for the: <u>Bachelor of Arts, Integrated Visual Studies Concentration</u> (proposal pending in CIM)]	Fall 2017	Required in: <u>BA Integrated Visual Studies</u> (new proposal) (UCC approved as a new course 2/10/17, but the request for AUCC 4C designation was not approved at that time)
Reason for Request:	Currently, the BA Capstone is a "shared" capstone with the BFA degree. The proposed course will provide a distinct capstone experience for the newly designed BA in Integrated Visual Studies. Through the completion of this class, students will learn how to articulate the interdisciplinary link between studio arts and their secondary field of study. Students will also make connections between visual art, contemporary culture, and community. Completion of course projects will necessitate that students advance their skills in research, writing, and public speaking.		

COLLEGE OF NATURAL SCIENCES

MATH 317	MATH 317 Advanced Calculus of One Variable 34(34-0-0) F, S, SS	Fall 2017	Required
	<p>Prerequisite: MATH 161 and (MATH 230 or MATH 235) Registration Information: None. Description: Convergence of sequences, series: limits, continuity, differentiation, integration of one-variable functions; development of skills for proving theorems. Grade Mode: Student Option <u>[existing AUCC 4B: Building Upon Foundations and Perspectives for the:</u> Major in Mathematics, Actuarial Science Concentration Major in Mathematics, Applied Mathematics Concentration Major in Mathematics, Computational Mathematics Concentration Major in Mathematics, General Mathematics Concentration Major in Mathematics, Mathematics Education Concentration Major in Mathematics, Mathematics of Information Concentration</p>		Elective
Reason for Request:	<p>MATH 317 requires some mathematical literacy, with which a significant number of students struggle and do not expect, given the old prerequisites. Requiring one of the two courses on basic mathematical thinking thus makes this requirement explicit.</p> <p>Both of these prerequisite classes provide an introduction to mathematical thinking, in particular for proving theorems. MATH 317 therefore can cover this aspect to less extent and thus can be reduced to a 3 credit class, thus increasing total program requirements only by one credit.</p>		
MATH 560	MATH 560 Linear Algebra 3(3-0-0) F	Fall 2017	Elective:
	<p>Prerequisite: MATH 369. Registration Information: Sections may be offered: Online. Description: Finite dimensional vector spaces, inner products, dual spaces, transformations, projections, adjoints, norms, eigenvalues, eigenvectors. Grade Mode: Traditional</p>		<i>Masters in Mathematics</i> <i>Ph.D. in Mathematics</i>
Reason for Request:	<p>Adding a distance/online delivery method to support new online MS and certificate program for in-service teachers.</p>		
STAT 311	STAT 311 Statistics for Behavioral Sciences I 3(3-0-0) F, S, SS	Fall 2017	Required
	<p>Prerequisite: MATH 117 or MATH 118 or MATH 124 or MATH 125 or MATH 126 or MATH 141 or MATH 155 or MATH 159 or MATH 160. Registration Information: Credit allowed for only one of the following: ERHS 307, STAT 301, STAT 307, STAT 311 or STAT 315. Description: Statistical literacy, quantitative reasoning, statistical methods in SPSS including ANOVA, regression, logistic regression, and categorical data. Grade Mode: Student Option</p>		<i>Psychology</i>
Reason for Request:	<p>STAT 315 was added to Other Registration and Information and Explanation</p>		



University Curriculum Committee
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CONSENT AGENDA

Minor Changes to Courses

	Course Title	Requested Change	Effective Term
ACT 550	Accounting Information Technologies	Registration Information: Sections may be offered: Online. Written consent of instructor.	Fall 2017
ACT 614	Financial Statement Analysis and Valuation	Prerequisite Courses: ACT 312 None. Registration Information: Admitted to Master of Accountancy (M.Acc.) program. None.	Spring 2018



STAT 511A and STAT 511B Changes to Program

Due to STAT 511 being replaced with subtopics 511A and 511B, departments were contacted and requested to identify how they would prefer to handle the change in the course prerequisites and program requirements. If no response was received, STAT 511 was replaced by “STAT 511A or STAT 511B” administratively.

Warner College of Natural Resources
 Department of Ecosystem Science & Sustainability
 Master of Greenhouse Gas Management and Accounting, Plan C (M.G.M.A.)

Effective Fall 2017
[Link to CIM](#)

Effective Fall 2017 ~~2016~~

Code	Title	Credits
ESS 501	Principles of Ecosystem Sustainability	3
ESS 524	Foundations for Carbon/Greenhouse Gas Mgmt	3
ESS 542	Greenhouse Gas Policies	2
ESS 543/ATS 543	Current Topics in Climate Change	2
ESS 545	Applications in Greenhouse Gas Inventories	4
ESS 587	Internship	4
STAT 511	Course STAT 511 Not Found	4
STAT 511A or STAT 511B	Design and Data Analysis for Researchers I: R Software Design and Data Analysis for Researchers I: SAS Software	4
Quantitative Methods ¹		3
Greenhouse Gas Specialization ²		6
Technical Tools ³		6
Program Total Credits:		37

A minimum of 37 credits are required to complete this program.

¹ Select courses with approval of advisor and graduate committee.

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- 2 Select two courses in ANEQ, F, RS, SOCR, or other area of specialization with approval of advisor and graduate committee.
- 3 Select two courses from GIS and/or remote sensing with approval of advisor and graduate committee.



PREREQUISITE LANGUAGE: HANDBOOK, CATALOG & CIM

[Curricular Policies and Procedures Handbook:](#)

b. Subject Code (page 4)

Serious consideration of any request to change a subject code is imperative, because the mechanics of doing so are very time consuming and complicated. (This procedure includes ending the current courses, complete reentering of the courses with their new subject code into ARIES, and making appropriate changes to **prerequisite courses** carrying the old subject code.)

c. Number (pages 5-6)

The course number consists of two elements: the first digit, which indicates the course level, and the next two digits, which **may** indicate a particular departmental series or one of the reserve-numbered series defined on the following pages. (A third element is subtopic letters, if desired; see #6, Description, for an explanation.)

When a course is dropped, that course number may not be reused. The ARIES system does not allow reuse of course numbers.

Departments using a numeric designation for a series of courses (I, II) may do so only if the content of each course is sequential, i.e., where I is a **prerequisite** for II.

If a course is joint listed (see p. 21), both subject codes and numbers must be included on the first line, e.g., ETST 252/HIST 252.

If both joint-listed courses are in the **SAME** college, one form is acceptable, provided signatures of both department heads are on the form. If the joint-listed courses are from **DIFFERENT** colleges, forms must be submitted from both departments and overlapping signatures obtained from the “other” department/college.

Course Level

100-299	Courses PRIMARILY for freshman and sophomore students.
300-499	Courses PRIMARILY for junior and senior students. Acceptable for graduate credit for students holding a bachelor’s degree when approved by the students’ graduate committee. (300-level is primarily for juniors and 400-level is primarily for seniors.)
500-599	Courses PRIMARILY for students enrolled in a master’s degree program or equivalent. Qualified junior and senior students may enroll.
600-699	Courses PRIMARILY for students enrolled in master’s level programs or equivalents. Undergraduate students MAY NOT ENROLL TO SATISFY UNDERGRADUATE DEGREE REQUIREMENTS.
700-799	Courses PRIMARILY for students enrolled in Ph.D. level programs or equivalents and professional veterinary medicine courses. Undergraduate students MAY NOT ENROLL.

Prerequisite (page 11)

1. Prerequisites should be courses or indications of prior academic performance. For exceptions, such as grades in courses or overall GPA, the UCC will consider the merits of the proposals on a case-by-case basis.
2. Most courses at the 300-400 level should have a prerequisite. Prerequisites are **required** for all courses numbered 500-799, except courses ending in the -84 to -99. Graduate courses normally should not have lower-division (100-200) courses as prerequisites.
3. Consent of an instructor for a student to attend a class is implied even though it is not listed as a course prerequisite. The statement “or written consent of instructor” following a list of course prerequisites is not allowed and will be removed by Curriculum and Catalog Administration during processing of the form. “Written consent of instructor” may be used when it is essential the student receive clearance from the instructor or department to take the course. The statement will require the instructor or department to do an override for the student to register.

4. All prerequisites may be considered to have been met if a student presents evidence of credit earned in equivalent courses or if knowledge equivalent to the prerequisites indicated is demonstrated. Therefore, it is not necessary to state “or equivalent” with a prerequisite. The statement will be removed during processing of the form.
5. If two or more courses are listed as prerequisites and one of the courses is a prerequisite to another prerequisite, it should not be included (e.g., a course should not list both PH 121 and PH 122 as prerequisites since PH 121 is a prerequisite to PH 122).
6. All stated prerequisites are enforced in ARIES for undergraduate students. Since all prerequisites are enforced, the use of “recommended” prerequisites is not acceptable.
7. Course restrictions, such as “senior standing” or “major only” may be added in the prerequisite area to provide information to students. Restrictions are enforced through Classroom Scheduling and should be added to the class schedule draft.

2016-17 General Catalog:

Glossary

Prerequisite: A course(s) and or minimum grade requirement that must be completed to be prepared for the next course or sequence of courses.

Restriction: Conditions that apply to courses at the section level to limit registration in a course. Restrictions include department approval, field of study, college, student level, student class, campus location and/or student attribute.

Key to Courses

2. Course Numbering

Course numbering is based on the content level of material presented in a course.

Course Number Range	Description
100-299	Courses primarily for freshman and sophomore students.
300-499	Courses primarily for junior and senior students. Acceptable for graduate credit for students holding bachelor's degrees when approved by the student's graduate committee.
500-599	Courses primarily for students enrolled in master's-level degree programs or equivalents. Qualified junior and senior students may enroll.
600-699	Courses primarily for students enrolled in master's level programs or equivalents. Undergraduate students may not enroll to satisfy undergraduate degree requirements.
700-799	Courses primarily for students enrolled in Ph.D.-level programs or equivalents and professional veterinary medicine courses. Undergraduate students may not enroll.
8000-8999	Not for academic credit English Language Program Courses.

6. Prerequisites

Students must meet all course prerequisites prior to registration for a specific course, or acquire the instructor's permission.

Permission of the instructor for a student to attend a course is implied when the student has met specified prerequisites. All prerequisites may be considered to have been met if a student presents evidence of credit earned in equivalent courses or if knowledge equivalent to the prerequisites indicated is demonstrated.

A department may limit the enrollment in a course; courses may be limited to a specified number of students, to students of particular majors, or to students of particular class levels.

In the listing in this catalog, only the most recent version of a course number is shown as a prerequisite.

CIM Course Form Help Bubbles:

Prerequisite Courses:

Courses are listed alphabetically by subject code, if choice option, alphabetically within choices. These are examples of how to format prerequisites.

Prerequisite: None.

Prerequisites: one course

Prerequisite: ANEQ 102.

Prerequisites: choice of courses using “or”

Prerequisite: ANEQ 101 or ANEQ 102.

Prerequisite: ANEQ 230 or BMS 300 or ANEQ 305.

Prerequisite: ANEQ 230 or ANEQ 305 or BMS 300 or BMS 305 or VS 333.

Prerequisites: choice of courses using “or” and a second course

Prerequisites: (ANEQ 230 or ANEQ 305) and (ANEQ 310).

Prerequisites: (ANEQ 230 or BMS 300 or BMS 360 or ANEQ 305) and (CHEM 100 to 199 - at least 3 credits).

Prerequisites: Multiple required courses using “and”

Prerequisites: (ANEQ 102) and (BZ 350 or ANEQ 328 or SOCR 330) and (STAT 301 or STAT 307).

Prerequisites: ANEQ 334 and ANEQ 345 and ANEQ 346 and ANEQ 344.

Prerequisites: Multiple required courses using “and” and “or”

Prerequisites: (ANEQ 230 or BMS 300 or ANEQ 305) and (VS 313 or ANEQ 346 or MIP 315A or MIP 315B or ANEQ 313).

Prerequisites with minimum grade requirements for a course

Prerequisites: MECH 103 with a minimum grade of C and MATH 160 and PH 141, may be taken concurrently.

Prerequisites: CIVE 360 with a minimum grade of C and MECH 202 with a minimum grade of C and MECH 324 with a minimum grade of C and MECH 337 with a minimum grade of C and MECH 342 with a minimum grade of C.

Specific Subtopics

Prerequisite: MU 252E.

Concurrent Enrollment Variations

Prerequisite: HDFS 477, may be taken concurrently.

Prerequisites: (HDFS 350) and (HDFS 477, may be taken concurrently or EDUC 400).

Minimum # of credits required within specified subject code

Prerequisites: HDFS - at least 9 credits

Minimum # of credits required within specified subject code and level

Prerequisite: LIFE 100 to 199 - at least 3 credits.

Adding a course to a broad list of prerequisite requirements

For example: If adding one literature course to a broad list of prerequisite requirements, please indicate which current courses this prerequisite needs to be added to in the “What other information is pertinent to this request?” text box below.

Prerequisite details and explanation:

If "None" is entered in the Prerequisite field for upper-division courses, provide an explanation for why no prerequisite is required for this course.

Universal Restrictions:

Check any of the boxes for areas that are restricted from the list below. Additional restrictions may be listed in the text box below. Please consult the help bubble for additional information.

- NO Freshman
- NO Sophomore
- NO Junior
- NO Senior
- Undergraduate ONLY
- Graduate ONLY
- Professional ONLY

Restriction details and explanation: *(This field will be removed/combined with "Other Registration Information and Explanation" field below)*

Conditions that apply to courses at the section level to limit registration. Restrictions include department approval, field of study, college, student level, student class, campus location and/or student attribute.

Course restrictions, such as "senior standing" or "major only" may be added in the Other Registration Information field to provide information to students. Restrictions are enforced through Academic and Classroom Scheduling and should be added to the class schedule draft.

Registration Information: *(Drop-down menu options)*

This field is optional. Select only options that apply to this course. The menu includes common registration requirements. If more than one is applicable, click on the green button with the + symbol to add another line. If the course has other registration requirements, complete the box below.

Other Registration Information and Explanation:

Optional. For registration information or restrictions not included in the menu of the previous item. Other registration information includes items such as: "Credit Not Allowed"; "May be taken ___ times for credit"; "Credit allowed for only one of the following..."; "This GPA or better"; "Maximum number of credits allowed in course"; "Concurrent registration required"; "Enrollment in a specific major".

See the General Catalog Courses A-Z <http://catalog.colostate.edu/general-catalog/courses-az/> for examples.





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July 26, 2016

Dear Carole and members of the UCC,

A group of faculty members from the Departments of Computer Science, Mathematics, Statistics and Economics are preparing a Phase II proposal for a new BS degree in Data Science. The Phase I proposal was approved in May 2016 and is appended to this memo.

The proposed BS degree in Data Science calls for the development of a number of new and distinctive courses. I would therefore like to request that a new DSCI subject code be established. The DSCI subject code will be housed in the College of Natural Sciences.

Yours sincerely,

A handwritten signature in blue ink that reads "Simon J. Tavener". The signature is written in a cursive style with a blue ink color.

Simon Tavener
Associate Dean for Academics
College of Natural Sciences