

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

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

Curriculum Unit: Kayleen Allen and Shelly Ellerby.

Guests: Julia Murphy (Registrar's Office) and Linda Selkirk (CSU Online).

Absent: Mike Hogan and Undergraduate Student Representative.

Minutes

The Minutes of November 11, 2016 were approved.

Consent Agenda

The Consent Agenda was approved.

<i>New Courses</i>	<i>Effective Term</i>
CHEM 499 Senior Thesis 2(0-0-2) F, S, SS Prerequisite: CHEM 487 or CHEM 498. Registration Information: Senior standing. Written consent of department chair. Description: Preparation of a written thesis and an oral defense, based upon undergraduate research performed or an internship experience, under the guidance of a thesis advisor and thesis committee. Grade Mode: Traditional [Approved as: UCC 4C: Capstone Experience for the following: Major in Chemistry, Non-ACS Certified Concentration Major in Chemistry, ACS Certified Concentration]	Fall 2017
FSHN 530 Principles of Nutrition Science & Metabolism 3(3-0-0) F, S, SS Prerequisite: BMS 300 or CHEM 245 or LIFE 102. Registration Information: Graduate standing. Offered as an online course only. Description: Science of nutrition, including the ingestion and digestion of food, the absorption, transport, and metabolism of macro and micronutrients, energy balance and bodyweight regulation, and relationships to health and risk of disease. Structure, functional roles, and metabolic regulation of carbohydrates, lipids, and proteins during conditions of fasting, feeding, and exercise. The role of vitamins and minerals in cellular and whole body homeostasis. Grade Mode: Traditional.	Fall 2017
FSHN 531 Diet, Nutrition, and Chronic Disease 3(2-0-1) S Prerequisite: FSHN 530. Registration Information: Graduate standing. Offered as an online course only. Description: Principles related to the role of diet and nutrition in obesity, digestive health, type 2 diabetes, cardiovascular disease, and cancer with a focus on current evidence and best practices for prevention. Grade Mode: Traditional	Spring 2018
FSHN 532 Emerging Issues in Nutrition 3(2-0-1) F Prerequisite: FSHN 530. Registration Information: Graduate standing. Offered as an online course only. Description: Principles related to emerging areas of nutrition and their role in health promotion. Focus is on current research related to micronutrients and supplements, sports nutrition, food safety and technology, food systems, nutrition and aging, and nutrigenomics. Grade Mode: Traditional	Fall 2018

GEOL 201 Field Geology of the Colorado Front Range 1(0-2-0) F

Fall 2017

Prerequisite: GEOL 150 or GEOL 121.**Registration Information:** Freshman, Sophomore or Junior standing only. Geology majors or minors only. This is a partial semester course. Required field trips.**Description:** Geology of the Rocky Mountain Front Range taught primarily through field trips and field exercises, emphasizing hands-on experiences. Learn to make basic field observations and measurements on a variety of rock types and surficial features.**Grade Mode:** Traditional

GES 460 Law and Sustainability 3(3-0-0) F

Fall 2017

Prerequisite: GES 101.**Registration Information:** None.**Description:** Introduction to the domestic and international laws that influence and interact with the implementation of sustainability in the U.S. and abroad.**Grade Mode:** Traditional

MLSC 235 Military Tactical Leadership 1(0-2-0) F

Fall 2017

Prerequisite: None.**Registration Information:** Written consent of instructor. Required field trips.**Description:** Selected topics in physiology, engineering, geology/terrain analysis, and sociology/human behavior; this subject matter will inform the basic military skills needed to train for and compete in the Ranger Challenge. Physical conditioning is a significant component of this class.**Grade Mode:** Traditional

NSCI 677 Microscopic Image Collection & Processing 2(2-0-0) F

Fall 2017

Prerequisite: (CS 156) and (STAT 511A, may be taken concurrently or STAT 511B, may be taken concurrently) and (GRAD 510, may be taken concurrently).**Registration Information:** None.**Restriction:** Must be a Graduate: Professional.**Description:** Modern microscopes generate terabytes of data presenting challenges for acquisition, long-term storage and extracting meaningful information to present it in an appropriate way for publication. This course covers fundamentals of data collection, storage and processing. Students will learn different software applications, ranging from commercial to technical computing languages and will develop their own data processing algorithms to synthesize publication-quality images from large data sets.**Grade Mode:** Traditional

PSY 677 Psychology of Women, Men, and Gender 3(0-0-3) F, S, SS

Fall 2017

Prerequisite: None.**Registration Information:** None.**Description:** Focuses on the psychology of women, men and gender, by intersectionalities, and in cultural, transnational context. Topics include gendered life paths; gender and the media; gender and relationships; gender and health, gender and work; and gender and globalization.**Grade Mode:** Traditional.**Offering Term:** Fall.

Major Changes to Courses**Effective Term****ETST 332 Contemporary ~~Chicana/o~~ Chicanx Issues 3(3-0-0) S**

Fall 2017

Prerequisite: None.**Registration Information:** None.**Description:** Current Chicanx ~~Chicana/o~~ issues including conquest, immigration, urbanization, health in context of societal trends.**Grade Mode:** Traditional

ETST 454/SPCM 454 Chicanax Chicano/a Film and Video 3(2-2-0) F Fall 2017

Prerequisite: ETST 100-499 or SPCM 100-499 - at least 3 credits. ~~None.~~

Registration Information: Must register for lecture and laboratory. Sophomore standing. Credit not allowed for both ETST 454 and SPCM 454.

Description: Emergence of Chicanax Chicano/a cinema from a place of displacement, resistance, and affirmation found in contemporary Chicanax Chicano/a film, video.

Grade Mode: Traditional

VS 661 Neurology and Neurosurgery Laboratory 1(0-23-0) S Fall 2017

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Registration Information: This is a partial semester course. DVM degree or equivalent professional medicine degree required.

Description: Laboratory practice of comparative neurology (large and small animal), neurosurgical techniques and procedures. ~~Production and correction of surgically amenable lesions in central and peripheral nervous system; electrodiagnosis.~~

Grade Mode: Traditional

Permanent Partial Semester: Yes ~~No~~

Term Offered: Spring (every third year).



Major Changes to Existing Programs *Effective Term*

College of Engineering
 Dual Degree Program: Biomedical Engineering and
 Electrical Engineering, Electrical Engineering Concentration

Effective Fall 2017

Effective Fall 2017 ~~2016~~

FRESHMAN		AUCC	CREDITS
<u>BIOM 101</u>	Introduction to Biomedical Engineering		3
<u>CHEM 111</u>	General Chemistry I (GT-SC2)	3A	4
<u>CHEM 112</u>	General Chemistry Lab I (GT-SC1)	3A	1
<u>CO 150</u>	College Composition (GT-CO2)	1A	3
Select one group from the following:		-	3-4
Group A:		-	-
<u>CS 155</u>	Introduction to Unix	-	-
<u>CS 156</u>	Introduction to C Programming I	-	-
<u>CS 157</u>	Introduction to C Programming II	-	-
Group B:		-	-
<u>CS 163 or 164</u>	Java (CS1) No Prior Programming Java (CS1) Prior Programming	-	-
<u>CHEM 113</u>	<u>General Chemistry II</u>	-	<u>3</u>
<u>ECE 102</u>	Digital Circuit Logic		4
<u>ECE 103</u>	DC Circuit Analysis		3

MATH 160	Calculus for Physical Scientists I (GT-MA1)	1B	4
MATH 161	Calculus for Physical Scientists II (GT-MA1)	1B	4
PH 141	Physics for Scientists and Engineers I (GT-SC1)	3A	5
Additional Requirements for Graduation ¹			0
Total Credits			<u>3134-35</u>
SOPHOMORE			
CHEM 113	General Chemistry II		3
CO 150	College Composition (GT-CO2)	1A	3
<u>Select one group from the following:</u>		-	<u>3-4</u>
<u>Group A:</u>		-	-
CS 155	<u>Introduction to Unix</u>	-	-
CS 156	<u>Introduction to C Programming I</u>	-	-
CS 157	<u>Introduction to C Programming II</u>	-	-
<u>Group B:</u>		-	-
CS 163 or 164	<u>Java (CS1) No Prior Programming</u> <u>Java (CS1) Prior Programming</u>	-	-
ECE 202	Circuit Theory Applications		4
ECE 251	Introduction to Microprocessors	-	4
ECE 303/STAT 303	<u>Introduction to Communications Principles</u>	-	<u>3</u>
LIFE 102	Attributes of Living Systems (GT-SC1)	3A	4
MATH 261	Calculus for Physical Scientists III		4
Select one course from the following:			4
MATH 340	Introduction to Ordinary Differential Equations		
MATH 345	Differential Equations		
MECH 337	Thermodynamics	-	4
PH 142	Physics for Scientists and Engineers II (GT-SC1)	3A	5
Additional Requirements for Graduation ¹			0
Total Credits			<u>30-3132</u>
JUNIOR			
BMS 300	Principles of Human Physiology	-	4
CHEM 245	Fundamentals of Organic Chemistry	-	4
ECE 303/STAT 303	Introduction to Communications Principles	-	<u>3</u>
BIOM 300	<u>Problem-Based Learning Biomedical Engr Lab</u>	-	<u>4</u>
ECE 311	Linear System Analysis I		3

<u>ECE 312</u>	<u>Linear System Analysis II</u>	-	<u>3</u>
<u>ECE 331</u>	<u>Electronics Principles I</u>	-	<u>4</u>
<u>ECE 332</u>	Electronics Principles II		4
<u>ECE 341</u>	Electromagnetic Fields and Devices I		3
<u>ECE 342</u>	Electromagnetic Fields and Devices II		3
<u>LIFE 210</u>	Introductory Eukaryotic Cell Biology		3
<u>MECH 262</u>	<u>Engineering Mechanics</u>	-	<u>4</u>
<u>Arts and Humanities</u>		<u>3B</u>	<u>3</u>
<u>Global and Cultural Awareness</u>		3E	3
Additional Requirements for Graduation ¹			0
Total Credits			33
SENIOR			
<u>BIOM 300</u>	<u>Problem Based Learning Biomedical Engr Lab</u>	-	<u>4</u>
<u>ECE 331</u>	<u>Electronics Principles I</u>	-	<u>4</u>
<u>ECE 332</u>	<u>Electronics Principles II</u>	-	<u>4</u>
<u>BIOM 431/ECE 431</u>	<u>Biomedical Signal and Image Processing</u>	-	<u>3</u>
<u>BMS 300</u>	<u>Principles of Human Physiology</u>	-	<u>4</u>
<u>CHEM 245</u>	<u>Fundamentals of Organic Chemistry</u>	-	<u>4</u>
<u>ECE 251</u>	<u>Introduction to Microprocessors</u>	-	<u>4</u>
<u>ECON 202</u>	Principles of Microeconomics (GT-SS1)	3C	3
<u>Arts and Humanities</u>		<u>3B</u>	<u>3</u>
<u>ECE Technical Electives³</u>		-	<u>9</u>
<u>MECH 262</u>	<u>Engineering Mechanics</u>	-	<u>4</u>
<u>MECH 337</u>	<u>Thermodynamics</u>	-	<u>4</u>
<u>ECE Technical Electives (See list below)²</u>		-	<u>6</u>
Additional Requirements for Graduation ¹			0
Total Credits			<u>3227</u>
FIFTH YEAR			
<u>BIOM 486A</u>	Biomedical Design Practicum: Capstone Design I	4A,4B,4C	4
<u>BIOM 486B</u>	Biomedical Design Practicum: Capstone Design II	4A,4B,4C	4
Select one from the following:			3
<u>CO 301B</u>	Writing in the Disciplines: Sciences (GT-CO3)	2	
<u>JTC 300</u>	Professional and Technical Communication (GT-CO3)	2	

<u>Arts and Humanities</u>	3B	3
<u>Historical Perspectives</u>	3D	3
BME Technical Electives (See list below)		6
ECE Technical Electives (See list below) ²		8
Additional Requirements for Graduation ¹		0
Total Credits		31
Program Total Credits:		157-158

BME Technical Electives:

Code	Title	Credits
<u>BC 351</u>	Principles of Biochemistry	4
<u>BC 401</u>	Comprehensive Biochemistry I	3
<u>BC 403</u>	Comprehensive Biochemistry II	3
<u>BC 404</u>	Comprehensive Biochemistry Laboratory	2
<u>BC 411</u>	Physical Biochemistry	4
<u>BC 463</u>	Molecular Genetics	3
<u>BC 465</u>	Molecular Regulation of Cell Function	3
<u>BC 565</u>	Molecular Regulation of Cell Function	4
<u>BIOM 421</u>	Transport Phenomena in Biomedical Engineering	3
<u>BIOM 422</u>	Kinetics of Biomolecular and Cellular Systems	3
<u>BIOM 441</u>	Biomechanics and Biomaterials	3
<u>BIOM 470/MECH 470</u>	Biomedical Engineering	3
<u>BIOM 476A</u>	Biomedical Clinical Practicum I	2
<u>BIOM 476B</u>	Biomedical Clinical Practicum II	4
<u>BIOM 495</u>	Independent Study	1-6
<u>BIOM 504/CBE 504</u>	Fundamentals of Biochemical Engineering	3
<u>BIOM 525/MECH 525</u>	Cell and Tissue Engineering	3
<u>BIOM 526/ECE 526</u>	Biological Physics	3
<u>BIOM 531/MECH 531</u>	Materials Engineering	3
<u>BIOM 533/CIVE 533</u>	Biomolecular Tools for Engineers	3
<u>BIOM 543/CBE 543</u>	Membranes for Biotechnology and Biomedicine	3
<u>BIOM 570/MECH 570</u>	Bioengineering	3
<u>BIOM 573/MECH 573</u>	Structure and Function of Biomaterials	3
<u>BIOM 574/CBE 574</u>	Bio-Inspired Surfaces	3
<u>BIOM 576/CBE 576</u>	Quantitative Systems Physiology	4
<u>BMS 301</u>	Human Gross Anatomy	5
<u>BMS 302</u>	Laboratory in Principles of Physiology	2

Code	Title	Credits
<u>BMS 325</u>	Cellular Neurobiology	3
<u>BMS 345</u>	Functional Neuroanatomy	4
<u>BMS 405</u>	Nerve and Muscle-Toxins, Trauma and Disease	3
<u>BMS 420</u>	Cardiopulmonary Physiology	3
<u>BMS 430</u>	Endocrinology	3
<u>BMS 450</u>	Pharmacology	3
<u>BMS 500</u>	Mammalian Physiology I	4
<u>BMS 501</u>	Mammalian Physiology II	4
<u>BZ 311</u>	Developmental Biology	4
<u>BZ 350</u>	Molecular and General Genetics	4
<u>BZ 476/BZ 576</u>	Genetics of Model Organisms	3
<u>CBE 330</u>	Process Simulation	3
<u>CHEM 334</u>	Quantitative Analysis Laboratory	1
<u>CHEM 335</u>	Introduction to Analytical Chemistry	3
<u>CHEM 343</u>	Modern Organic Chemistry II	3
<u>CHEM 344</u>	Modern Organic Chemistry Laboratory	2
<u>CHEM 346</u>	Organic Chemistry II	4
<u>CHEM 433</u>	Clinical Chemistry	3
<u>CHEM 539A</u>	Principles of NMR and MRI: Basic NMR Principles	1
<u>CHEM 539B</u>	Principles of NMR and MRI: NMR Diffusion Measurements-2D NMR and MRI	1
<u>CHEM 539C</u>	Principles of NMR and MRI: Advanced NMR and MRI Techniques	1
<u>CM 501</u>	Advanced Cell Biology	4
<u>CM 502/NB 502</u>	Techniques in Molecular & Cellular Biology	2
<u>ECE 569/MECH 569</u>	Micro-Electro-Mechanical Devices	3
<u>ERHS 450</u>	<u>Introduction to Radiation Biology</u>	<u>3</u>
<u>ERHS 502</u>	Fundamentals of Toxicology	3
<u>ERHS 510</u>	Cancer Biology	3
<u>HES 307</u>	Biomechanical Principles of Human Movement	4
<u>HES 319</u>	Neuromuscular Aspects of Human Movement	4
<u>HES 403</u>	Physiology of Exercise	4
<u>HES 405</u>	Exercise Testing Instrumentation	2
<u>HES 476</u>	Exercise and Chronic Disease	3
<u>MATH 455</u>	Mathematics in Biology and Medicine	3
<u>MECH 432</u>	<u>Engineering of Nanomaterials</u>	<u>3</u>
<u>MECH 543</u>	Biofluid Mechanics	3
<u>MIP 300</u>	General Microbiology	3

Code	Title	Credits
<u>MIP 302</u>	General Microbiology Laboratory	2
<u>MIP 342</u>	Immunology	4
<u>MIP 343</u>	Immunology Laboratory	2
<u>MIP 351</u>	Medical Bacteriology	3
<u>MIP 352</u>	Medical Bacteriology Laboratory	3
<u>MIP 420</u>	Medical and Molecular Virology	4
<u>MIP 436</u>	Industrial Microbiology	4
<u>MIP 443</u>	Microbial Physiology	4
<u>MIP 450</u>	Microbial Genetics	3
<u>MIP 576/BSPM 576</u>	Bioinformatics	3
<u>NB 500</u>	Readings in Cellular Neurobiology	1
<u>NB 501</u>	Cellular and Molecular Neurophysiology	2
<u>NB 503/BMS 503</u>	Developmental Neurobiology	3
<u>NB 505/BMS 505</u>	Neuronal Circuits, Systems and Behavior	3

Electrical Engineering Technical Electives

Code	Title	Credits
<u>BIOM 570/MECH 570</u>	<u>Bioengineering</u>	<u>3</u>
<u>CS 314</u>	<u>Software Engineering</u>	<u>3</u>
<u>CS 320</u>	<u>Algorithms--Theory and Practice</u>	<u>3</u>
<u>CS 356</u>	<u>Systems Security</u>	<u>3</u>
<u>CS 370</u>	<u>Operating Systems</u>	<u>3</u>
<u>CS 410</u>	<u>Introduction to Computer Graphics</u>	<u>4</u>
<u>CS 414</u>	<u>Object-Oriented Design</u>	<u>4</u>
<u>CS 420</u>	<u>Introduction to Analysis of Algorithms</u>	<u>4</u>
<u>CS 430</u>	<u>Database Systems</u>	<u>4</u>
<u>CS 440</u>	<u>Introduction to Artificial Intelligence</u>	<u>4</u>
<u>CS 453</u>	<u>Introduction to Compiler Construction</u>	<u>4</u>
<u>CS 455</u>	<u>Introduction to Distributed Systems</u>	<u>4</u>
<u>CS 475</u>	<u>Parallel Programming</u>	<u>4</u>
<u>CS 510</u>	<u>Image Computation</u>	<u>4</u>
<u>CS 520</u>	<u>Analysis of Algorithms</u>	<u>4</u>
<u>CS 540</u>	<u>Artificial Intelligence</u>	<u>4</u>
<u>CS 545</u>	<u>Machine Learning</u>	<u>4</u>
<u>CS 556</u>	<u>Computer Security</u>	<u>4</u>
<u>ECE 4** - Any ECE Course at the 400-level</u>		<u>var.</u>
<u>Select any course from the following: ³</u>		

<u>Code</u>	<u>Title</u>	<u>Credits</u>
<u>ECE 495A</u>	<u>Independent Study</u>	
<u>ECE 495B</u>	<u>Independent Study: Open Option Project</u>	
<u>ECE 495C</u>	<u>Independent Study: Vertically Integrated Projects</u>	
<u>ECE 5** - Any ECE Course at the 500-level</u>		<u>var.</u>
<u>MATH 419</u>	<u>Introduction to Complex Variables</u>	<u>3</u>
<u>MATH 450</u>	<u>Introduction to Numerical Analysis I</u>	<u>3</u>
<u>MATH 451</u>	<u>Introduction to Numerical Analysis II</u>	<u>3</u>
<u>MATH 470</u>	<u>Euclidean and Non-Euclidean Geometry</u>	<u>3</u>
<u>MECH 570</u>	<u>Bioengineering</u>	<u>3</u>
<u>PH 315</u>	<u>Modern Physics Laboratory</u>	<u>2</u>
<u>PH 425</u>	<u>Advanced Physics Laboratory</u>	<u>2</u>
<u>PH 451</u>	<u>Introductory Quantum Mechanics I</u>	<u>3</u>
<u>PH 452</u>	<u>Introductory Quantum Mechanics II</u>	<u>3</u>
<u>PH 462</u>	<u>Statistical Physics</u>	<u>3</u>

- ¹ Students are required to participate in the Professional Learning Institute (PLI) program as a requirement for graduation. The program consists of eleven PLI workshops distributed by focus areas as follows: Global and Cultural Diversity (2 workshops), Innovation (2 workshops), Leadership (2 workshops), Civic and Public Engagement (2 workshops), and Ethics (3 workshops). Each workshop is between 1-2 hours long and no outside preparation is required to attend any of the workshops. Attendance at the required workshops may be spread over the student's five-year program.
- ² ~~Select a total of 14 credits from the [Electrical Engineering Technical Elective List](#). Select a total of 17 credits from ECE 400 level or higher courses not otherwise required. 3 of the 17 credits must be from ECE courses dual listed with the BIOM subject code.~~
- ³ [A maximum total of 3 credits of 495 Independent Study may be applied towards technical elective degree requirements.](#)



**College of Natural Sciences
Department of Statistics
Minor in Applied Statistics**

Effective Spring 2017

A minimum grade of C must be achieved in all statistics courses (STAT subject code and joint-listed) required for the minor in applied statistics.

Students in the **biological sciences** should take **STAT 307** from Group A. Students in the **social sciences** should take **STAT 311** from Group A. Students with a calculus background should take **STAT 315** from Group A. Everyone else should take **STAT 301**.

<u>Code</u>	<u>Title</u>	<u>Credits</u>
GROUP A (Select one):		3
<u>STAT 301</u>	Introduction to Statistical Methods	
<u>STAT 307</u>	Introduction to Biostatistics	
<u>STAT 311</u>	Statistics for Behavioral Sciences I	
<u>STAT 315</u>	Statistics for Engineers and Scientists	

GROUP B (Select one):	3
<u>STAT 305</u>	Sampling Techniques
<u>STAT 312</u>	Statistics for Behavioral Sciences II
GROUP C (Must take <u>BOTH ALL</u> courses):	69
<u>STAT 341</u>	Statistical Data Analysis I
<u>STAT 342</u>	Statistical Data Analysis II
STAT 472	Statistical Consulting
Electives: choose <u>nine</u> six credits from the following, or permission of advisor: ¹	96
<u>ECE 311</u>	Linear System Analysis I
<u>ECE 312</u>	Linear System Analysis II
<u>ECON 335/AREC 335</u>	Introduction to Econometrics
<u>ECON 435</u>	Economic Forecasting
<u>F 321</u>	Forest Biometry
<u>F 422</u>	Quantitative Methods in Forest Management
<u>FW 370</u>	Design of Fish and Wildlife Projects
<u>FW 471</u>	Wildlife Data Collection and Analysis
<u>MATH 369</u>	Linear Algebra I
<u>MATH 435</u>	Projects in Applied Mathematics
<u>MATH 450</u>	Introduction to Numerical Analysis I
<u>MATH 451</u>	Introduction to Numerical Analysis II
<u>MECH 417</u>	Control Systems
<u>MGT 301</u>	Supply Chain Management
<u>MGT 475</u>	International Business Management
<u>NR 421</u>	Natural Resources Sampling
<u>NR 422</u>	GIS Applications in Natural Resource Management
<u>PSY 317</u>	Social Psychology Laboratory
<u>PSY 370</u>	Psychological Measurement and Testing
<u>PSY 371</u>	Psychological Measurement and Testing Laboratory
<u>STAT 358</u>	<u>Introduction to Statistical Computing in SAS</u>
<u>STAT 400</u>	Statistical Computing
<u>STAT 420</u>	Probability and Mathematical Statistics I
<u>STAT 421</u>	Introduction to Stochastic Processes
<u>STAT 430</u>	Probability and Mathematical Statistics II
<u>STAT 440</u>	Bayesian Data Analysis
<u>STAT 460</u>	Applied Multivariate Analysis
<u>STAT 472</u>	<u>Statistical Consulting</u>

Program Total Credits:

21

¹ Electives approved by the undergraduate advisor in statistics or the department chair.



The meeting adjourned at 3:55 p.m.

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



University Curriculum Committee
 December 2, 2016
CONSENT AGENDA

Experimental Courses – 1st Offering

	Course Title	Effective Term
ART 580A1	Issues in Art Education and the Public	Summer 2017
BIOM 380A1	3D Printing Lab for Biomedical Engineering	Spring 2017
CS 581A3	Software Maintenance & Evolution	Spring 2017
ECON 280A1	Economic Data Analytics	Fall 2017
LSPA 381A1	Word Formation and Professional Terminology	Spring 2017
MATH 580A2	Topological Data Analysis	Spring 2017
PH 280A1	Laboratory Electronics	Fall 2017
PHIL 280A1	The Spiritual Dimension of Human Life	Spring 2017

Experimental Courses – 2nd Offering (For Informational Purposes Only)

	Course Title	Effective Term
ECE/BIOM 581A9	Biophotonics	Fall 2017
ECE/BIOM 581B1	Cells as Circuits	Fall 2017
ECE/BIOM 581B5	Electrochemical Sensors	Fall 2017
GR 381A2	Glaciology	Fall 2017

Minor Changes to Courses

	Course Title	Requested Change	Effective Term
ACT 321	Cost Management	Offering Term: F, <u>S</u>	Fall 2017
BIOM 486A	Biomedical Design Practicum: Capstone Design I	Prerequisite Courses: (BIOM 300) and (BIOM <u>421</u> 330 or BIOM <u>431</u> or BIOM 441). ECE-441 Registration Information: <u>Senior standing</u> . Enrollment in biomedical engineering major. <i>Existing AUCC 4A, 4B & 4C in Biomedical Engineering Dual Degree Programs</i>	Fall 2017
CHEM 338	Environmental Chemistry	Prerequisite Courses: CHEM 113 AND (CHEM 245 or CHEM 341 <u>or 345</u>).	Spring 2018
ESS 545	Applications in Greenhouse Gas Inventories	Prerequisite Courses: ESS 524; STAT <u>511A</u> . 544 .	Fall 2017
ESS 655	Multivariate Analysis for Community Ecology	Prerequisite Courses: STAT <u>511A</u> 544 and (ECOL 500-679 or ESS 500-679 or FW 500-679 or BZ 500-679 - at least 3 credits)	Fall 2017

LARA 100	First-Year Arabic I	Course Number: 100 405	Fall 2017
		Registration Information: Credit not allowed for both LARA 100 and LARA 105.	
LARA 101	First-Year Arabic II	Course Number: 101 407	Fall 2017
		Prerequisite Courses: LARA 101 or LARA 105.	
		Registration Information: Credit not allowed for both LARA 101 and LARA 107.	
LCHI 100	First-Year Chinese I	Course Number: 100 405	Fall 2017
		Registration Information: Credit not allowed for both LCHI 100 and LCHI 105.	
LCHI 101	First-Year Chinese II	Course Number: 101 407	Fall 2017
		Prerequisite Courses: LCHI 100 or LCHI 105.	
		Registration Information: Credit not allowed for both LCHI 101 and LCHI 107.	
LFRE 100	First-Year French I	Registration Information: Must register for lecture and recitation. No previous study in French. Placement exam required. Credit allowed for only one of the following: LFRE 100, LFRE 105, or LFRE 106. Sections offered as Mixed Face-to-Face (3 credits face-to-face, 2 credits online) or Face-to-Face only .	Fall 2017
LGER 100	First-Year German I	Registration Information: Must register for lecture and recitation. No previous study in German. Placement exam required. Credit not allowed for both LGER 100 and LGER 105. Sections offered as Mixed Face-to-Face (3 credits face-to-face, 2 credits online) or Face-to-Face only .	Fall 2017
LITA 100	First-Year Italian I	Course Number: 100 405	Fall 2017
		Registration Information: No previous study in Italian. Credit not allowed for both LITA 100 and LITA 105.	
LITA 101	First-Year Italian II	Course Number: 101 407	Fall 2017
		Prerequisite Courses: LITA 100 or LITA 105.	
		Registration Information: Open to all levels. Credit not allowed for both LITA 101 and LITA 107.	
LJPN 100	First-Year Japanese I	Course Number: 100 405	Fall 2017
		Registration Information: No previous study in Japanese. Sections may be offered: Online. Credit not allowed for both LJPN 100 and LJPN 105.	
LJPN 101	First-Year Japanese II	Course Number: 101 407	Fall 2017
		Prerequisite Courses: LJPN 100 or LJPN 105.	
		Registration Information: Open to all levels. Sections may be offered: Online. Credit not allowed for both LJPN 101 and LJPN 107.	

LLAT 100	First Year Latin I	Course Number: 100 405	Fall 2017
		Registration Information: Open to all levels. Credit not allowed for both LLAT 100 and LLAT 105.	
LLAT 101	First-Year Latin II	Course Number: 101 407	Fall 2017
		Prerequisite Courses: LLAT 100 or LLAT 105.	
		Registration Information: Open to all levels. Credit not allowed for both LLAT 101 and LLAT 107.	
LRUS 100	First-Year Russian I	Course Number: 100 405	Fall 2017
		Registration Information: No previous study in Russian. Credit not allowed for both LRUS 100 or LRUS 105.	
LRUS 101	First-Year Russian II	Course Number: 101 407	Fall 2017
		Prerequisite Courses: LRUS 100 or LRUS 105.	
		Registration Information: Open to all levels. Credit not allowed for both LRUS 101 and LRUS 107.	
LSGN 100	American Sign Language I	Course Number: 101 409	Fall 2017
		Registration Information: Open to all levels. Credit not allowed for both LSGN 100 and LSGN 109.	
LSGN 101	American Sign Language II	Course Number: 101 440	Fall 2017
		Offering Term: F , S, SS	
		Prerequisite Courses: LSGN 100 or LSGN 109.	
		Registration Information: Open to all levels. Credit not allowed for both LSGN 101 and LSGN 110.	
LSPA 100	First-Year Spanish I	Registration Information: Must register for lecture and recitation. No previous study in Spanish. Placement exam required. Credit allowed for only one of the following: LSPA 100, LSPA 105, or LSPA 106. Sections offered as Mixed Face-to-Face (3 credits face-to-face, 2 credits online) or Face-to-Face only .	Fall 2017
MU 152	Piano Skills for Choral Directors	Prerequisite Courses: MU151 A	Fall 2017
		Offering Term: F , S	
MU 153	Piano Skills for Music Therapists	Offering Term: F , S	Fall 2017
MU 251	Voice Techniques	Offering Year: Odd Every	Fall 2017
		Offering Term: S E	
MU 332	History of Jazz	Offering Term: F S, SS	Fall 2017
MU 334	Music History I	Offering Term: F , S	Fall 2017
MU 335	Music History II	Offering Term: F , S	Fall 2017
		Prerequisite Courses: MU 118; or MU 131.	

MU 355	Choral Conduction and Literature	Offering Term: S <u>F</u>	Fall 2017
MU 466	Song Literature	Offering Year: Odd <u>Every</u>	Fall 2017
MU 467	Vocal Pedagogy	Offering Year: Odd <u>Every</u> Offering Term: S <u>F</u>	Fall 2017
NRRT 520	Perspectives on Ski Area Management	Offering Term: F, S, SS	Fall 2017
PSY 441	Industrial Psychology Laboratory	Offering Term: F , S, SS Prerequisite Courses: PSY 250; concurrent registration in PSY 440; STAT 301 or STAT 311; <u>concurrent registration.</u> Registration Information: Must have concurrent registration in PSY 440. Sections may be offered: Online.	Fall 2017
STAA 574	Methods in Multivariate Analysis	Prerequisite Courses: <u>STAA 551 or concurrent registration; STAA 561.</u> None. Registration Information: Must have concurrent registration in STAA 551; must have concurrent registration in STAA 561. Written consent of instructor. This is a partial semester course.	Fall 2017
STAA 577	Statistical Learning and Data Mining	Prerequisite Courses: <u>STAA 551 or concurrent registration; STAA 561.</u> None. Registration Information: Must have concurrent registration in STAA 551; must have concurrent registration in STAA 561. This is a partial semester course. Sections may be offered: Online.	Fall 2017
STAT 341	Statistical Data Analysis I	Prerequisite: <u>STAT 158;</u> (STAT 301 or STAT 307 or STAT 311 or STAT 315).	Fall 2017

Course Drops

	Course Title	Requested Change	Effective Term
AM 370	Fashion Trend Analysis and Forecasting	Drop	Spring 2017
DM 518	Consumer Issues-Global Perspectives	Drop	Spring 2017
DM 578	Trends-Consumer Issues	Drop	Spring 2017

