

A regular meeting of the University Curriculum Committee was held on December 9, 2016, at 2:00 p.m.

Members present: Chair Carole Makela, Professors Ed DeLosh, Bradley Goetz, Brad Reisfeld, Paul Mallette, Howard Ramsdell, Sally Sutton, Beth Oehlerts, Mike Hogan, VPUA Kelly Long (ex-officio) and Graduate Student Representative Kevin Jablonski.

Curriculum Unit: Kayleen Allen and Shelly Ellerby.

Guests: Andrea Russo (Registrar's Office) and Linda Selkirk (CSU Online).

Absent: Undergraduate Student Representative.

Minutes

The Minutes of December 2, 2016 were approved.

Consent Agenda

The Consent Agenda was approved.

<i>New Courses</i>	<i>Effective Term</i>
AGED 440 Managing Experiences in Ag Ed Laboratories 1(0-3-0) F	Fall 2017
Prerequisite: AGED 420.	
Registration Information: None.	
Description: Theory, management and pedagogy of delivering safety instruction and experiential curriculum in secondary agricultural education laboratory settings.	
Grade Mode: Traditional.	
AGED 510 American Agricultural Values and Ideology 3(3-0-0) S	Fall 2017
Prerequisite: None.	
Registration Information: Senior standing. Written consent of instructor. Sections may be offered: Online.	
Description: Explore how people have conceptualized agriculture in the United States, how agricultural ideologies have shaped our agricultural values, and how differing agricultural ideologies impact the work in agriculture today and in the future.	
Grade Mode: Traditional.	
Offering Year: Even	
AGED 525 Agricultural and Extension Teaching 3(3-0-0) F	Fall 2017
Prerequisite: None.	
Registration Information: Graduate standing. Sections may be offered: Online.	
Description: Use research on effective teaching methods to define and deliver educational programs, courses and presentations in formal and non-formal educational settings in agriculture. Apply organization and instructional methods to evaluate, plan, deliver and assess effective educational programs.	
Grade Mode: Traditional.	
AGED 587 Internship in Extension Var [1-2] F, S, SS	Fall 2017
Prerequisite: AGED 547.	
Registration Information: Graduate standing. Sections may be offered: Online.	
Description: First-hand experiences in extension programming.	
Grade Mode: Traditional.	

AGRI 575 Livestock-Wildlife Conflict & Law 3(3-0-0) F	Fall 2017
Prerequisite: AGRI 300 or AGRI 500 or AREC 342 or AREC 375 or NR 320 or NR 425 or POLS 361.	
Registration Information: Graduate standing. Offered as an online course only. Credit not allowed for both AGRI 575 and AGRI 581A2.	
Description: Investigation of the laws and policies surrounding livestock wildlife interaction and conflict at the federal, state, and international levels.	
Grade Mode: Traditional.	

ANTH 225 Anthropology of Music and the Arts 3(3-0-0) F	Fall 2017
Prerequisite: None.	
Registration Information: None.	
Description: Explores music and the arts (visual and performing) from the perspective of cultural anthropology. What is art and how is the category differently constructed cross-culturally? Why and how do people make, consume, and identify with expressive culture? How can art and music help us to develop a deeper understanding of how human beings make meaning? Read a variety of ethnographic texts that illuminate these and related questions.	
Grade Mode: Traditional.	
Offering Year: Odd.	

CIVE 511 Coastal Engineering 3(3-0-0) F	Fall 2017
Prerequisite: CIVE 401.	
Registration Information: Bachelor's degree required. Credit not allowed for both CIVE 511 and CIVE 580A6.	
Description: Coastal processes (waves, tides, storm surge, currents, coastal morphology, deltas) and their effects on infrastructure design and eco-protection.	
Grade Mode: Traditional.	
Offering Year: Odd.	

E 643 Special Topics in Literary Craft 3(0-0-3) As Needed	Fall 2017
Prerequisite: None.	
Restriction: Must be a Graduate, Professional.	
Registration Information: Admission into MA English or MFA Creative Writing Programs.	
Description: A seminar-based class combining creative and craft-based experiments with traditional literary critical approaches to various topics utilizing poetry, fiction, creative non-fiction, and other alternate hybrid genres.	
Grade Mode: Traditional	

ECE 517/BIOM 517 Advanced Optical Imaging 3(3-0-0) F	Fall 2017
Prerequisite: ECE 342 or MATH 340 or MATH 345.	
Registration Information: Credit allowed for only one of the following: BIOM 517, BIOM 581B7, ECE 517 or ECE 581B7.	
Description: Engineering design principles of advanced optical imaging techniques and image formation theory.	
Grade Mode: Traditional.	
Offering Year: Even.	

ECE 518/BIOM 518 Biophotonics 3(3-0-0) F	Fall 2017
Prerequisite: ECE 342 or ECE 457 or MATH 340 or MATH 345.	
Registration Information: Credit allowed for only one of the following: BIOM 518, BIOM 581A9, ECE 518 or ECE 581A9.	
Description: Engineering design principles of optical instrumentation for medical diagnostics. Light propagation and imaging in biological tissues.	
Grade Mode: Traditional.	
Offering Year: Odd.	

EDHE 658 Higher Education Enrollment Management 3(3-0-0) S	Spring 2018
Prerequisite: None.	
Registration Information: None.	
Restriction: Must be a: Graduate, Professional.	
Description: Holistic understanding of enrollment management beginning with understanding factors shaping students' college choice options and decisions. Exploration of theory, policy and practice of marketing, admissions, financial aid, tuition setting, and retention as critical areas of enrollment management.	
Grade Mode: Traditional.	

FW 558 Conservation Genetics of Wild Populations 3(2-0-1) S	Spring 2018
Prerequisite: BZ 350 or LIFE 201; LIFE 220 or LIFE 320; STAT 301 or STAT 307.	
Registration Information: Graduate standing. Admission to a graduate program in Fish, Wildlife, and Conservation Biology. Must register for lecture and recitation. Written consent of instructor. Offered as an online course only.	
Description: Examine the background, concepts, and tools required to determine how genetic data can be used to evaluate wild vertebrate species and communities of conservation concern.	
Grade Mode: Traditional.	

HIST 505 Historical Method – Digital History 3(3-0-0) F	Fall 2017
Prerequisite: None.	
Registration Information: Graduate standing. Credit not allowed for both HIST 505 and HIST 580A1.	
Description: Historiographical skills and methods; emphasis on theory and practice of digital history.	
Grade Mode: Traditional.	
Offering Year: Odd	

MSE 501 Materials Technology Transfer 1(1-0-0) F	Fall 2017
Prerequisite: MECH 331.	
Registration Information: Graduate standing.	
Description: The pathways toward commercialization of materials from research. Case studies, technology readiness levels, proposal writing, entrepreneurship, and intellectual property practices.	
Grade Mode: S/U Sat/Unsat Only	

MSE 502A Materials Science & Engineering Methods: Materials Structure and Scattering 1(1-0-0) F	Fall 2017
Prerequisite: MECH 331; MATH 345.	
Registration Information: Senior standing.	
Description: Introduction to the atomic level arrangements of materials, defects related to these structures, and X-ray Diffraction, X-ray scattering, and electron diffraction methods.	
Grade Mode: Traditional.	

MSE 502B Materials Science & Engineering Methods: Computational Materials Methods 1(1-0-0) F	Fall 2017
Prerequisite: MECH 331; MATH 340 or MATH 345.	
Registration Information: Senior standing.	
Description: Introduction to mathematical and computational methods that are used to model materials: Simulation/Modeling, Monte-Carlo, Monte-Carlo Potts, Density Functional Theory, and other approaches.	
Grade Mode: Traditional.	

MSE 502C Materials Science & Engineering Methods: Materials Microscopy 1(1-0-0) F	Fall 2017
Prerequisite: MECH 331; CHEM 431; MATH 340 or MATH 345.	
Registration Information: Senior standing.	
Description: Introduction to modern microscopy techniques for materials research using optical microscopy. Interferometry and confocal techniques, scanning electron, microscopy transmission electron microscopy, and scanning probe microscopy.	
Grade Mode: Traditional.	

MSE 502D Materials Science & Engineering Methods: Materials Spectroscopy 1(1-0-0) S Prerequisite: MECH 331; MATH 340 or MATH 345. Registration Information: Senior standing. Description: The investigation and measurement of spectra produced when matter interacts with or emits electromagnetic radiation, including an introduction to X-ray photoelectron spectroscopy, electron energy loss spectroscopy, Raman and infrared, and energy dispersive spectroscopy for materials research. Grade Mode: Traditional.	Fall 2017
MSE 502E Materials Science & Engineering Methods: Bulk Properties and Performance 1(1-0-0) S Prerequisite: MECH 331; MATH 340 or MATH 345. Registration Information: Senior standing. Description: Physical properties of materials and how they relate to the functionalization of materials, including their use in electronic, magnetic, optical, and other functional devices. Grade Mode: Traditional.	Fall 2017
MSE 502F Materials Science & Engineering Methods: Experimental Methods for Materials Research 1(1-0-0) S Prerequisite: MECH 331; MATH 340 or MATH 345. Registration Information: Senior standing. Description: Modern experimental design methods and techniques for materials research. Topics include vacuum systems, cryogenic experimentation, temperature characterization, data acquisition and digitization, device and circuitry design in the context of materials research. Grade Mode: Traditional.	Fall 2017
MSE 651 Special Topics in Materials Science 3(0-0-3) As Needed Prerequisite: MECH 331. Registration Information: Senior standing. Description: New or emerging topics in materials science and engineering. Grade Mode: Traditional.	Fall 2017
MSE 699 Thesis Var[1-6] F, S, SS Prerequisite: None. Registration Information: Written consent of advisor. Restriction: Must be a: Graduate, Professional. Description: Thesis in materials science and engineering. Grade Mode: Instructor Option.	Fall 2017
MU 127 Aural Skills I 1(0-2-0) F Prerequisite: None. Registration Information: Must have concurrent registration in MU 117. Description: Introduction to aural skills, including melodic dictation (one- and two-part), diatonic harmonic dictation; rhythmic dictation in simple and compound meters; prepared singing and sight singing. Grade Mode: Traditional	Fall 2017
MU 128 Aural Skills II 1(0-2-0) S Prerequisite: MU 127. Registration Information: Must have concurrent registration in MU 118. Description: Further introduction to aural skills, including melodic dictation (one- and two-part), diatonic harmonic dictation; rhythmic dictation in simple and compound meters; prepared singing and sight singing in new clefs. Grade Mode: Traditional	Fall 2017

MU 151B Piano Class II 1(0-2-0) S	Fall 2017
Prerequisite: MU 150. Registration Information: Credit allowed for only one of the following: MU 151, MU 151A or MU 151B. Description: Intermediate Piano Skills Grade Mode: Traditional	
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MU 227 Aural Skills III 1(0-1-0) F	Fall 2017
Prerequisite: MU 128. Registration Information: Must have concurrent registration in MU 217. Description: Intermediate aural skills, including dictation of chromatic melodies (one- and two-part), diatonic harmonic dictation with chromatic embellishments; rhythmic dictation in simple and compound meters; prepared singing and sight singing in new clefs. Grade Mode: Traditional	
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MU 228 Aural Skills IV 1(0-1-0) S	Fall 2017
Prerequisite: MU 227. Registration Information: Must have concurrent registration in MU 218. Description: Advanced aural skills for chromatic music; chromatic and atonal melodic dictation; modulating harmonic dictation and atonal pitch patterns; rhythmic dictation of techniques from music since 1900; prepared singing and sight singing of chromatic and atonal melodies. Grade Mode: Traditional	
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MU 511 Advanced Arranging for Educational Ensembles 3(3-0-0) F	Fall 2017
Prerequisite: MU 318. Registration Information: None. Description: Arranging and scoring skills related to elementary, choral, wind band, orchestral, and jazz ensembles in K-12 music classrooms. Publishing concerns and intellectual property rights related to both composing and arranging for educational ensembles. Grade Mode: Traditional Offering Year: Odd.	
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MU 512 Pedagogy of Musical Creativity 3(3-0-0) F	Fall 2017
Prerequisite: MU 317. Registration Information: None. Description: Theory and application of creative musical skills as applied in K-12 music classrooms. Includes pedagogy of improvisation and composition, pedagogy of music theory and aural skills, and the application of original creative works in music classrooms. Grade Mode: Traditional	
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SOWK 120 Academic and Career Success 1(1-0-0) F, S	Fall 2017
Prerequisite: None. Registration Information: Undergraduate standing. This may be offered as a partial semester course. Credit not allowed for both SOWK 120 and 280A1. Description: Skills for general academic success, personal growth, self-management, and knowledge of campus/community resources. Examination of professional opportunities within the field of social work. Grade Mode: Traditional	

Major Changes to Courses	Effective Term
MU151A <u>Piano Class II: Music Education</u> Piano Skills for Music Educators 1(0-2-0) F,S	Fall 2017
Prerequisite: MU 150. Registration Information: <u>Credit allowed for only one of the following: MU 151, MU 151A or MU 151B.</u> Description: <u>Intermediate Piano Skills</u> Intermediate piano technique and appropriate sightreading skills for music educators. Grade Mode: <u>Traditional</u> S/U-Sat/Unsat-Only	



Updates and Corrections to Previous UCC Minutes

1. LSGN 100 was approved with minor changes to the course on the 12/2/16 UCC minutes effective Fall 2017. The course was approved with a course number change: 101; the correct course number is 100.

LSGN 100	American Sign Language I	Course Number: 100+101 +09	Fall 2017
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Registration Information: Open to all levels. Credit not allowed for both LSGN 100 and LSGN 109.

2. LRUS 100 was approved with minor changes to the course on the 12/2/16 UCC minutes effective Fall 2017. The course was approved with an incorrect Credit Not Allowed statement. The correct Credit Not Allowed statement should be: LRUS 100 and LRUS 105, not LRUS 100 or LRUS 105.

LRUS 100	First-Year Russian I	Course Number: 100 +05	Fall 2017
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Registration Information: No previous study in Russian. Credit not allowed for both LRUS 100 and LRUS 105.

3. LARA 101 was approved with minor changes to the course on the 12/2/16 UCC minutes effective Fall 2017. The Prerequisite Courses should be: LARA 100 or LARA 105, not LARA 101 or LARA 105.

LARA 101	First-Year Arabic II	Course Number: 101 +07	Fall 2017
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Prerequisite Courses: ~~LARA 100+101~~ or LARA 105.

Registration Information: Credit not allowed for both LARA 101 and LARA 107.

The meeting adjourned at 5:05 p.m.

(FC)

Carole Makela, Chair
Shelly Ellerby, Curriculum Liaison Specialist
Kayleen Allen, Curriculum & Catalog Assistant



University Curriculum Committee
 December 9, 2016
CONSENT AGENDA

Experimental Courses – 1st Offering

	Course Title	Effective Term
ANEQ 581A4	Microbiome Analysis Methods	Spring 2017
MIP 681A2	Mycobacteria Research Library Seminar	Spring 2017
NR 580A7	Experimental Design and Analysis	Spring 2017
NRRT 580A2	Culinary Tourism	Spring 2017
VS 280A1	Research Seminar on Human-Animal Interactions	Spring 2017
WS 480A1	Indigenous Consciousness and Gender	Spring 2017

Minor Changes to Courses

	Course Title	Requested Change	Effective Term
ECE 303/ STAT 303	Introduction to Communications Principles	Prerequisite Courses: MATH 261 with a C or better ; MATH 340, may be taken concurrently or MATH 345, may be taken concurrently.	Spring 2018
ECE 508/ ENGR 508	Introduction to Power System Markets	Offering Year: Every Odd	Fall 2017
ECE 566/ ENGR 566	Grid Integration of Wind Energy Systems	Offering Year: Every Even Offering Term: F, S Prerequisite Courses: (ECE 461 and ECE 462) or ECE 565	Fall 2017
MECH 402	Mechanical Engineering Experimental Analysis	Offering Term: F, S Prerequisite Courses: (MECH 307) and (MECH 324) and (MECH 331) and (MECH 338)	Fall 2017
NRRT 521	Sustainable Ski Area Management	Offering Term: F, S, SS Prerequisite Courses: NRRT 520 or concurrent registration. Registration Information: This is a partial-semester course. Sections may be offered: Online. Offered every Spring term and every other Fall term.	Fall 2017
NRRT 522	Ski Area Operations and Human Resources	Offering Term: F, S, SS Prerequisite Courses: NRRT 520 or concurrent registration. Registration Information: This is a partial-semester course. Sections may be offered: Online. Offered every Spring term and every other Fall term.	Fall 2017

NRRT 523	Strategic Ski Area Marketing and Management	Offering Term: F , S, SS	Fall 2017
		Prerequisite Courses: NRRT 520 or concurrent registration.	
		Registration Information: This is a partial-semester course. Sections may be offered: Online. Offered every Spring term and every other Fall term.	
NRRT 524	Ski Area Finance and Investment	Offering Term: F , S, SS	Fall 2017
		Prerequisite Courses: NRRT 520 or concurrent registration.	
		Registration Information: This is a partial-semester course. Sections may be offered: Online. Offered every Spring term and every other Fall term.	
NRRT 525	Ski Area Planning and Development	Offering Term: F , S, SS	Fall 2017
		Prerequisite Courses: NRRT 520 or concurrent registration.	
		Registration Information: This is a partial-semester course. Sections may be offered: Online. Offered every Spring term and every other Fall term.	

