

UNIVERSITY CURRICULUM COMMITTEE AGENDA

Friday, February 14, 2020 at 2:00 p.m.

106 Administration, Provost Conference Room

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. FileShare link: <https://eid.colostate.edu/filessharing/login.aspx>

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

Upcoming UCC deadlines:

- **2/28/20** – Subsequent offerings of Study Abroad courses for Spring 2021 (both provisional -82s and permanent courses)
- **4/10/20** – New experimental courses for Summer 2020
- **5/15/20** – Changing or deactivating existing courses & new courses for Spring 2021

MINUTES

The minutes of February 7, 2020.

OTHER BUSINESS

Discussion Topics	
Topic	Notes
Undergraduate Programs – definitions and guidelines: <ul style="list-style-type: none">• Certificates• Minors/Interdisciplinary Minors• Options• Concentrations• Majors	See documents uploaded to: FileShare > UCC Agenda > 10-04-19 Discussion Meeting > Undergraduate Programs Links: <ul style="list-style-type: none">• Curricular Policies and Procedures Manual• General Catalog – Glossary• General Catalog – Degree Requirements
Instructional Formats for courses	Review/approval process for different instructional formats (Face-to-Face, Distance/Online, Mixed Face-to-Face)
Courses/Programs taught in languages other than English	Could a CSU degree be exclusively delivered abroad in a language other than English?
BA vs. BS degrees	
'As needed' offering term	See CIM course form help bubbles text below:
UCC Committee Responsibilities and Operating Procedures	See text on the Curriculum website here: https://curriculum.colostate.edu/ucc-responsibilities-procedures/

OLD BUSINESS

Major Changes to Courses			
Course #	Course Title	Notes	Effective Term
<i>College of Veterinary Medicine and Biomedical Sciences</i>			
ERHS 770	Radiation Cancer Biology-Comparative Oncology	Schedule Type change from recitation to seminar; edits to course title and description; addition of 'Admission to the CMB Cancer Biology Specialization or the Radiological Health Sciences MS or PhD required.' <i>Tabled at 1/31 meeting – Howard Ramsdell's comment should be addressed, and CLO #2 should be revised.</i>	Fall 2020

New Course Submission: AUCC 3E: Diversity and Global Awareness/GT-AH2: Literature & Humanities			
Course #	Course Title	GTP Category/Notes	Effective Term
<i>College of Liberal Arts</i>			
LB 173	Encountering the Global	New course/new submission for AUCC 3E: Diversity and Global Awareness and GT-AH2: Literature & Humanities . Offered Distance/Online and Face-to-face. <i>Tabled at 1/31 meeting – need to ask VPUA for advice on possible upcoming changes to AUCC 3E.</i>	Fall 2020

New Courses			
Course #	Course Title	Notes	Effective Term
<i>College of Natural Sciences</i>			
STAR 696	Special Problems in Applied Statistics	1-3 var. cr. Independent Study; requires written consent of instructor. Previously offered as experimental course STAT 681A1 (Spring 2020: 2 students). <i>Tabled at 2/7 meeting – NS rep will clarify Schedule Type, course title and possible change to course number.</i>	Fall 2020
<i>Warner College of Natural Resources</i>			
ESS 401	Sustainability of Parks and Protected Places	<i>Tabled at 2/7 meeting – Additional Registration Information added and Justification for Request updated.</i>	Fall 2020

NEW BUSINESS

Miscellaneous Request: MECH-BS	
Request	Notes
<i>Walter Scott, Jr. College of Engineering</i>	
MECH-BS	The Department of Mechanical Engineering recently put forward a new Aerospace Engineering Concentration to begin FA20. The Department plans to put forward a second concentration in Advanced Manufacturing to begin FA21. The Department would like to maintain the standalone MECH-BS (with one concentration) for one year while the second concentration is being finalized. Please see attached memo for further explanation and details.

Major Changes to Courses			
Course #	Course Title	Notes	Effective Term
<i>College of Liberal Arts</i>			
JTC 413	New Media Trends Communication Technologies and Society	Edits to course title, description, offering term, and prerequisites, addition of 'Junior standing' restriction. Existing AUCC 4A and 4B in JAMC-BA. JTC 413 is already listed in the Fall semester of Junior year on the MCM.	Fall 2020
MU 486A	Practicum: Music Therapy	Credit change from 1-3 var. to 1; addition of Distance/Online offering; edits to course description, prerequisites, and offering term; change in Grade Mode from Instructor Option to Traditional; addition of 'Audition required' and 'Background check required' to Registration Information.	Fall 2020
<i>Walter Scott, Jr. College of Engineering</i>			
ECE 520	Optimization Methods-Control & Communication	Addition of Distance/Online offering.	Fall 2020

Guaranteed Transfer (GT) Pathways Course New Submission (<i>GT-SC2</i>)			
Course #	Course Title	Notes	Effective Term
<i>College of Liberal Arts</i>			
ANTH 274	Human Diversity	Proposed for AUCC Cat 3A : Biological and Physical Sciences/GT-SC2: Lecture Course Without Required Laboratory	Fall 2020

Guaranteed Transfer (GT) Pathways Course Resubmission (<i>GT-SS1</i>)			
Course #	Course Title	Notes	Effective Term
<i>College of Liberal Arts and College of Agricultural Sciences</i>			
ECON 240/AREC 240	Issues in Environmental Economics	Existing AUCC Cat 3C : Social & Behavioral Sciences Resubmission for GT-SS1 : Economic or Political Systems	Fall 2020

New Courses			
Course #	Course Title	Notes	Effective Term
<i>College of Agricultural Sciences</i>			
HORT 192/LAND 192	Orientation to Horticulture & Landscape Arch	1 cr.; partial semester; S/U Only. <i>Proposal states it will be required in Horticulture, Environmental Horticulture, and Landscape Architecture, but it would not be added as required in the degree audit until program proposals are submitted in CIM.</i>	Fall 2020

College of Health and Human Sciences			
IDEA 510	Processes of Human-Centered Design Thinking	Offered Distance/Online and Face-to-face.	Fall 2020
IDEA 520	Methods for Human-Centered Design Thinking	Offered Distance/Online and Face-to-face.	Fall 2020
IDEA 625A	Mixed Reality for Design Thinking: Trends	1 cr.; partial semester; offered Distance/Online only. Prerequisite: IDEA 510 or concurrent registration	Fall 2020
IDEA 625B	Mixed Reality for Design Thinking: Storytelling		
IDEA 625C	Mixed Reality for Design Thinking: Inclusive Design		
IDEA 625D	Mixed Reality for Design Thinking: Data Visualization		
IDEA 625E	Mixed Reality for Design Thinking: Application Prototyping	1 cr.; partial semester; offered Distance/Online only. Prerequisite: IDEA 510 or concurrent registration; IDEA 520 or concurrent registration	Fall 2020
IDEA 625F	Mixed Reality for Design Thinking: Prototyping Games		
College of Liberal Arts			
ANTH 674	Research Design and Analysis	Graduate and Professional only.	Fall 2020
Warner College of Natural Resources			
NRRT 193	New to the Major Seminar	1 cr.; partial semester; offered Distance/Online and Face-to-face. Previously offered as experimental course NRRT 180A1 (Spring 2017: 8 students; Fall 2017: 18 students; Fall 2018: 15 students). <i>CIM shows this as a 'Major Change' but it is really a new course proposal.</i>	Fall 2020
College of Natural Sciences			
CS 559	Quantitative Security	4 cr.; offered Distance/Online and Face-to-face.	Fall 2020

New Courses – Occupational Therapy Professional Doctorate (listed in order of Program of Study to ensure prerequisite courses are approved in correct order)			
Course #	Course Title	Notes	Effective Term
College of Health and Human Sciences			
OT 760	Leadership Skills of Change Agents	2 cr.; offered as Face-to-face; requires concurrent registration in OT 769 and OT 786E. Prereqs: OT 740; OT 759; OT 787.	Fall 2021
OT 762	Early Through Middle Childhood	2 cr.; offered as Face-to-face; requires concurrent registration in OT 763, OT 764, and OT 786E. Prereqs: OT 752; OT 753; OT 786D.	Fall 2021

OT 763	Early Through Middle Childhood Lab	1 cr.; offered as Face-to-Face; requires concurrent registration in OT 762, OT 764, and OT 786E. Prereqs: OT 752; OT 753; OT 786D.	Fall 2021
OT 764	Adolescent and Young Adult	2 cr.; offered as Face-to-face; requires concurrent registration in OT 762, OT 763, and OT 786E. Prereqs: OT 752; OT 753; OT 786D.	Fall 2021
OT 769	Capstone Project and Experience Development	3 cr.; offered Mixed Face-to-face and Face-to-face. Prereq: OT 759.	Fall 2021
OT 786E	Practicum: Integrative Experiential Learning IV	1 cr. Internship/Practica; requires concurrent registration in OT 762, OT 763, and OT 764. Prereqs: OT 752; OT 753.	Fall 2021
OT 772	Innovative Practice in Occupational Therapy	2 cr.; partial semester; offered as Face-to-face; requires concurrent registration in OT 786F. Prereqs: OT 750; OT 760; OT 787.	Fall 2021
OT 786F	Practicum: Integrative Experiential Learning V	1 cr. Internship/Practica; partial semester; requires concurrent registration in OT 772. Prereqs: OT 750; OT 760; OT 787.	Fall 2021
OT 788	Level IIB Fieldwork - Lifespan Experience	12 cr. Internship/Practica; S/U only. Prereqs: OT 762; OT 764; OT 769; OT 786F.	Fall 2021
OT 779	Capstone Project	1 cr.; offered Face-to-Face and Distance/Online; S/U only. Prereq: OT 769.	Fall 2021
OT 789	Capstone Experience	14 cr. Internship/Practica and Distance/Online; partial semester; S/U only. Prereqs: OT 769; OT 788.	Fall 2021

New Graduate Certificate

Program Title	Notes	Effective Term
<i>Walter Scott, Jr. College of Engineering</i>		
Graduate Certificate in Biomaterials/Tissue Engineering	Offered Main Campus Face-to-face and Online/DCE. <i>Approved by CoSRGE on 2/6/20.</i>	Fall 2020

Major Changes to Existing Programs

Program Title	Notes	Effective Term
PHIL-GPRZ-BA: Major in Philosophy, Global Philosophies and Religions Concentration	Addition of PHIL 410 and PHIL 411 to Sophomore year 'Select one' list. Changing minimum grade requirement from C- (1.670) to C (2.000).	Fall 2020
PHIL-PSAZ-BA: Major in Philosophy, Philosophy, Science, and Technology Concentration	Replacing PHIL 210 with a choice between PHIL 210, PHIL 410 and PHIL 411 Sophomore year. Adding 'not taken elsewhere in the program' to 'Select one' list Senior year that also includes PHIL 410 and PHIL 411. Changing minimum grade requirement from C- (1.670) to C (2.000).	Fall 2020

Walter Scott, Jr. College of Engineering		
<u>SYSE-DE: Doctor of Engineering (D.Eng.) in Systems Engineering</u>	Updating the SYSE courses with new subject codes; updating CIS 600 to CIS 600A; updates to electives. <i>Approved by CoSRGE on 12/5/19.</i>	Fall 2020
<u>SYSE-PHD: PH.D. in Systems Engineering</u>	Updating the SYSE courses with new subject codes; updating CIS 600 to CIS 600A; updates to electives. <i>Approved by CoSRGE on 12/5/19.</i>	Fall 2020
<u>ENGR-SYEZ-ME: Master of Engineering, Plan C, Systems Engineering Specialization</u>	Updating the SYSE courses with new subject codes; updating CIS 600 to CIS 600A; updates to core courses and electives. <i>Approved by CoSRGE on 12/5/19.</i>	Fall 2020
<u>SYSE-MS: Master of Science in Systems Engineering, Plan A</u>	Updating the SYSE courses with new subject codes; updating CIS 600 to CIS 600A; updates to electives. <i>Approved by CoSRGE on 12/5/19.</i>	Fall 2020
<u>SYSE-MS: Master of Science in Systems Engineering, Plan B</u>	Updating the SYSE courses with new subject codes; updating CIS 600 to CIS 600A; updates to electives. <i>Approved by CoSRGE on 12/5/19.</i>	Fall 2020
<u>SYEF-CT: Graduate Certificate in Systems Engineering Practice</u>	Updating the SYSE courses with new subject codes; updating CIS 600 to CIS 600A. <i>Approved by CoSRGE on 12/5/19.</i>	Fall 2020
<u>CBEG-BS: Major in Chemical and Biological Engineering</u>	<ul style="list-style-type: none"> • CBE 493 changed to CBE 393; • CIVE 439 dropping of dual-listing with CBE 439; • Addition of Bioscience, Engineering and Technical electives lists. 	Fall 2020
<u>CBEG-BMEC-BS: Dual Degree Program: Biomedical Engineering, B.S. Combined With Chemical and Biological Engineering, B.S.</u>	<ul style="list-style-type: none"> • CBE 493 changed to CBE 393 • Removing LIFE 210 as a required course and replacing with a set of BME Broad Electives; • CBE 543 dropping of dual-listing with BIOM 543 • CIVE 439 dropping of dual-listing with CBE 439 • Updates to BME Technical Electives and CBE Technical Electives. 	Fall 2020
<u>ELEG-BMEE-BS: Dual Degree Program: Biomedical Engineering, B.S. combined with Electrical Engineering, B.S., Electrical Engineering Concentration</u>	<ul style="list-style-type: none"> • Removing LIFE 210 as a required course and replacing with a set of BME Broad Electives; • CBE 543 dropping of dual-listing with BIOM 543; • CIVE 439 dropping of dual-listing with CBE 439; • Updates to BME Technical Electives. 	Fall 2020
<u>ELEG-BMEL-BS : Dual Degree Program: Biomedical Engineering, B.S. combined With Electrical Engineering, B.S., Lasers and Optical Engineering Concentration</u>	<ul style="list-style-type: none"> • Removing LIFE 210 as a required course and replacing with a set of BME Broad Electives; • CIVE 439 dropping of dual-listing with CBE 439; • Updates to BME Technical Electives. 	Fall 2020
<u>MECH-BMEM-BS: Dual Degree Program: Biomedical Engineering, B.S. combined with Mechanical Engineering, B.S.</u>	<ul style="list-style-type: none"> • Removing LIFE 210 as a required course and replacing with a set of BME Broad Electives; • CBE 543 dropping of dual-listing with BIOM 543; • CIVE 439 dropping of dual-listing with CBE 439; • Updates to BME Technical Electives. 	Fall 2020

CONSENT AGENDA

Experimental Courses – 2nd Offering (for informational purposes only)			
Course #	Course Title	Notes/Changes	Effective Term
<i>College of Health and Human Sciences</i>			
HDFS 180A1	Mentoring for First-Year Success	1 st offering: Fall 2019 (12 students)	Fall 2020
HDFS 381A1	Leadership Through Peer Mentoring	1 st offering: Fall 2019 (12 students)	Fall 2020
<i>College of Natural Sciences</i>			
NSCI 181A2	Sustainable Energy in the Natural Sciences	1 st offering: Fall 2019 (33 students)	Fall 2020
STAT 581A3	Applied Regression Models	1 st offering: Fall 2019 (15 students)	Fall 2020
STAT 581A4	Applied Multivariate Analysis for Researchers	1 st offering: Fall 2019 (13 students)	Fall 2020
<i>College of Veterinary Medicine and Biomedical Sciences</i>			
MIP 481A2	Graduate Fellowship Proposal Preparation	1 st offering: Fall 2019 (9 students)	Fall 2020
MIP 580B1	Intro to Mechanisms of Bacterial Pathogenesis	1 st offering: Fall 2018 (11 students)	Fall 2020
MIP 580B2	Bacterial Pathogenesis Mechanisms & Lifestyle	1 st offering: Fall 2018 (8 students)	Fall 2020
MIP 580B3	Bacterial Pathogenesis-Evading Host Defenses	1 st offering: Fall 2018 (8 students)	Fall 2020
MIP 580B4	Pillars of Immunology	1 st offering: Fall 2019 (15 students)	Fall 2020
<i>Walter Scott, Jr. College of Engineering</i>			
CIVE 580B5/ GES 580B5	Assessing the Food, Energy, Water Nexus	1 st offering: Fall 2019 (CIVE 580B5: 6 students; GES 580B5: 3 students).	Fall 2020
ENGR 580A5	Systems Data Lifecycle and Visualization	1 st offering: Fall 2019 (26 students)	Fall 2020
MECH 481A4	Green Engineering—Materials and Environment	1 st offering: Spring 2020 (17 students)	Fall 2020
MECH 580B1	Industrial Gas and Dual-Fuel Engines	1 st offering: Fall 2018 (19 students)	Fall 2020
<i>Warner College of Natural Resources</i>			
GEOL 380A1	Critical Zone Science	1 st offering: Fall 2018 (6 students).	Fall 2020

Minor Changes to Existing Courses			
Course #	Course Title	Notes	Effective Term
<i>College of Agricultural Sciences</i>			
ANEQ 334	Principles of Equine Genetics	Edit to prerequisites: (ANEQ 102 with a grade of C or better) and (ANEQ 328 with a grade of C or better or BZ 350 with a grade of C or better or SOCR 330 with a grade of C or better) and (ANEQ 305 with a grade of C or better or BMS 300 with a grade of C or better or BMS 360 with grade of C or better).	Spring 2021
ANEQ 441	Integrated Equine Science	Edit to prerequisites: Choose any three of the following: ANEQ 334 with a grade of C or better , ANEQ 344 with a grade of C or better , ANEQ 345 with a grade of C or better , or ANEQ 346 with a grade of C or better .	Spring 2021

Walter Scott, Jr. College of Engineering			
ECE 455	Introduction to Robot Programming/Simulation	Edit to prerequisites: CS 152 CS-157 with a minimum grade of C or CS 163 with a minimum grade of C or CS164 with a minimum grade of C	Spring 2021
ECE 456	Computer Networks	Edit to prerequisites: (CS 152 with a minimum grade of C or CS 163 with a minimum grade of C or CS 164 with a minimum grade of C) or (CS-155 with a minimum grade of C; CS-156 with a minimum grade of C; CS-157 with a minimum grade of C) ; ECE 251 with a minimum grade of C; ECE 303 with a minimum grade of C or STAT 303 with a minimum grade of C; ECE 311 with a minimum grade of C.	Spring 2021

Minor Changes to Existing Programs		
Program Title	Notes	Effective Term
Warner College of Natural Resources		
GEOL-EVGZ-BS: Major in Geology, Environmental Geography Concentration	Updates to Directed Technical Electives list.	Fall 2020
GEOL-GEOZ-BS: Major in Geology, Geology Concentration	Updates to Technical Elective Department list and minor edit to footnote #3: "Select at least two upper-division regular or experimental GEOL courses (300-381, 402-481, 500-581) for a minimum of five credits. A maximum of two credits may be satisfied by non-regular courses (courses ending in -82 to -99) and GEOL 401, which may only count once."	Fall 2020
GEOL-GPYZ-BS: Major in Geology, Geophysics Concentration	Updates to Directed Technical Electives list.	Fall 2020
GEOL-HYDZ-BS: Major in Geology, Hydrogeology Concentration	Updates to Directed Technical Electives list.	Fall 2020