

UNIVERSITY CURRICULUM COMMITTEE AGENDA

Friday, March 24, 2023 at 10:00 a.m.

Virtual Meeting via Microsoft Teams

If you are unable to attend or will be sending a substitute, please notify UCC Chair Brad Goetz (1-7690) or Curriculum@colostate.edu (1-2816) prior to the meeting.

Please note: Proposed curriculum changes are summarized below. Additional details may be viewed in the Curriculum Management (CIM) system by clicking on the [hyperlinked](#) course number or program title.

ANNOUNCEMENTS

1. Please look for the 3/24 UCC minutes to be sent for email approval by Monday, 3/27.
2. Catalog pages have been released to departments to make edits for the 2023-24 Catalog. The deadline for returning edits is **April 21st**. Please encourage your colleagues to review their Catalog pages in a timely manner.
3. **4/7/23** – deadline for experimental courses for Summer 2023
5/12/23 – deadline for new courses and changing or deactivating existing courses for Spring 2024

MINUTES

The minutes of March 10, 2023 were electronically approved March 13, 2023.

OTHER BUSINESS

Discussion Items	
Topic	Notes
BA vs. BS Task Force Report	MS Teams > Provost UCC > Files tab > 2022-23 Meeting Materials > 9-23-22 UCC Meeting
Prerequisites for graduate-level courses	MS Teams > Provost UCC > Files tab > 2021-22 Meeting Materials > 9-23-22 UCC Meeting
Which policy topics should UCC be prioritizing?	<ul style="list-style-type: none">• Overlap between majors and minors• Definition/criteria of Interdisciplinary Minors vs. Minors• Prerequisites for graduate-level courses• Affected department review (approval stops vs. FYIs, etc.)• ‘As needed’ offering term• Course numbers
Overlapping content and affected department review	Working document from Associate Deans: Best Practices for developing new courses and programs: facilitating positive communication among departments and colleges
Multi-level courses	UCC Handbook > Courses Taught at More Than One Level (page 6):
UCC Committee Responsibilities and Operating Procedures	See text on the Curriculum website here: https://curriculum.colostate.edu/ucc-responsibilities-procedures/
University Policies Regarding Degrees and Programs of Study – Undergraduate	See documents uploaded to and links below: FileShare > UCC Agenda > 09-28-18 Discussion Meeting > Minors and Interdisciplinary Minors <ul style="list-style-type: none">• Curricular Policies and Procedures Manual, General Catalog – Glossary, General Catalog – Degree Requirements

OLD BUSINESS

Miscellaneous Memo Request <i>(UCC Operating Procedures require new degree proposals to be on the agenda for review at least one week prior to voting)</i>		
Request	Rationale/Justification	Effective Term
<i>Intra-University</i>		
Associate of General Studies (A.G.S.) Degree	https://highered.colorado.gov/students/attending-college/colorado-re-engaged-core-initiative	Summer 2023

Major Changes to Existing Courses			
Course #	Course Title	Notes	Effective Term
<i>College of Agricultural Sciences</i>			
SOCR 371	Climate-Smart Irrigation Management Irrigation of Field Crops	<ul style="list-style-type: none"> Edits to course title and course description. <p><i>Tabled at 3/3/23 meeting to add a third CLO and to add more detail to learning objectives 1 and 2.</i></p>	Fall 2023
<i>College of Liberal Arts</i>			
MU 425	Jazz Pedagogy	<ul style="list-style-type: none"> Edits to course description. Edit to offering term: Fall; Spring Edit to prerequisites: MU 118 None Edits to CLO's, assessment components, and weekly schedule. <p><i>Tabled at 3/3/23 meeting for clarification of required field trips or not (to schools for teaching), and clarification of how the pedagogy fits in with the CLOs and weekly schedule. Student experiences/pedagogical techniques field updated in CIM.</i></p>	Fall 2023

New Courses			
Course #	Course Title	Notes	Effective Term
<i>Intra-University</i>			
GES 462	Sustainable Life Cycle Analysis	<i>Tabled at 3/10/23 meeting to revise CLOs 2, 3, and 5 so they are more measurable.</i>	Fall 2023

NEW BUSINESS

Major Changes to Existing Courses			
Course #	Course Title	Notes	Effective Term
<i>College of Liberal Arts</i>			
MU 556	Advanced Instrumental Conducting and Techniques	<ul style="list-style-type: none"> Edits to course title and abbreviated title. Edit to offering term: Fall Spring Edit to prerequisites: MU 500-799 or concurrent registration -- at least 3 credits. MU-356 Addition of universal restriction: Graduate ONLY Updates to CLO's, assessment components, and weekly schedule. 	Fall 2023

Warner College of Natural Resources			
F 321	Forest and Natural Resource Biometry	<ul style="list-style-type: none"> Edits to course title and description. Edits to prerequisites: (NR 220 and F 230) and (MATH 117 or MATH 118 or MATH 120 or MATH 124 or MATH 125 or MATH 126 or MATH 127 or MATH 141 or MATH 155 or MATH 159 or MATH 160 - at least 3 credits) and (STAT 201 or STAT 301). Updates to CLO's, assessment components, and weekly schedule. 	Fall 2023
FW 556	Wildlife Conservation Ethics Leopold's Ethic for Wildlife and Land	<ul style="list-style-type: none"> Edits to course title and description. Edit to offering term: Fall Every Addition of Universal Restriction: Graduate ONLY. Addition of Reg Info: Offered as an online course only. Edits to add'l reg. info: Graduate standing. Bachelor's degree, or any level ecology or wildlife management course, or written consent of instructor. Offered online only. Updates to CLO's, assessment components, and weekly schedule. 	Fall 2023
NR 319	Introduction to Geospatial Science Geospatial Applications in Natural Resources	<ul style="list-style-type: none"> Change of Dept./Unit (<i>from 1472-Forest & Rangeland Stewardship to 1401-Warner College of Nat. Rsrcs.</i>) Edits to course title and description. Removal of 'Required field trips.' Edits to Add'l Reg. Info: Credit not allowed for both NR 319 and NR 322. Junior standing. Updates to CLO's, assessment components, and weekly schedule. 	Fall 2023
NR 493	Seminar--GIS Seminar on GIS and Remote Sensing Applications	<ul style="list-style-type: none"> Change of Dept./Unit (<i>from 1472-Forest & Rangeland Stewardship to 1476-Ecosystem Science & Sustainability</i>) Edits to course title and description. Edit to prerequisites: NR 319 322 or NR 323 Updates to CLO's, assessment components, and weekly schedule. 	Fall 2023
College of Natural Sciences			
BZ 329A BZ 329	Herpetology: Lecture	<ul style="list-style-type: none"> Course number change (<i>addition of subtopic</i>) Credit decrease (<i>from 4 to 3</i>) Change from Lecture/Lab to Lecture only Edit to course title (<i>addition of subtopic</i>) Edit to Add'l Reg Info: Credit not allowed for both BZ 329 and BZ 329A. Sophomore standing. <p><i>C&C Unit will administratively update the course number and credits in the following programs:</i></p> <ul style="list-style-type: none"> BLSC-BLSZ-BS: Major in Biological Science, Biological Science Concentration (<i>elective list will be changed to 'BZ 329A and BZ 329B'</i>) FWCB-CNVZ-BS: Major in Fish, Wildlife, and Conservation Biology, Conservation Biology Concentration (<i>Junior year 'Select from' list</i>) 	Fall 2023

		<ul style="list-style-type: none"> • FWCB-FASZ-BS: Major in Fish, Wildlife, and Conservation Biology, Fisheries and Aquatic Sciences Concentration (<i>Junior year 'Select from' list</i>) • FWCB-WDBZ-BS: Major in Fish, Wildlife, and Conservation Biology, Wildlife Biology Concentration (<i>Junior year 'Select from' list</i>) • NSCI-ZZ-MPSM: Professional Science Master's in Natural Sciences – Zoo, Aquarium, and Animal Shelter Management Specialization (<i>Comparative Physiology/Taxonomy list</i>) • ZOOL-BS: Major in Zoology (<i>Upper-division electives list will be changed to 'BZ 329A and BZ 329B'</i>) • ZOOQ: Minor in Zoology (<i>Upper-division electives list will be changed to 'BZ 329A and BZ 329B'</i>) 	
<p>BZ 330A BZ 330</p>	<p>Mammalogy: Lecture</p>	<ul style="list-style-type: none"> • Course number change (addition of subtopic) • Change from Lecture/Lab to Lecture only • Edits to course title and description. • Addition of 'credit not allowed' statement with BZ 330. • Addition of Required field trips. <p><i>C&C Unit will administratively update the course number in the following programs:</i></p> <ul style="list-style-type: none"> • BLSC-BLSZ-BS: Major in Biological Science, Biological Science Concentration (<i>elective list will be changed to 'BZ 330A and BZ 330B'</i>) • FWCB-CNVZ-BS: Major in Fish, Wildlife, and Conservation Biology, Conservation Biology Concentration (<i>Junior year 'Select from' list</i>) • FWCB-FASZ-BS: Major in Fish, Wildlife, and Conservation Biology, Fisheries and Aquatic Sciences Concentration (<i>Junior year 'Select from' list</i>) • FWCB-WDBZ-BS: Major in Fish, Wildlife, and Conservation Biology, Wildlife Biology Concentration (<i>Junior year: currently listed as 'BZ 330 or BZ 335'</i>) • NSCI-ZZ-MPSM: Professional Science Master's in Natural Sciences – Zoo, Aquarium, and Animal Shelter Management Specialization (<i>Comparative Physiology/Taxonomy list</i>) • ZOOL-BS: Major in Zoology (<i>Upper-division electives list will be changed to 'BZ 330A and BZ 330B'</i>) • ZOOQ: Minor in Zoology (<i>Upper-division electives list will be changed to 'BZ 330A and BZ 330B'</i>) 	<p>Fall 2023</p>

<p>BZ 360</p>	<p>Bioinformatics and Genomics</p>	<ul style="list-style-type: none"> • Credit increase (3 to 4 – addition of 1 cr. recitation) • Change of schedule type/credit distribution (<i>from lecture only to lecture/recitation</i>) • Edit to course description. • Edit to offering term: Fall Spring <p>BZ 360 is required in the following programs. The credit increase will affect the number of free electives and/or Program Total Credits:</p> <ul style="list-style-type: none"> • BCHM-DTSZ-BS: Major in Biochemistry, Data Science Concentration (<i>required in Junior year – increase to credits will reduce the number of free electives in Senior year</i>) • BIFQ: Minor in Bioinformatics (<i>increase to credits will increase the Program Total credits</i>) • SOCR-PBTZ-BS: Major in Soil and Crop Sciences, Plant Biotechnology Concentration (<i>required in Senior year – increase to credits will reduce the # of free upper-division electives in the program</i>) <p><i>C&C Unit will administratively update the credits in elective lists in the following programs:</i></p> <ul style="list-style-type: none"> • BLSC-BLSZ-BS: Major in Biological Science, Biological Science Concentration • BLSC-BTNZ-BS: Major in Biological Science, Botany Concentration • ZOOL-BS: Major in Zoology • ZOOQ: Minor in Zoology • STAQ: Minor in Statistics • CBEG-BMEC-BS: Dual Degree Program: Biomedical Engineering, B.S. combined with Chemical and Biological Engineering, B.S. • ELEG-BMEE-BS: Dual Degree Program: Biomedical Engineering, B.S. combined with Electrical Engineering, B.S., Electrical Engineering Concentration • ELEG-BMEL-BS: Dual Degree Program: Biomedical Engineering, B.S. combined With Electrical Engineering, B.S., Lasers and Optical Engineering Concentration • MECH-BMEM-BS: Dual Degree Program: Biomedical Engineering, B.S. combined with Mechanical Engineering, B.S. • CPSC-CPSZ-BS: Major in Computer Science, Computer Science Concentration • CBEG-BS: Major in Chemical And Biological Engineering • BCHM-ASBZ-BS: Major in Biochemistry, ASBMB Concentration • BIOM-MIDZ-BS: Major in Biomedical Sciences, Microbiology and Infectious Disease Concentration • CPSC-NSCZ-BS: Major in Computer Science, Networks and Security Concentration • CPSC-CSYZ-BS: Major in Computer Science, Computing Systems Concentration 	<p>Fall 2023</p>
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College of Veterinary Medicine and Biomedical Sciences			
MIP 303	General Microbiology -- Honors Recitation	<ul style="list-style-type: none"> • Credit decrease (from 2 to 1) • Edits to CLO's, assessment components, and weekly schedule. <p><i>Updated on BIOM-MIDZ-BS Concentration Electives list (on Consent Agenda below).</i></p>	Fall 2023

New Courses			
Course #	Course Title	Notes	Effective Term
College of Natural Sciences			
BZ 329B	Herpetology: Laboratory	1 cr.	Fall 2023
BZ 330B	Mammalogy: Laboratory	1 cr.	Fall 2023

Major Changes to Existing Programs		
Program Title	Notes	Effective Term
College of Health and Human Sciences		
HAES-HPRZ-BS: Major in Health and Exercise Science, Health Promotion Concentration	<ul style="list-style-type: none"> • See CIM for all program changes. <p><i>Credit changes to HES 207 and HES 403; new course HES 404.</i></p>	Fall 2023
HAES-SPMZ-BS: Major in Health and Exercise Science, Sports Medicine Concentration	<ul style="list-style-type: none"> • See CIM for all program changes. <p><i>Credit changes to HES 207, HES 307, and HES 403; new course HES 404.</i></p>	Fall 2023
HESQ: Minor in Health and Exercise Science	<ul style="list-style-type: none"> • Credit increase to required course HES 207. • Increase in Program Total Credits from 21 to 22. • Updates to elective list. 	Fall 2023
PSWF-CT: Graduate Certificate in PreK-12 School Social Worker	<ul style="list-style-type: none"> • Removal of Main Campus Face-to-face offering; program is now Online/DCE only. • Addition of SOWK 562 to 'Select from' list. 	Spring 2024
Warner College of Natural Resources		
NRMG-BS: Major in Natural Resources Management	<ul style="list-style-type: none"> • Senior year: replacing NR 421 with F 321 as a required course. 	Fall 2023
WSSS-WSDZ-BS: Major in Watershed Science and Sustainability, Watershed Data Concentration	<ul style="list-style-type: none"> • Sophomore year: replacing NR 322 with NR 319 as a required course. 	Fall 2023
WSSS-WSSZ-BS: Major in Watershed Science and Sustainability, Watershed Science Concentration	<ul style="list-style-type: none"> • Junior year: replacing NR 322 with NR 319 as a required course. 	Fall 2023
WSSS-WSUZ-BS: Major in Watershed Science and Sustainability, Watershed Sustainability Concentration	<ul style="list-style-type: none"> • Sophomore year: replacing required courses BUS 100 and BUS 201 with elective credits. • Junior year: replacing NR 322 with NR 319 as a required course. 	Fall 2023

College of Natural Sciences		
BLSC-BLSZ-BS: Major in Biological Science, Biological Science Concentration	<ul style="list-style-type: none"> See CIM for all program changes (<i>includes revised Program Description</i>). 	Fall 2023
BLSC-BTNZ-BS: Major in Biological Science, Botany Concentration	<ul style="list-style-type: none"> See CIM for all program changes (<i>includes revised Program Description</i>). 	Fall 2023
ZOOL-BS: Major in Zoology	<ul style="list-style-type: none"> See CIM for all program changes. 	Fall 2023
ZOOQ: Minor in Zoology	<ul style="list-style-type: none"> Removal of BZ 110/111 as an introductory biology option. Updates to Upper-Division Course List 	Fall 2023
NSCI-ZZ-MPSM: Professional Science Master's in Natural Sciences – Zoo, Aquarium, and Animal Shelter Management Specialization	<ul style="list-style-type: none"> Addition of Online/DCE offering. Updates to required courses and electives. <p><i>New courses NSCI 641, NSCI 651, and NSCI 688A-E.</i></p>	Fall 2023
Intra-University		
IFIQ: Interdisciplinary Minor in Food Industry Management	<ul style="list-style-type: none"> Addition of required course AREC 222. Updates to 'Select from' lists. 	Fall 2023

CONSENT AGENDA

Experimental Courses – 1st Offering			
Course #	Course Title	Notes/Changes	Effective Term
College of Liberal Arts			
LJPN 480A1	Advanced Japanese Communication Skills		Fall 2023
PHIL 281A1	Models and Values in Philosophy of Science		Fall 2023
Intra-University			
IU 181A5	Oura Lab Introduction to Research	Partial semester; Undergraduate only; Summer bridge program students only	Summer 2023

Minor Changes to Existing Courses			
Course #	Course Title	Notes	Effective Term
College of Health and Human Sciences			
AM 375	Product Development II	<ul style="list-style-type: none"> Edit to prerequisites: AM 143; AM 270 with a minimum grade of C; AM 275 <u>with a minimum grade of C</u>; DM 272 with a minimum grade of C. 	Spring 2024
College of Natural Sciences			
CHEM 111	General Chemistry I	<ul style="list-style-type: none"> Edits to prerequisites: (MATH 118 or <u>MATH 120</u> or MATH 127 or MATH 141 or MATH 155 or MATH 160 or MATH 161 or MATH 229 or MATH 261). and (an appropriate score in the CHEM preparation course CHEM 105). Edit to prerequisite details: <u>We are no longer requiring chem prep as a prerequisite.</u> 	Summer 2023

Course Deactivations			
Course #	Course Title	Notes/Changes	Effective Term
Warner College of Natural Resources			
NR 504	Computer Analysis of Remote Sensing Data	<i>C&C Unit will remove this course from elective lists in the following programs:</i> <ul style="list-style-type: none"> <i>ECSU-MS: Master of Science in Ecosystem Sustainability, Plan A</i> <i>ECSU-PhD: Ph.D. in Ecosystem Sustainability</i> 	Summer 2023
College of Natural Sciences			
BZ 346	Population and Evolutionary Genetics	<i>C&C Unit will administratively remove from the following programs:</i> <ul style="list-style-type: none"> <i>FWCB-CNVZ-BS: Major in Fish, Wildlife, and Conservation Biology, Conservation Biology Concentration (Sophomore year 'select from' list)</i> <i>FWCB-FASZ-BS: Major in Fish, Wildlife, and Conservation Biology, Fisheries and Aquatic Sciences Concentration (Sophomore year 'select from' list)</i> <i>FWCB-WDBZ-BS: Major in Fish, Wildlife, and Conservation Biology, Wildlife Biology Concentration (Junior and Senior years 'Select from' lists)</i> <i>IMBQ: Interdisciplinary Minor in Molecular Biology (elective list)</i> <i>FRRS-FRBZ-BS: Major in Forest and Rangeland Stewardship, Forest Biology Concentration (Senior year 'select from' list)</i> <i>BCHM-ASBZ-BS: Major in Biochemistry, ASBMB Concentration (elective list)</i> 	Summer 2023
BZ 561	Landscape Ecology	Not listed in any courses or programs except as an <u>optional</u> prerequisite for ESS 565: Niche Models.	Summer 2023
BZ 577/ MIP 577	Computer Analysis in Population Genetics	Not listed in any courses or programs.	Summer 2023
BZ 578/ MIP 578	Genetics of Natural Populations	<i>C&C Unit will administratively remove from the elective list in: CBEG-BS: Major in Chemical and Biological Engineering,</i>	Summer 2023

Minor Changes to Existing Programs		
Program Title	Notes	Effective Term
College of Veterinary Medicine and Biomedical Sciences		
BIOM-MIDZ-BS: Major in Biomedical Sciences, Microbiology and Infectious Disease Concentration	<ul style="list-style-type: none"> Updates to Concentration Elective List. 	Fall 2023