

*PLEASE NOTE: Members, when addressing Faculty Council, please stand and identify yourselves. Guests wishing to speak please fill out a guest card to be handed to the Chair prior to speaking.*

*PLEASE NOTE: Members planning to introduce amendments are requested to provide copies to the Faculty Council Office, 18A Administration, at least 24 hours before this meeting.*

**AGENDA**  
**Faculty Council Meeting**  
**Tuesday, September 5, 2017 – 4:00 p.m. – A201 Clark**

**September 5, 2017 FACULTY COUNCIL AGENDA ITEMS:**

**I. Proposed Faculty Council Agenda – September 5, 2017– Clark A201– 4:00 p.m.**

**A. ANNOUNCEMENTS**

1. Next Faculty Council Meeting – October 3, 2017 – A201 Clark - 4:00 p.m.
2. Executive Committee Meeting Minutes located on the FC website – April 25, 2017; May 9, 2017  
[\(http://facultycouncil.colostate.edu/faculty-council-meeting-dates-agendas-minutes/\)](http://facultycouncil.colostate.edu/faculty-council-meeting-dates-agendas-minutes/)
3. Schedule of 2016-17 Faculty Council Meeting Dates (p. 3)
4. Faculty Council Membership List 2017-18 (pp. 4-7)
5. Faculty Council Standing Committees Membership List 2017-18 (pp. 8-12)
6. University Committees Membership List (pp. 13-15)
7. Parliamentary Motions – Quick Reference (p. 16)
8. Parliamentary Motions – What They Mean (p. 17)
9. UCC Minutes – April 28, 2017 and May 5, 2017 minutes were approved by Executive Committee (May 9, 2017) on behalf of Faculty Council (pp. 18-98)

**B. MINUTES TO BE APPROVED**

1. Faculty Council Meeting Minutes – May 2, 2017 (pp. 99-113)

**C. UNFINISHED BUSINESS**

1. Faculty Council Standing Committee Elections - Committee on Faculty Governance (pp.114-115)
2. University Committee Elections – Committee on Faculty Governance (p. 116)

**D. REPORTS TO BE RECEIVED**

1. Provost/Executive Vice President – Rick Miranda

2. Faculty Council Chair – Tim Gallagher
3. Board of Governors Faculty Representative – Margarita Lenk (pp. 117-118)
4. Faculty Council Standing Committee 2016-17 Annual Reports
  - a. Faculty Council Report to the Board of Governors (pp. 119-121)
  - b. Committee on Faculty Governance (pp. 122-123)
  - c. Committee on Intercollegiate Athletics (pp 124-125)
  - d. Committee on Libraries (pp. 126-128)
  - e. Committee on Non-Tenure Track Faculty (pp. 129-131)
  - f. Committee on Responsibilities and Standing of Academic Faculty (p. 132)
  - g. Committee on Scholarship, Research, and Graduate Education (p. 133)
  - h. Committee on Scholastic Standards (pp. 134-136)
  - i. Committee on Strategic and Financial Planning (pp. 137-139)
  - j. Committee on Teaching and Learning (pp.140-143)
  - k. Committee on University Programs (pp. 144-147)
  - l. University Curriculum Committee (pp. 148-152)
5. University Benefits Committee (pp. 153-155)

#### **E. CONSENT AGENDA**

1. Confirmation of Faculty Council Secretary – Rita Knoll – Executive Assistant to Faculty Council (p. 156)
2. Confirmation of Faculty Council Parliamentarian – Lola Fehr – Professional Registered Parliamentarian (p. 157)
3. UCC Minutes – August 18, 2017 (pp. 158-163)

#### **F. ACTION ITEMS**

1. New Degree: Ph.D. in Watershed Science – UCC (pp. 164-169)

#### **G. DISCUSSION**

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**Secretary's Note:** Please detach at this line, print your name, and leave in attendance box at the Faculty Council Meeting. If you must be absent, you are encouraged to send a substitute representative of academic faculty status in order to provide proper representation at the meeting. Substitutes should turn in the attendance slip at the meeting and indicate on the slip whom they are representing. Members will find it helpful to have copies of the Faculty Council, University Curriculum Committee and Executive Committee minutes available for reference at the meeting.

**Faculty Council/Executive Committee  
Meeting Dates - 2017-2018**

**FACULTY COUNCIL/4:00 p.m.**

**EXECUTIVE COMMITTEE/3:00p.m.  
(106 Administration)**

	August 22, 2017 August 29, 2017
September 5, 2017 - A201 Clark	September 12, 2017 September 19, 2017 September 26, 2017
October 3, 2017 - A201 Clark	October 10, 2017 October 17, 2017 October 24, 2017 October 31, 2017
November 7, 2017 – A201 Clark	November 14, 2017 November 28, 2017
December 5, 2017 - A201 Clark	December 12, 2017 December 19, 2017
January – No FC meetings	January 16, 2018 January 23, 2018 January 30, 2018
February 6, 2018 – TBD	February 13, 2018 February 20, 2018 February 27, 2018
March 6, 2018 – TBD	March 20, 2018 March 27, 2018
April 3, 2018– TBD	April 10, 2018 April 17, 2018 April 24, 2018
May 1, 2018 – TBD	May 8, 2018

**MEMBERSHIP OF THE FACULTY COUNCIL  
2017-2018**

**OFFICERS**

<b>Chair: Timothy Gallagher</b>	<b>Vice-Chair: Sue Doe</b>
<b>Executive Assistant: Rita Knoll</b>	<b>BOG Representative: Margarita Lenk</b>
<b>Professional Registered Parliamentarian: Lola Fehr</b>	

<b>ELECTED MEMBERS</b>	<b>REPRESENTING</b>	<b>TERM</b>
<b>Agricultural Sciences</b>		
Stephan Kroll	Agricultural and Resource Economics	2019
Stephen Coleman	Animal Sciences	2018
Scott Nissen	Bioagricultural Sciences & Pest Management	2018
Adam Heuberger	Horticulture & Landscape Architecture	2019
Thomas Borch	Soil and Crop Sciences	2020
Jane Choi	College-at-Large	2019
Merlyn Paulson	College-at-Large	2020
Bradley Goetz	College-at-Large	2019
<b>Health and Human Sciences</b>		
Anna Perry	Design and Merchandising	2019
Brian Tracy	Health and Exercise Science	2018
David Sampson	Food Science and Human Nutrition	2019
Lisa Daunhauer	Human Development and Family Studies	2018
Bolivar Senior	Construction Management	2020
<b>TBD</b>	<b>Occupational Therapy</b>	<b>2017</b>
Tom Chermak	School of Education	2018
Eunhee Choi	School of Social Work	2019
<b>Business</b>		
Bill Rankin	Accounting	2019
Stephen Hayne	Computer Information Systems	2018
Tianyang Wang	Finance and Real Estate	2019
Troy Mumford	Management	2018
Tuba Ustuner	Marketing	2018
Lisa Kutcher	College-at-Large	2019
John Hoxmeier	College-at-Large	2019
<b>Engineering</b>		
Russ Schumacher	Atmospheric Science	2018
Travis Bailey	Chemical and Biological Engineering	2019
Rebecca Atadero	Civil and Environmental Engineering	2018
Siddharth Suryanarayanan	Electrical and Computer Engineering	2019
Shantanu Jathar	Mechanical Engineering	2020
J. Rockey Luo	College-at-Large	2019
Steven Reising	College-at-Large	2019

Ted Watson	College-at-Large	2018
<b>Liberal Arts</b>		
Michael Pante	Anthropology	2020
Marius Lehene	Art (will serve term thru Fall '19)	2019
Julia Khrebtan-Horhager	Communication Studies	2019
Robert Keller	Economics	2020
<b>TBD</b>	<b>English</b>	<b>2017</b>
Albert Bimper	Ethnic Studies	2019
Jonathan Carlyon	Languages, Literatures and Cultures	2018
Robert Gudmestad	History	2020
Gayathri (Gaya) Sivakumar	Journalism and Technical Communication	2020
Wesley Ferreira	Music, Theater, and Dance	2019
Moti Gorin	Philosophy	2019
Kyle Saunders	Political Science	2018
Tara Opsai	Sociology	2019
Antonio Pedros-Gascon	College-at-Large	2019
Steve Shulman	College-at-Large	2020
David Riep	College-at-Large	2018
Allison Prash	College-at-Large	2020
Lisa Langstraat	College-at-Large	2020
<b>Natural Resources</b>		
Monique Rocca	Ecosystem Science and Sustainability	2020
Julie Savidge (Fall 2016 and 2017; Barry Noon (Spring 2017 and 2018)	Fish, Wildlife, & Conservation Biology	2018
Chad Hoffman	Forest and Rangeland Stewardship	2020
William Sanford	Geosciences	2020
Tara Teel	HDNR in Warner College	2020
<b>Natural Sciences</b>		
Jennifer Nyborg	Biochemistry and Molecular Biology	2019
Melinda Smith	Biology	2018
George Barisas	Chemistry	2020
Ross McConnell	Computer Science	2019
Yongcheng Zhou	Mathematics	2020
<b>TBD</b>	<b>Physics</b>	<b>2017</b>
Silvia Canetto	Psychology	2019
Mary Meyer	Statistics	2019
Chuck Anderson	College-at-Large	2020
Anton Betten	College-at-Large	2019
Janice Moore	College-at-Large	2018
Brad Conner	College-at-Large	2018
Alan Van Orden	College-at-Large	2020

**Veterinary Medicine & Biomedical Sciences**

C.W. Miller	Biomedical Sciences	2019
Dean Hendrickson	Clinical Sciences	2019
Elizabeth Ryan	Environmental & Radiological Health Sciences	2020
Alan Schenkel	Microbiology, Immunology and Pathology	2018
Noreen Reist	College-at-Large	2020
Jennifer Peel	College-at-Large	2020
William Black	College-at-Large	2020
Marie Legare	College-at-Large	2019
Anne Avery	College-at-Large	2019
Tod Clapp	College-at-Large	2019
Dawn Duval	College-at-Large	2019
Patrick McCue	College-at-Large	2018
Stuart Tobet	College-at-Large	2018
DN Rao Veeramachaneni	College-at-Large	2018

**University Libraries**

Nancy Hunter	Libraries	2019
Michelle Wilde	At-Large	2019

***Ex Officio* Voting Members**

Timothy Gallagher	Chair, Faculty Council/Executive Committee	2018
Sue Doe	Vice Chair, Faculty Council	2018
Margarita Lenk	BOG Faculty Representative	2018
Don Estep, Chair	Committee on Faculty Governance	2019
Todd Donovan, Chair	Committee on Intercollegiate Athletics	2017
Nancy Hunter, Chair	Committee on Libraries	2019
Jenny Morse, Chair	Committee on Non-Tenure Track Faculty	2020
Marie Legare, Chair	Committee on Responsibilities & Standing of Academic Faculty	2018
Donald Samelson, Chair	Committee on Scholarship Research and Graduate Education	2019
Karen Barrett, Chair	Committee on Scholastic Standards	2019
Katharine Leigh, Chair	Committee on Strategic and Financial Planning	2019
Matt Hickey, Chair	Committee on Teaching and Learning	2019
Patricia Rettig, Interim Chair	Committee on University Programs	2018
Carole Makela, Chair	University Curriculum Committee	2018

***Ex-Officio Non-Voting Members***

Anthony Frank	President
Rick Miranda	Provost/Executive Vice President
Brett Anderson	Special Advisor to the President
Kim Tobin	Vice President for Advancement
Mary Ontiveros	Vice President for Diversity
Louis Swanson	Vice Provost for Engagement/Director of Extension
Robin Brown	Vice President for Enrollment and Access
Dan Bush	Vice Provost for Faculty Affairs
Patrick Burns	Vice President for Information Technology/Dean Libraries
Jim Cooney	Vice Provost for International Affairs
Tom Milligan	Vice President for Public Affairs
Alan Rudolph	Vice President for Research
Blanche M. Hughes	Vice President for Student Affairs
Kelly Long	Vice Provost for Undergraduate Affairs
Lynn Johnson	Vice President for University Operations
Ajay Menon	Dean, College of Agricultural Sciences
Jeff McCubbin	Dean, College of Health and Human Sciences
Beth Walker	Dean, College of Business
David McLean	Dean, College of Engineering
Jodie Hanzlik	Dean, Graduate School
Ben Withers	Dean, College of Liberal Arts
Jan Nerger	Dean, College of Natural Sciences
Mark Stetter	Dean, College of Vet. Medicine & Biomedical Sciences
John Hayes	Dean, Warner College of Natural Resources
Shannon Wagner	Chair, Administrative Professional Council

## FACULTY COUNCIL STANDING /ADVISORY COMMITTEES

July 1, 2017 - June 30, 2018

(three-year terms unless otherwise indicated)

### Executive Committee (one-year terms)

Chair	Timothy Gallagher	2018
Vice-Chair	Sue Doe	2018
Agricultural Sciences	Scott Nissen	2018
<b>Health and Human Sciences</b>	<b>TBD</b>	<b>2018</b>
Business	Stephen Hayne	2018
Engineering	Steven Reising	2018
Liberal Arts	Steven Shulman	2018
Natural Resources	William Sanford (Fall 2017) Monique Rocca (Spring 2018)	2018
Natural Sciences	George Barisas	2018
Veterinary Medicine and Biomedical Sciences	Anne Avery	2018
University Libraries	Nancy Hunter	2018
Faculty Representative to BOG	Margarita Lenk	2018
Office of the Provost ( <i>ex officio</i> *)	Rick Miranda, Provost/Executive Vice President	
Previous FC Chair	Mary Stromberger ( <i>ex officio</i> non-voting)	
Staff Support	Rita Knoll, Executive Assistant	

### Committee on Faculty Governance

Agricultural Sciences	Ruth Hufbauer	2020
Health and Human Sciences	Scott Shuler	2020
Business	Leo Vijayasaraty	2019
Engineering	Steve Reising, Co-Chair	2019
Liberal Arts	Emily Moore	2018
Natural Resources	Troy Ocheltree	2019
Natural Sciences	Don Estep, Chair	2019
Veterinary Medicine and Biomedical Sciences	Quinton Winger	2018
University Libraries	Allison Level	2018
Faculty Council Chair ( <i>ex officio</i> )	Timothy Gallagher	

### Committee on Intercollegiate Athletics

Agricultural Sciences	Andrew Seidl	2019
Health and Human Sciences	Karen Hyllegard	2019
Business	Todd Donovan, Chair	2020
Engineering	Stephen Milton	2019
Liberal Arts	Kyle Saunders	2018
Natural Resources	Kevin Crooks	2019
Natural Sciences	Shane Kanatous	2020
Veterinary Medicine and Biomedical Sciences	Craig Webb	2018
University Libraries	Mark Shelstad	2020
Student Representative (Undergraduate)	To be elected	2018
Student Representative (Graduate)	To be elected	2018



Faculty Representative to Athletics ( <i>ex officio</i> )	James Francis
Director of Intercollegiate Athletics ( <i>ex officio</i> )	Joe Parker
Faculty Council Chair ( <i>ex officio</i> )	Timothy Gallagher

### **Committee on Libraries**

Agricultural Sciences	Kellie Enns	2020
Health and Human Sciences	Mehmet Ozbek	2020
Business	Laurence Johnson	2018
Engineering	Mazdak Arabi	2019
Liberal Arts	Hye Seung Chung	2020
Natural Resources	Jerry Magloughlin	2019
Natural Sciences	Martin Gelfand	2018
Veterinary Medicine and Biomedical Sciences	Noreen Reist	2018
University Libraries	Nancy Hunter, Chair	2019
Student Representative (Undergraduate)	To be elected	2017
Student Representative (Graduate)	To be elected	2017
Dean, Libraries ( <i>ex officio</i> )	Patrick Burns	
Vice President for Research ( <i>ex officio</i> )	Jessica Prenni	
Staff Support - Assistant to the Dean of Libraries	Becky Tamlin	
Faculty Council Chair ( <i>ex officio</i> )	Timothy Gallagher	

### **Committee on Responsibilities and Standing of Academic Faculty**

Agricultural Sciences	Jennifer Martin	2018
Health and Human Sciences	Svetlana Olbina	2020
<b>Business</b>	<b>TBD</b>	<b>2018</b>
Engineering	Christian Puttlitz	2019
Liberal Arts	Tim Amidon	2018
Natural Resources	Mike Falkowski	2020
Natural Sciences	Richard Eykholt	2020
Veterinary Medicine and Biomedical Sciences	Marie Legare, Chair	2020
University Libraries	Linda Meyer	2018
Faculty Council Chair ( <i>ex officio</i> )	Timothy Gallagher	

### **Committee on Scholarship, Research, and Graduate Education**

Agricultural Sciences	Gregory D. Graff	2019
Health and Human Sciences	Juyeon Park	2020
Business	Donald Samelson, Chair	2018
Engineering	Sid Suryanarayanan	2019
Liberal Arts	Johnny Plastini	2018
Natural Resources	Bill Sanford	2019
Natural Sciences	Melinda Smith	2018
Veterinary Medicine and Biomedical Sciences	Russ Anthony	2018
University Libraries	Allison Level	2019
Student Representative (Graduate)	To be elected	2018
Dean - Graduate School ( <i>ex officio</i> )	Jodie Hanzlik	

Office Vice President for Research (*ex officio*) Hank Gardner, Associate Vice President  
for Research

Staff Support - Assistant to Dean of Graduate School Ludy Avalos  
Faculty Council Chair (*ex officio*) Timothy Gallagher

### **Committee on Scholastic Standards**

Agricultural Sciences	Paul Ode	2018
Health and Human Sciences	Karen Barrett, Chair (2017-18)	2019
Business	Yolanda Sarason	2019
Engineering	Ketul Popat	2018
Liberal Arts	Jason Frazier	2020
Natural Resources	Liba Goldstein	2018
<b>Natural Sciences</b>	<b>Debbie Crans</b>	<b>2017</b>
Veterinary Medicine and Biomedical Sciences	Kristy Dowers	2020
University Libraries	Kristy Nowak	2019
Office of the Provost ( <i>ex officio</i> )	Madlyn D'Andrea - Director of CASA	
Faculty Council Chair ( <i>ex officio</i> )	Timothy Gallagher	

### **Committee on Non-Tenure Track Faculty**

Health and Human Sciences	Patty Stutz-Tanenbaum	2019
Ag Sciences	Matt Camper	2018
Business	Jenny Morse, Chair	2020
Engineering	Dan Baker	2020
Liberal Arts	Natalie Barnes	2018
Libraries	Tobin Magle	2019
Natural Resources	Natalie Ooi	2018
Natural Sciences	Steve Benoit	2019
Veterinary Medicine and Biomedical Sciences	Leslie Stone-Roy	2019
Regular Faculty – Liberal Arts	Sue Doe	2018
<b>Regular Faculty - HHS</b>	<b>David Greene</b>	<b>2017</b>
Faculty Council Chair ( <i>ex officio</i> )	Timothy Gallagher	

### **Committee on Strategic and Financial Planning**

Agricultural Sciences	Gregory Perry	2018
Health and Human Sciences	Katharine Leigh, Chair	2019
Business	Rob Schwebach	2018
Engineering	Chuck Shackelford	2020
Liberal Arts	John Straayer	2018
Natural Resources	John Ridley	2019
Natural Sciences	George Barisas	2018
Veterinary Medicine and Biomedical Sciences	Jeff Wilusz	2019
University Libraries	Daniel Draper	2020
Student Representative (Undergraduate)	To be elected	2018
Student Representative (Graduate)	To be elected	2018
Office of the Provost ( <i>ex officio</i> )	Laura Jensen, Associate Provost	

College Dean Representative ( <i>ex officio</i> )	John Hayes, WCNR
Non-Tenure Track Faculty Representative	Jenny Morse
Administrative Professional Council Chair	Shannon Wagner ( <i>ex officio</i> voting)
Classified Personnel Chair ( <i>ex officio</i> )	Stacey Baumgarn
Faculty Council Chair ( <i>ex officio</i> )	Timothy Gallagher

### **Committee on Teaching and Learning**

Agricultural Sciences	Shawn Archibeque	2019
Health and Human Sciences	Matt Hickey, Chair	2019
Business	Lumina Albert	2018
Engineering	Karan Venayagamoorthy	2019
Liberal Arts	Aparna Gollapudi	2018
Natural Resources	Randy Boone, Secretary (2016-'17)	2019
Natural Sciences	Benjamin Clegg	2019
Veterinary Medicine and Biomedical Sciences	Jennifer McLean	2020
University Libraries	Merinda McLure	2019
Student Representative (Undergraduate)	To be elected	2018
Student Representative (Graduate)	To be elected	2018
VP for Student Affairs Office ( <i>ex officio</i> )	Jody Donovan, Assoc. Dean for Students	
Office of the Provost/ The Institute for Learning and Teaching	Dan Bush, Vice Provost for Faculty Affairs and Gwen Gorzelsky, Director, TILT	
Registrar's Office ( <i>ex officio</i> )	D. Tobiassen Baitinger, Associate Registrar	
Faculty Council Chair ( <i>ex officio</i> )	Timothy Gallagher	

### **Committee on University Programs**

Agricultural Sciences	Tanja Hess	2018
Health and Human Sciences	Thorsten Rudroff	2018
Business	Tian Wang	2018
Engineering	Jeff Collett	2018
Liberal Arts	Jose Luis Suarez-Garcia	2020
Natural Resources	Stuart Cottrell	2018
Natural Sciences	Anireddy Reddy	2020
Veterinary Medicine and Biomedical Sciences	Mo Salman	2019
University Libraries	Patricia Rettig (Interim Chair)	2019
Student Representative (Undergraduate)	To be elected	2018
Student Representative (Graduate)	To be elected	2018
Office Vice President for Research ( <i>ex officio</i> )	Hank Gardner, Assoc. Vice Pres. for Research	
Staff Support	Linda Foster - Office of the VPR- CIOUSU	
	Record Keeping	
Faculty Council Chair ( <i>ex officio</i> )	Timothy Gallagher	

**University Curriculum Committee**

Agricultural Sciences	Bradley Goetz	2020
Health and Human Sciences	Carole Makela, Chair	2018
Business	Paul Mallette	2018
Engineering	Brad Reisfeld	2018
Liberal Arts	Mike Hogan	2020
Natural Resources	Sally Sutton	2020
Natural Sciences	Martin Gelfand	2019
Veterinary Medicine and Biomedical Sciences	Doreene Hyatt	2020
University Libraries	Beth Oehlerts	2018
Student Representative (Undergraduate)	To be elected	2018
Student Representative (Graduate)	To be elected	2018
Office of the Provost ( <i>ex officio</i> )	Kelly Long, Vice Provost Undergraduate Affairs	
Staff Support - Curriculum and Catalog	Shelly Ellerby	
Faculty Council Chair ( <i>ex officio</i> )	Timothy Gallagher	

**APPENDIX A**  
**APPOINTED ACADEMIC FACULTY REPRESENTATIVES**  
**UNIVERSITY COMMITTEES**  
**(3 years if not specified by Committee)**

<b>Committee</b>	<b>Contact Person</b>	<b>Appointee/Representative</b>	<b>Term</b>
Administrative Professional Council	Shannon Wagner, Chair	Tim Gallagher, Chair, FC	2018
Advisory Committee on Academic Affairs (ACUA)	Kelly Long, Vice Provost Undergraduate Affairs	Sue Doe, Vice Chair, FC	2018
Advisory Committee on Enrollments	Kelly Long, Vice Provost Undergraduate Affairs	Sue Doe, Vice Chair, FC	2017
Benefits Committee (4 year terms)		Academic Faculty Members: Gamze Cavdar	2021
		Kim Henry	2020
		Hong Miao	2020
		Patty Stutz-Tanenbaum	2019
		Bolivar A. Senior	2018
		Jennifer Bissell (Chair) TBD	2017 2017
Board of Governors Award for Excellence in Undergraduate Education	Kelly Long, Vice Provost Undergraduate Affairs	Tim Gallagher, Chair, FC 2017 Recipient Rep. - CoTL	2018
Cabinet	Tony Frank, President	Tim Gallagher, Chair, FC	2018
Campus Safety Advisory Committee	Mark Gill, Chief of Staff ASCSU President	Tim Gallagher, Chair, FC	2018
Classified Personal Council	Stacey Baumgarn, Chair	Tim Gallagher, Chair, FC	2018
Classified Personal Council Outstanding Achievement Award	Stacey Baumgarn, Chair	Tim Gallagher, Chair, FC	2018
Commitment to Campus Advisory Committee	Robert Schur, Director, Office of Policy and Compliance	Tim Gallagher, Chair, FC	2018
Committee on College Articulation and Agreements	Kelly Long, Vice Provost Undergraduate Affairs	Sue Doe, Vice Chair, FC	2018
Controlled Enrollments Subcommittee	Kelly Long, Vice Provost Undergraduate Affairs	Appointment by University Curriculum Committee	2018
Council of Deans	Rick Miranda - Provost/ Executive Vice President	Tim Gallagher, Chair, FC (voting member) Chair, CoSFP (non-voting)	2018

Discipline Panel	Melissa Emerson, Director Student Resolution Center	Academic Faculty Members:	
		Bradley T. Conner	2020
		Katie L. Gibson	2020
		Alan Van Orden	2018
		Brett Johnson	2018
		Ted Watson	2018
		Iuliana Oprea	2018
		Dawn Grapes	2017
		Beth Oehlerts	2017
		Margarita Lenk	2017
Employee Appreciation Board	Colleen Timothy	Margarita Lenk	2017
Grievance Panel	Richard Eykholt, UGO (2018) Sharon Anderson, UM (2017) Paul Bell, UM (2017) Peter Jacobs, UM (2017)	Academic Faculty Members:	
		Antonio Pedros-Gascon	2020
		Frank Peairs	2019
		Matthew Johnston	2019
		Richard Slayden	2019
		TBD	2019
		TBD	2019
		TBD	2019
		TBD	2019
		Naomi Lederer	2018
		Piotr Kokoszka	2018
		Yu Wei	2018
		Steve Rutledge	2018
		Iuliana Oprea	2018
		TBD	2018
		TBD	2018
		Zach Hutchins	2017
Gamze Cavdar	2017		
Ross McConnell	2017		
TBD	2017		
TBD	2017		
TBD	2017		
TBD	2017		
Honorary Degree Committee	Brett Anderson, VP University Advancement Tim Gallagher, Chair FC	UDTS	2018
		UDS	2018
		CoSRGE rep	2018
		Jodie Hanzlik	2018
		Dan Bush	2018
		Dean rep	2018
Information Technology Executive Committee	Patrick Burns, Vice President for Information Technology	Louis Bjostad	2018

Joan Gaynor Kuder Scholarship	Karen Rewinkle	Sue Doe, Vice Chair, FC	2018
Osher Re-Entry Scholarship	Tim Weddington	Tim Gallagher, Chair FC	2018
Parking Services Committee - 2 yr terms	David Bradford, Director Parking and Transportation Services	Michael Pante Christos Papadopoulos	2017 2017
Physical Development Committee	Thomas Satterly, Assoc. Vice President for Facilities Management	Carl Burghardt	2017
President's Commission on Diversity and Inclusion	Mary Ontiveros, Vice President for Diversity	Tim Gallagher, Chair, FC Becki Atadero Albert Bimper Anita Bundy Mohammed Hirchi Jimena Sagas	2018
President's Commission on Women and Gender Equity	Sue James, Commission Chair	Sue James Zinta Byrne Kelly Curl Debbie Crans Debra Horensky TBD	2018 2018 2018 2018 2018
President's Sustainability Committee	Becca Wren	Margarita Lenk	2018
Programs of Research and Scholarly Excellence	Alan Rudolph, Vice President for Research	Rep. - Committee on Strategic and Financial Planning Rep. - Committee on Scholarship, Research and Graduate Education	2018

## Parliamentary Motions—Quick Reference

2015

These are the thirteen ranking motions. When any motion on the list is pending, no motion of a lower rank is in order. Main motions are the lowest in order and may be made only when no other business is pending.

The five motions at the top of the chart are *Privileged Motions* that do not relate to pending business, but relate to special matters of immediate and overriding importance and are allowed to interrupt the consideration of anything else.

Motions below the blank line are *Subsidiary Motions* and assist the assembly in treating or disposing of a main motion.

Name of Motion	Requires Second	Debatable	Amendable	Vote Required for Adoption
Fix the Time to Which to Adjourn	Yes	No	Yes	Majority
Adjourn	Yes	No	No	Majority
Recess	Yes	No	Yes	Majority
Raise a Question of Privilege	No	No	No	Chair Decides
Call for Orders of the Day	No	No	No	Chair Decides
Lay on the Table	Yes	No	No	Majority
Previous Question	Yes	No	No	Two-thirds
Limit or Extend Limits of Debate	Yes	No	Yes	Two-thirds
Postpone to a Certain Time	Yes	Yes	Yes	Majority
Commit (Refer to another group)	Yes	Yes	Yes	Majority
Amend	Yes	Yes	Yes	Majority
Postpone Indefinitely	Yes	Yes	No	Majority
Main Motion	Yes	Yes	Yes	Majority

### Interrupting Incidental Motions

These motions require immediate recognition by the Chair, who interrupts a speaker, if necessary.

- Request for Information
- Parliamentary Inquiry
- Point of Order
- Division of the Assembly
- Appeal from a Decision of the Chair

### Non-interrupting Incidental Motions

- Division of a Question
- Suspend the Rules

### Motions Bringing a Question Again Before the Assembly

- Take from the Table
- Rescind/amend Something Previously Adopted
- Discharge a Committee
- Reconsider



## PARLIAMENTARY MOTIONS - WHAT THEY MEAN

1. Fix the Time to adjourn - purpose is to set the time (and /or place) for another meeting to continue business of the session. It has no effect on when the present meeting will adjourn.
2. Adjourn - means to close the meeting. A privileged motion to adjourn is to close the meeting immediately. It is not a privileged motion if qualified in any way, as to adjourn at, or to, a future time.
3. Suspend the Rules - generally used to permit the assembly to do something which would violate its general rules (except bylaws) such as changing agenda order or considering an item not on the agenda.
4. Lay on the Table - enables the assembly to lay the pending question aside temporarily when something more urgent has arisen. Its effect is to halt consideration of a question immediately, without debate.
5. Previous Question - the motion used to bring the assembly to an immediate vote on one or more pending questions. It is used to immediately close debate and prevents the making of subsidiary motions except to lay on the table.
6. Limit or Extend Debate - one of two motions the assembly can use to exercise special control over debate on a pending question. It can be used to reduce the number or length of speeches, or to require an end to debate at a particular time. It can also be used to increase the time available to speakers or to the deliberation on the question.
7. Postpone to a Certain Time (definitely) - a motion to defer discussion of a pending question to a definite day, meeting, hour, or until after a certain event. This motion can be used regardless of how much debate there has been on the motion it proposes to postpone.
8. Commit or Refer to Committee - this is generally used to send a pending question to a committee so that the question may be investigated, providing the assembly with more information or a recommendation, or to put the motion into better form (in clearer or better wording) for the assembly to consider.
9. Amend - a motion to modify the wording--and to some extent the meaning -- of a pending question before the assembly. A pending motion may be modified by adding or deleting words and phrases, or by a combination of these--i.e., to strike out some words and insert others. It can also be used to substitute one paragraph or the entire text of a resolution or main motion. Amendments must be germane to the main motion.
10. Postpone Indefinitely - a motion which means the assembly declines to take a position on the main question. Its adoption kills the main motion and avoids a direct vote on the question.
11. Main motion - the motion which brings any general matter of business before the assembly. Any formal proposal.
12. Reconsider - enables a majority in an assembly to bring back for further consideration a motion which has already been voted on. Complex rules.
13. Rescind or Amend - motions which enable an assembly to change and action previously taken. An entire motion or any part of it may be rescinded or amended.

A regular meeting of the University Curriculum Committee was held on April 28, 2017 at 2:00 p.m.

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

**Curriculum Unit:** Shelly Ellerby and Kayleen Allen.

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

**Absent:** Undergraduate Student Representative.

#### Minutes

The Minutes of April 14, 2017 were approved.

#### Consent Agenda

Approved.

<i>New Course</i>	<i>Effective Term</i>
<b>ANTH 333 Anthropology of Sex and Reproduction 3(3-0-0) F, S, SS</b> <b>Prerequisite:</b> ANTH 100 or ANTH 200. <b>Registration Information:</b> Sophomore standing. Sections may be offered: Online. <b>Description:</b> Contemporary scholarship on issues in the anthropology of reproduction, including the relationship between production and reproduction and between the corporeal body and the body politic, the disciplinary power of the state, public controversies such as abortion and maternal-fetal conflict, and the symbolism and metaphors of procreation and parenthood. We will use "reproduction" as an analytic strategy to shed light on the cultural politics of gender, power, and sexuality. <b>Grade Mode:</b> Traditional	Spring 2018
<b>DSCI 369 Linear Algebra for Data Science 4(4-0-0) F</b> <b>Prerequisite:</b> MATH 124; MATH 126. <b>Registration Information:</b> None. <b>Description:</b> Techniques in linear algebra related to data science. Matrices, bases, subspaces, linear independence, dimension, change of basis, projections, linear systems of equations, least squares, matrix factorizations. Singular value decomposition, angles between subspaces. <b>Grade Mode:</b> Traditional.	Fall 2018
<b>DSCI 473 Introduction to Geometric Data Analysis 2(2-0-0) F</b> <b>Permanent Partial Semester:</b> Yes. <b>Prerequisite:</b> DSCI 369. <b>Registration Information:</b> This is a partial semester course. <b>Description:</b> Geometric techniques for analyzing high-dimensional and complex data. Techniques for data reduction and analysis. <b>Grade Mode:</b> Traditional.	Spring 2018
<b>EDCO 675 Mental Health Counseling and Treatment 3(2-0-1) S</b> <b>Offering Year:</b> Odd. <b>Prerequisite:</b> EDCO 650; EDCO 693. <b>Restriction:</b> Must be a: Graduate, Professional. <b>Registration Information:</b> Must register for lecture and recitation. <b>Description:</b> The clinical mental health counseling (CMHC) field and counseling treatment, with a focus on emerging current trends, multicultural considerations, professional issues, and credentialing of CMHCs. Topics include clinical interviewing, case conceptualizations, and treatment and diagnosis of specialty populations. <b>Grade Mode:</b> Traditional.	Spring 2018

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**LGEN 698 Research: Project 3(0-0-3)** Spring 2018

**Prerequisite:** LGEN 510.

**Registration Information:** Must be a: Graduate, Professional.

**Description:** None.

**Grade Mode:** S/U Sat/Unsat Only

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**LSPA 340 Spanish for Animal Health and Care Fields 3(1-0-2) F** Fall 2018

**Prerequisite:** LSPA 200.

**Registration Information:** Placement exam can substitute for course prerequisite. Credit not allowed for both LSPA 280A2 and LSPA 340. Sections may be offered as Mixed Face-to-Face or Online.

**Description:** Develop intermediate-mid level communication skills in Spanish for students in animal care fields. Specific terminology and the basic linguistic skills necessary to communicate about veterinary care and proper handling of livestock. All targeted linguistic forms, communicative activities and assessments are task-based and practical in nature.

**Grade Mode:** Traditional.

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**POLS 347 Comparative Authoritarianism 3(3-0-0) S** Spring 2018

**Prerequisite:** POLS 241.

**Registration Information:** Sophomore standing. Credit not allowed for both POLS 347 and POLS 380A3.

**Description:** Explore non-democratic regimes in the world and the dynamics precipitating the emergence and breakdown of authoritarianism.

**Grade Mode:** Traditional.

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### *Study Abroad Courses*

### *Effective Term*

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**AGRI 582A Study Abroad: Field Applications in Sustainable Agriculture 1(0-0-2) F, S**

Fall 2017

**1<sup>st</sup> offering request**

**Permanent Partial Semester:** Yes.

**Prerequisite:** AGRI 510.

**Registration Information:** This is a partial semester course. A minimum grade point average of 2.5.

**Description:** Travel to Todos Santos, Mexico for a seven day experience where in-the-field skills in sustainable agriculture are practiced. Investigate and implement the unique, real-time initiatives developed in class while in Todos Santos.

**Grade Mode:** Traditional.

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**E 382A Study Abroad: Reading and Writing the Zambia Experience 3(0-0-3) SS**

Summer 2017

**2<sup>nd</sup> offering request**

**Permanent Partial Semester:** Yes.

**Prerequisite:** Completion of AUCC Category 2.

**Registration Information:** None.

**Description:** Community education and health initiatives in Livingstone, Zambia, in the context of fiction and nonfiction about such development work.

**Grade Mode:** Traditional.

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<i>Major Changes to Courses</i>	<i>Effective Term</i>
<p><b>ECON 487 Internship Var. 1-3 F, S, SS</b></p> <p><b>Prerequisite:</b> <a href="#">ECON 202 with a C or better; ECON 204 with a C or better.</a> <del>None.</del></p> <p><b>Registration Information:</b> <a href="#">Written consent of instructor. Sections may be offered: Online. Economics majors and minors only.</a></p> <p><b>Description:</b> <a href="#">Supervised work experience integrating disciplinary learning and career exploration.</a></p> <p><b>Grade Mode:</b> <a href="#">S/U Sat/Unsat Only</a> <del>Instructor Option</del></p>	Spring 2018
<p><b>ECON 495 Independent Study Var. <del>1-3</del> 1-18 F, S, SS</b></p> <p><b>Prerequisite:</b> None.</p> <p><b>Registration Information:</b> <a href="#">Written consent of instructor. Sections may be offered: Online.</a></p> <p><b>Description:</b> <a href="#">Individual investigation of a special topic in economics under direction of faculty.</a></p> <p><b>Grade Mode:</b> Instructor Option</p>	Spring 2018
<p><b>GEOL 110 Introduction to Geology – Parks and Monuments 3(3-0-0) F, S, SS</b></p> <p><b>Prerequisite:</b> None.</p> <p><b>Registration Information:</b> Credit allowed for only one of the following GEOL 110, GEOL 120, GEOL 122, GEOL 124, GEOL 150. Offered <del>only</del> <a href="#">as an online course only.</a></p> <p><b>Description:</b> Understanding the physical processes, natural hazards, earth materials, and natural resources of planet Earth, and the relationship of humans to this planet. Outstanding examples of natural features from national and local parks and monuments, using narrated high-resolution (including aerial) video.</p> <p><b>Grade Mode:</b> Traditional. [approved as new <a href="#">AUCC 3A: Biological/Physical Sciences</a>]</p>	Spring 2018
<p><b>POLS 435 United States Foreign Policy 3(3-0-0) <del>F, S,</del> SS</b></p> <p><b>Prerequisite:</b> POLS 232.</p> <p><b>Registration Information:</b> <a href="#">Sophomore standing. Sections may be offered: Online.</a></p> <p><b>Description:</b> Institutions, responsibilities, processes, and issues in formulation and execution of U.S. foreign policy.</p> <p><b>Grade Mode:</b> <a href="#">Traditional</a> <del>Student Option</del></p>	Spring 2018



*New Degree – a separate Special Action memo will be sent to Faculty Council for review*

Warner College of Natural Resources  
Department of Ecosystem Science & Sustainability  
Ph.D. in Watershed Science

Effective Spring 2018

Code	Title	Credits
<b>Required Foundation Courses</b>		
<a href="#"><u>GRAD 544</u></a>	Ethical Conduct of Research	1
<a href="#"><u>WR 692</u></a>	Seminar	1
<b>Discussion Courses</b>		
Select at least 3 credits from the following:		3
<a href="#"><u>WR 574</u></a>	Advanced Snow Hydrology	
<a href="#"><u>WR 616</u></a>	Hillslope Hydrology and Runoff Processes	
<b>Quantitative Courses</b>		
Select at least 3 credits from the following:		3
<a href="#"><u>NR 512</u></a>	Spatial Statistical Modeling-Natural Resources	
<a href="#"><u>NR 523/STAT 523</u></a>	Quantitative Spatial Analysis	
<a href="#"><u>STAT 511A</u></a>	Design and Data Analysis for Researchers I: R Software	
<a href="#"><u>STAT 511B</u></a>	Design and Data Analysis for Researchers I: SAS Software	
<a href="#"><u>STAT 512</u></a>	Design and Data Analysis for Researchers II	
<a href="#"><u>WR 674</u></a>	Data Issues in Hydrology	
<b>Skill Courses</b>		
Select at least 3 credits from the following:		3
<a href="#"><u>GEOL 551</u></a>	Groundwater Modeling	
<a href="#"><u>NR 503/GR 503</u></a>	Remote Sensing and Image Analysis	
<a href="#"><u>NR 505</u></a>	Concepts in GIS	
<a href="#"><u>WR 417</u></a>	Watershed Measurements	
<a href="#"><u>WR 419</u></a>	Water Quality Laboratory for Wildland Managers	
<a href="#"><u>WR 524/CIVE 524</u></a>	Modeling Watershed Hydrology	
<a href="#"><u>WR 575</u></a>	Snow Hydrology Field Methods	
<b>Depth and Breadth Courses</b>		
Select at least 6 credits from the following:		6
<a href="#"><u>AREC 542</u></a>	Applied Advanced Water Resource Economics	
<a href="#"><u>CIVE 413</u></a>	Environmental River Mechanics	
<a href="#"><u>CIVE 520</u></a>	Physical Hydrology	
<a href="#"><u>CIVE 544</u></a>	Water Resources Planning and Management	
<a href="#"><u>CIVE 613</u></a>	River Restoration Design	
<a href="#"><u>CIVE 622</u></a>	Risk Analysis of Water/Environmental Systems	

Code	Title	Credits
<u>CIVE 625</u>	Quantitative Eco-Hydrology	
<u>CIVE 626</u>	Integrated Analysis of Coupled Water Issues	
<u>ESS 501</u>	Principles of Ecosystem Sustainability	
<u>ESS 543/ATS 543</u>	Current Topics in Climate Change	
<u>ESS 660</u>	Biogeochemical Cycling in Ecosystems	
<u>GEOL 452</u>	Hydrogeology	
<u>GEOL 552</u>	Advanced Topics in Hydrogeology	
<u>GEOL 652</u>	Fluvial Geomorphology	
<u>NR 510</u>	Ecosystem Services: Theory and Practice	
<u>NR 577</u>	Wetland Ecology and Restoration	
<u>SOC 461</u>	Water, Society, and Environment	
<u>SOC 664</u>	Sociology of Water Resources	
<u>SOCR 522</u>	Micrometeorology	
<u>SOCR 540</u>	Soil-Plant-Nutrient Relationships	
<u>SOCR 670</u>	Terrestrial Ecosystems Isotope Ecology	
<u>WR 416</u>	Land Use Hydrology	
<u>WR 418</u>	Land Use and Water Quality	
<u>WR 510</u>	Watershed Management in Developing Countries	
<u>WR 511</u>	Water Resource Development	
<u>WR 512</u>	Water Law for Non-Lawyers	
<b>Research and Dissertation</b>		
<u>WR 798</u>	Research	2
<u>WR 799</u>	Dissertation	2

**Additional Credits (A maximum of 30 credits may be accepted from a master's degree toward the Ph.D.)** **51**

**Program Total Credits:** **72**

A minimum of 72 credits are required to complete this program.



## Major Changes to Existing Programs

### College of Engineering Interdisciplinary Minor in Biomedical Engineering

Effective Fall 2017

#### Effective ~~Spring 2013~~ Fall 2017

Students must satisfactorily complete the total credits required for the minor. Minors and interdisciplinary minors require 12 or more upper-division (300- to 400-level) credits.

Additional coursework may be required due to prerequisites.

~~The undergraduate program requires completion of a minimum of 21 credits with at least 12 credits greater than or equal to 300-level courses. All students are required to complete the 7 credits of Core Courses. The 14 credits of Selection Courses are chosen according to the student's major (engineering or non-engineering). Engineering students must take at least 14 credits from group II, and non-engineering students must take from 9-11 credits from group I and from 3-5 credits from group II, for a total of 14 credits.~~

Code	Title	Credits
<b>Core Courses</b>		
<u><b>BIOM 101</b></u> or <del><b>BIOM 470</b></del>	Introduction to Biomedical Engineering <del>Biomedical Engineering</del>	3
<u>Choose one course from the following:</u>		<u>4-5</u>
<u><b>BMS 300</b></u>	Principles of Human Physiology ( <i>Changed from required course to elective option</i> )	
<u><b>BMS 301</b></u>	<u>Human Gross Anatomy</u> ( <i>Moved from Course List II to elective option in core</i> )	
<u><b>BMS 360</b></u>	<u>Fundamentals of Physiology</u> ( <i>Moved from Course List II to elective option in core</i> )	
<del><b>Selection Courses (minimum of 14 credits)</b></del>		
<del><b>I. Engineering Courses for Non-Engineering Students:</b></del>		
<del>In order to fulfill the 21-credit program minimum, non-engineering students must select at least 9-11 credits from the following engineering-related courses:</del>		<del>9-11</del>
<del><b>II. Science, Engineering, Animal Research, Bioethics, and Entrepreneurship Courses:</b></del>		
<del>In order to fulfill the 21-credit program minimum, engineering students must select at least 14 credits from the following. Non-engineering students must select at least 3-5 credits.</del>		<del>3-14</del>
<u><b>Electives – Select the appropriate option below based on your major:</b></u>		<u>13-14</u>
<u><b>Non-Engineering Majors</b></u> <u>For courses that are included on both Course Lists below, credit may not be double-counted toward both requirements.</u>		
<u>Engineering and Related Courses for Non-Engineering Majors Course List – Select a minimum of 9 credits</u>		
<u>Science, Engineering, Animal Research, Bioethics, and Entrepreneurship Course List – Select a minimum of 3 credits</u>		
<u><b>Engineering Majors</b></u>		
<u>Science, Engineering, Animal Research, Bioethics, and Entrepreneurship Course List – Select a minimum of 13 credits</u>		

**Program Total Credits:**

**21**

Engineering and Related Courses for Non-Engineering Majors Course List (Non-Engineering majors must select a minimum of 9 credits from this list)

Code	Title	Credits
<u>BIOM 300</u>	Problem-Based Learning Biomedical Engr Lab	4
<del>BIOM 330</del>	<del>Course BIOM 330 Not Found</del>	
<del>BIOM 400</del>	<del>Course BIOM 400 Not Found</del>	
<u>BIOM 421</u>	<u>Transport Phenomena in Biomedical Engineering</u>	<u>3</u>
<u>BIOM 422</u>	<u>Kinetics of Biomolecular and Cellular Systems</u>	<u>3</u>
<u>BIOM 431/ECE 431</u>	<u>Biomedical Signal and Image Processing</u>	<u>3</u>
<u>BIOM 441</u>	Biomechanics and Biomaterials	3
<u>BIOM 525/MECH 525</u>	<u>Cell and Tissue Engineering</u>	<u>3</u>
<u>BIOM 533/CIVE 533</u>	<u>Biomolecular Tools for Engineers</u>	<u>3</u>
<u>BIOM 573/MECH 573</u>	<u>Structure and Function of Biomaterials</u>	<u>3</u>
<u>BIOM 574/MECH 574</u>	<u>Bio-Inspired Surfaces</u>	<u>3</u>
<u>CBE 201</u>	Material and Energy Balances	3
<u>CBE 210</u>	Thermodynamic Process Analysis	3
<u>CBE 320</u>	Chemical and Biological Reactor Design	3
<u>CBE 331</u>	Momentum Transfer and Mechanical Separations	3
<u>CBE 332</u>	Heat and Mass Transfer Fundamentals	3
<u>CBE 406</u>	Introduction to Transport Phenomena	3
<u>CBE 430</u>	Process Control and Instrumentation	3
<u>CIVE 260</u>	Engineering Mechanics-Statics	3
<u>CIVE 261</u>	Engineering Mechanics-Dynamics	3
<u>ECE 202</u>	Circuit Theory Applications	4
<u>ECE 204</u>	Introduction to Electrical Engineering	3
<del>ECE 303/STAT 303</del>	<del>Introduction to Communications Principles</del>	<del>3</del>
or <del>STAT 315</del>	<del>Statistics for Engineers and Scientists</del>	
<u>ECE 331</u>	Electronics Principles I	4
<u>ECE 341</u>	Electromagnetic Fields and Devices I	3
<u>MECH 237</u>	Introduction to Thermal Sciences	3
<u>MECH 307</u>	Mechatronics and Measurement Systems	4
<u>MECH 331</u>	Introduction to Engineering Materials	4
<u>MECH 342</u>	Mechanics and Thermodynamics of Flow Processes	3



<a href="#">A maximum of 1 course may be selected from the following non-engineering and independent study/practicum courses; a maximum of 3 credits of BIOM 495 may be counted toward the minor.</a>	
<a href="#">BIOM 476A</a> or <a href="#">BIOM 476B</a>	Biomedical Clinical Practicum I Biomedical Clinical Practicum II
<a href="#">BIOM 495</a>	<a href="#">Independent Study</a>
<a href="#">ECE 303/STAT 303</a>	<a href="#">Introduction to Communications Principles</a>
<a href="#">MATH 340</a>	Introduction to Ordinary Differential Equations
<a href="#">PH 245</a>	Introduction to Electronics
<a href="#">STAT 315</a>	<a href="#">Statistics for Engineers and Scientists</a>

[Science, Engineering, Animal Research, Bioethics, and Entrepreneurship Course List \(Engineering majors must select a minimum of 13 credits from this list; Non-Engineering majors must select a minimum of 3 credits from this list\)](#)

Code	Title	Credits
<a href="#">BC 351</a>	Principles of Biochemistry	4
<a href="#">BIOM 300</a>	Problem-Based Learning Biomedical Engr Lab	4
<a href="#">BIOM 330</a>	<a href="#">Course BIOM 330 Not Found</a>	
<a href="#">BIOM 400</a>	<a href="#">Course BIOM 400 Not Found</a>	
<a href="#">BIOM 421</a>	<a href="#">Transport Phenomena in Biomedical Engineering</a>	<a href="#">3</a>
<a href="#">BIOM 422</a>	<a href="#">Kinetics of Biomolecular and Cellular Systems</a>	<a href="#">3</a>
<a href="#">BIOM 431/ECE 431</a>	<a href="#">Biomedical Signal and Image Processing</a>	<a href="#">3</a>
<a href="#">BIOM 441</a>	Biomechanics and Biomaterials	3
<a href="#">BIOM 476A</a> or <a href="#">BIOM 476B</a>	Biomedical Clinical Practicum I Biomedical Clinical Practicum II	2
<a href="#">BIOM 495</a>	<a href="#">Independent Study</a>	<a href="#">1-6</a>
<a href="#">BIOM 525/MECH 525</a>	<a href="#">Cell and Tissue Engineering</a>	<a href="#">3</a>
<a href="#">BIOM 533/CIVE 533</a>	<a href="#">Biomolecular Tools for Engineers</a>	<a href="#">3</a>
<a href="#">BIOM 573/MECH 573</a>	<a href="#">Structure and Function of Biomaterials</a>	<a href="#">3</a>
<a href="#">BIOM 574/MECH 574</a>	<a href="#">Bio-Inspired Surfaces</a>	<a href="#">3</a>
<a href="#">BMS 301</a>	<a href="#">Human Gross Anatomy</a>	<a href="#">5</a>
<a href="#">BMS 325</a>	Cellular Neurobiology	3
<a href="#">BMS 345</a>	Functional Neuroanatomy	4
<a href="#">BMS 360</a>	<a href="#">Fundamentals of Physiology</a>	<a href="#">4</a>
<a href="#">BMS 405</a>	Nerve and Muscle-Toxins, Trauma and Disease	3
<a href="#">BMS 420</a>	Cardiopulmonary Physiology	3
<a href="#">BMS 430</a>	Endocrinology	3
<a href="#">BZ 310</a>	Cell Biology	4

Code	Title	Credits
<u>CHEM 113</u>	General Chemistry II	3
<u>CHEM 245</u>	Fundamentals of Organic Chemistry	4
<u>CHEM 341</u> or <u>CHEM 345</u>	Modern Organic Chemistry I Organic Chemistry I	3
<u>CHEM 344</u>	Modern Organic Chemistry Laboratory	2
<u>HES 207</u>	Anatomical Kinesiology	3
<u>HES 307</u>	Biomechanical Principles of Human Movement	4
<u>HES 403</u>	Physiology of Exercise	4
<del><u>HES 405</u></del>	<del>Exercise Testing Instrumentation</del>	<del>2</del>
<u>HES 420</u>	Electrocardiography and Exercise Management	3
<u>HES 476</u>	Exercise and Chronic Disease	3
<u>LIFE 102</u>	Attributes of Living Systems (GT-SC1)	4
<u>LIFE 103</u>	Biology of Organisms-Animals and Plants	4
<u>LIFE 210</u>	Introductory Eukaryotic Cell Biology	3
<u>MIP 300</u>	General Microbiology	3
<u>OT 215</u>	Medical Terminology	1
<u>PSY 456</u>	Sensation and Perception	3
<u>PSY 457</u>	Sensation and Perception Laboratory	2
<u>A maximum of one course, 3 credits, may be selected from the following non-technical courses:</u>		
<u>BUS 205</u>	Legal and Ethical Issues in Business	
<u>MGT 420</u>	New Venture Creation	
<u>MGT 440</u>	New Venture Management	
<u>PHIL 205</u>	Introduction to Ethics	
<u>PHIL 305E</u>	Philosophical Issues in the Professions: Animal Science	

± ~~Only 3 credits of non-technical courses may count toward requirements.~~



College of Liberal Arts  
Major in International Studies, Asian Studies Concentration

Effective Fall 2017

Effective Fall 2017 ~~Spring 2017~~

FRESHMAN		AUCC	CREDITS
<u>ANTH 200</u>	<u>Cultures and the Global System (GT-SS3)</u>	<u>3E</u>	<u>3</u>
<u>CO 150</u>	College Composition (GT-CO2)	1A	3
<u>GR 100</u>	Introduction to Geography (GT-SS2)	3C	3
<u>INST 200</u>	Interdisciplinary Approaches to Globalization	3E	3
<u>Select one from the following:</u>		-	<u>3</u>
<u>HIST 120</u>	<u>Asian Civilizations I (GT-HI1)</u>	<u>3D</u>	-
<u>HIST 121</u>	<u>Asian Civilizations II (GT-HI1)</u>	<u>3D</u>	-
<u>HIST 170</u>	<u>World History, Ancient-1500 (GT-HI1)</u>	<u>3D</u>	-
<u>HIST 171</u>	<u>World History, 1500-Present (GT-HI1)</u>	<u>3D</u>	-
Select one group from the following:			10
Group A:			
<del>LCHI 105</del>	<del>Course LCHI 105 Not Found</del>	-	-
<del>LCHI 107</del>	<del>Course LCHI 107 Not Found</del>	-	-
<u>LCHI 100</u>	<u>First-Year Chinese I</u>		
<u>LCHI 101</u>	<u>First-Year Chinese II</u>		
Group B:			
<del>LJPN 105</del>	<del>Course LJPN 105 Not Found</del>	-	-
<del>LJPN 107</del>	<del>Course LJPN 107 Not Found</del>	-	-
<u>LJPN 100</u>	<u>First-Year Japanese I</u>		
<u>LJPN 101</u>	<u>First-Year Japanese II</u>		
<u>Select one from the following:</u>		-	<u>3</u>
<u>POLS 232</u>	<u>International Relations (GT-SS1)</u>	<u>3E</u>	
<u>POLS 241</u>	Comparative Government and Politics (GT-SS1)	3E	
<del>Arts and Humanities</del>		<del>3B</del>	<u>3</u>
<del>Historical Perspectives</del>		<del>3D</del>	<u>3</u>
<u>Mathematics</u>		1B	3
<b>Total Credits</b>			<b>31</b>

<b>SOPHOMORE</b>			
Select one from the following:			3
<b><u>AREC 202</u></b>	Agricultural and Resource Economics (GT-SS1)	3C	
<b><u>ECON 202</u></b>	Principles of Microeconomics (GT-SS1)	3C	
<b><u>ECON 204</u></b>	<u>Principles of Macroeconomics (GT-SS1)</u>	<u>3C</u>	
<b><u>ECON 211</u></b>	<u>Gender in the Economy (GT-SS1)</u>	<u>3E</u>	
<b><u>ECON 240/AREC 240</u></b>	<u>Issues in Environmental Economics (GT-SS1)</u>	<u>3C</u>	
<b>Select one from the following:<sup>†</sup></b>		-	<b>3</b>
<b><u>HIST 120</u></b>	<b>Asian Civilizations I (GT-H1)</b>	<b>3D</b>	-
<b><u>HIST 121</u></b>	<b>Asian Civilizations II (GT-H1)</b>	<b>3D</b>	-
<b>Select one course from the following not taken elsewhere:<sup>‡</sup></b>		-	<b>3</b>
<b><u>HIST 120</u></b>	<b>Asian Civilizations I (GT-H1)</b>	<b>3D</b>	-
<b><u>HIST 121</u></b>	<b>Asian Civilizations II (GT-H1)</b>	<b>3D</b>	-
<b><u>HIST 440</u></b>	<b>Modern South Asia: Colonialism and Nationalism</b>	-	-
<b><u>HIST 451</u></b>	<b>Medieval China and Central Asia</b>	-	-
Select one group from the following:			10
Group A:			
<b><u>LCHI 200</u></b>	Second-Year Chinese I (GT-AH4)	3B	
<b><u>LCHI 201</u></b>	Second-Year Chinese II (GT-AH4)	3B	
Group B:			
<b><u>LJPN 200</u></b>	Second-Year Japanese I (GT-AH4)	3B	
<b><u>LJPN 201</u></b>	Second-Year Japanese II (GT-AH4)	3B	
<b>International Studies Major Course Selection</b>		-	<b>3</b>
<b><u>Advanced Writing</u></b>		2	<b>3</b>
<b><u>Arts and Humanities</u></b>		<u>3B</u>	<u>6</u>
<b><u>Biological and Physical Sciences</u></b>		3A	7
<b>Total Credits</b>			<b>29 32</b>
<b>JUNIOR</b>			
<b><u>INST 301</u></b>	Global Commodities across the Disciplines	4B	3
Select one group from the following:			6
Group A:			
<b><u>LCHI 304</u></b>	Third-Year Chinese I		
<b><u>LCHI 305</u></b>	Third-Year Chinese II		
Group B:			
<b><u>LJPN 304</u></b>	Third-Year Japanese I		
<b><u>LJPN 305</u></b>	Third-Year Japanese II		

<u>Arts and Humanities</u>		<del>3B</del>	3
Electives			2 6
		<b>Total Credits</b>	<b>30</b>
<b>SENIOR</b>			
<u>INST 492</u>	Seminar	4A,4C	3
International Studies Major Course Selection			12 9
Electives <sup>1,2</sup>			15 13-15
		<b>Total Credits</b>	<b>30 25-27</b>
<b>Program Total Credits:</b>			<b>120</b>

### International Studies Major Course Selection

Students must select a minimum total of 24 credits, 18 of which must be upper-division (300- to 400-level), from at least three subject codes, from the following groups of courses. Select at least 6 credits from 1. History and Politics of Asia; at least 6 credits from 2. Thought and Cultures of Asia; and at least 3 credits from 3. International Studies. Select an additional minimum of 9 credits from among the three groups to bring the total to 24. Courses cannot double-count in other requirements.

Code	Title	AUCC	Credits
<b>1. History and Politics of Asia</b>			
Select a minimum of 6 credits from the following:			6
<u>ETST 252/HIST 252</u>	<u>Asian-American History (GT-HI1)</u>	<u>3D</u>	
<u>ETST 324</u>	<u>Asian-Pacific Americans and the Law</u>		
<u>HIST 116</u>	<u>The Islamic World Since 1500</u>	<u>3D</u>	
<u>HIST 120</u>	<u>Asian Civilizations I (GT-HI1)</u>	<u>3D</u>	
<u>HIST 121</u>	<u>Asian Civilizations II (GT-HI1)</u>	<u>3D</u>	
<u>HIST 440</u>	Modern South Asia: Colonialism and Nationalism		
<u>HIST 441</u>	South Asia Since Independence		
<u>HIST 450</u>	Ancient China		
<u>HIST 451</u>	Medieval China and Central Asia		
<u>HIST 452</u>	China in the Modern World, 1600-Present		
<u>HIST 455</u>	Tokugawa and Modern Japan, 1600-Present		
<u>HIST 456</u>	East Asia in the Age of Empire, 1800-Present		
<u>HIST 464</u>	Pacific Wars: Philippines-WWII		
<u>HIST 465</u>	Pacific Wars: Korea and Vietnam		
<u>HIST 466</u>	U.S.-China Relations Since 1800		
<u>HIST 533</u>	Reading Seminar: East Asia		
<u>HIST 534</u>	Reading Seminar: South Asia		
<u>IE 271</u>	India		
<u>POLS 445</u>	Comparative Asian Politics		
<b>2. Thought and Cultures of Asia</b>			

Code	Title	AUCC	Credits
Select a minimum of 6 credits from the following:			6
<a href="#"><u>ANTH 312</u></a>	Modern Indian Culture and Society		
<a href="#"><u>ANTH 314</u></a>	Southeast Asian Cultures and Societies		
<a href="#"><u>ART 316</u></a>	Art of the Pacific		
<a href="#"><u>E 356</u></a>	Asian Literature		
<a href="#"><u>ETST 320</u></a>	<a href="#"><u>Ethnicity and Film: Asian-American Experience</u></a>		
<a href="#"><u>LGEN 192</u></a>	Modern Languages/Cultures: Italian and Japanese		
<a href="#"><u>LCHI 250</u></a> or <a href="#"><u>LJPN 250</u></a>	Chinese Language, Literature, Culture in Translation (GT-AH2) Japanese Language, Literature, Culture in Translation (GT-AH2)	3B	
<a href="#"><u>LCHI 309</u></a>	Contemporary Chinese Literature and the Arts		
<a href="#"><u>LCHI 365</u></a> or <a href="#"><u>LGEN 465B</u></a> or <a href="#"><u>LJPN 365</u></a>	Introduction to Chinese Cinema Studies <sup>23</sup> Studies in Foreign Film: Asia Introduction to Japanese Cinema Studies		
<a href="#"><u>LCHI 496</u></a>	Group Study-Chinese		
<a href="#"><u>LJPN 404</u></a>	Historical Aspects of the Language and Society		
<a href="#"><u>LJPN 496</u></a>	Group Study-Japanese		
<a href="#"><u>PHIL 172</u></a>	Religions of the East		
<a href="#"><u>PHIL 349</u></a>	Philosophies of East Asia		
<a href="#"><u>PHIL 360</u></a>	Topics in Asian Philosophy		
<a href="#"><u>PHIL 371</u></a>	Contemporary Eastern Religious Thought		
<a href="#"><u>PHIL 379</u></a>	Mysticism East and West		
<b>3. International Studies</b>			
Select a minimum of 3 credits from the following:			3
<a href="#"><u>AGRI 270/IE 270</u></a>	World Interdependence-Population and Food (GT-SS3)	3E	
<a href="#"><u>AM 430</u></a>	International Retailing		
<a href="#"><u>AM 460</u></a>	Historic Textiles		
<del><a href="#"><u>ANTH 200</u></a></del>	<del><a href="#"><u>Cultures and the Global System (GT-SS3)</u></a></del>	<del>3E</del>	
<a href="#"><u>ANTH 100</u></a>	<a href="#"><u>Introductory Cultural Anthropology (GT-SS3)</u></a>	3C	
<a href="#"><u>ANTH 140</u></a>	<a href="#"><u>Introduction to Prehistory (GT-HI1)</u></a>	3D	
<a href="#"><u>ANTH 313</u></a>	<a href="#"><u>Modernization and Development</u></a>		
<a href="#"><u>ANTH 322</u></a>	<a href="#"><u>The Anthropology of Religion</u></a>		
<a href="#"><u>ANTH 329</u></a>	<a href="#"><u>Cultural Change</u></a>		
<a href="#"><u>ANTH 330</u></a>	<a href="#"><u>Human Ecology</u></a>		
<a href="#"><u>ANTH 336</u></a>	<a href="#"><u>Art and Culture</u></a>		
<a href="#"><u>ANTH 338</u></a>	<a href="#"><u>Gender and Anthropology</u></a>		

Code	Title	AUCC	Credits
<a href="#"><u>ANTH 352</u></a>	Geoarchaeology		
<a href="#"><u>ANTH 413</u></a>	<a href="#"><u>Indigenous Peoples Today</u></a>		
<a href="#"><u>ANTH 415</u></a>	Indigenous Ecologies and the Modern World		
<a href="#"><u>ANTH 416</u></a>	<a href="#"><u>Gender, Culture, and Health</u></a>		
<a href="#"><u>ANTH 422/SOC 422</u></a>	Comparative Legal Systems		
<a href="#"><u>ANTH 438</u></a>	<a href="#"><u>Approaches to Community-Based Development</u></a>		
<a href="#"><u>ANTH 441</u></a>	Method in Cultural Anthropology		
<a href="#"><u>ANTH 447</u></a>	<a href="#"><u>Gender Equity in Development</u></a>		
<a href="#"><u>ANTH 448</u></a>	<a href="#"><u>Development and Empowerment</u></a>		
<a href="#"><u>ANTH 479/IE 479</u></a>	International Development Theory and Practice		
<a href="#"><u>AREC 240/ECON 240</u></a>	Issues in Environmental Economics (GT-SS1)	3C	
<a href="#"><u>AREC 415</u></a>	International Agricultural Trade		
<a href="#"><u>AREC 460</u></a>	Ag- and Resource-Based Economic Development		
<a href="#"><u>BUS 350</u></a>	Travel Abroad-International Comparative Management		
<a href="#"><u>BUS 405B</u></a>	<a href="#"><u>Contemporary Business Topics: International Business</u></a>		
<a href="#"><u>CON 450/INTD 450</u></a>	Travel Abroad-Sustainable Building		
<a href="#"><u>E 142</u></a>	<a href="#"><u>Reading Without Borders (GT-AH2)</u></a>		<a href="#"><u>3E</u></a>
<a href="#"><u>E 245</u></a>	<a href="#"><u>World Drama (GT-AH2)</u></a>		<a href="#"><u>3E</u></a>
<a href="#"><u>E 330</u></a>	<a href="#"><u>Gender in World Literature</u></a>		
<a href="#"><u>E 339</u></a>	<a href="#"><u>Literature of the Earth</u></a>		
<a href="#"><u>E 428</u></a>	<a href="#"><u>Postcolonial Literature</u></a>		
<a href="#"><u>ECON 101</u></a>	<a href="#"><u>Economics of Social Issues (GT-SS1)</u></a>		<a href="#"><u>3C</u></a>
<a href="#"><u>ECON 202</u></a>	<a href="#"><u>Principles of Microeconomics (GT-SS1)</u></a>		<a href="#"><u>3C</u></a>
<a href="#"><u>ECON 204</u></a>	Principles of Macroeconomics (GT-SS1)	3C	
<a href="#"><u>ECON 211</u></a>	<a href="#"><u>Gender in the Economy (GT-SS1)</u></a>		<a href="#"><u>3E</u></a>
<a href="#"><u>ECON 332/POLS 332</u></a>	International Political Economy		
<a href="#"><u>ECON 370</u></a>	Comparative Economic Systems		
<a href="#"><u>ECON 440</u></a>	Economics of International Trade and Policy		
<a href="#"><u>ECON 442</u></a>	Economics of International Finance and Policy		
<a href="#"><u>ECON 460</u></a>	Economic Development		
<a href="#"><u>ETST 256</u></a>	<a href="#"><u>Border Crossings: People/Politics/Culture (GT-SS3)</u></a>		<a href="#"><u>3E</u></a>
<a href="#"><u>ETST 352/SOWK 352</u></a>	<a href="#"><u>Indigenous Women, Children, and Tribes</u></a>		
<a href="#"><u>ETST 365</u></a>	<a href="#"><u>Global Environmental Justice Movements</u></a>		

Code	Title	AUCC	Credits
<a href="#"><u>FIN 475</u></a>	International Business Finance		
<a href="#"><u>GES 101</u></a>	<a href="#"><u>Foundations of Environmental Sustainability</u></a>		
<a href="#"><u>GES 192</u></a>	<a href="#"><u>Global Environmental Sustainability Seminar</u></a>		
<a href="#"><u>GR 320</u></a>	Cultural Geography		
<a href="#"><u>GR 330</u></a>	<a href="#"><u>Urban Geography</u></a>		
<a href="#"><u>GR 415</u></a>	<a href="#"><u>The Geography of Commodities</u></a>		
<a href="#"><u>HIST 463</u></a>	Science and Technology in Modern History		
<a href="#"><u>HIST 467</u></a>	<a href="#"><u>Modern Jewish History</u></a>		
<a href="#"><u>HIST 470</u></a>	World Environmental History, 1500-Present		
<a href="#"><u>HIST 471</u></a>	History of Antarctica, 1800-Present		
<a href="#"><u>IE 179</u></a>	Globalization: Exploring Our Global Village (GT-SS3)	3E	
<a href="#"><u>IE 272</u></a>	<a href="#"><u>World Interdependence - Current Global Issues</u></a>		
<a href="#"><u>IE 300</u></a>	<a href="#"><u>Global Studies</u></a>		
<a href="#"><u>IE 370</u></a>	Model United Nations	3E	
<a href="#"><u>IE 450/SOWK 450</u></a>	International Social Welfare and Development		
<a href="#"><u>IE 470</u></a>	Women and Development		
<a href="#"><u>IE 471</u></a>	Children and Youth in Global Context		
<a href="#"><u>IE 472</u></a>	Education for Global Peace		
<a href="#"><u>INST 487</u></a>	<a href="#"><u>Internship</u></a> <sup>3</sup>		
<a href="#"><u>INST 495</u></a>	<a href="#"><u>Independent Study</u></a> <sup>3</sup>		
<a href="#"><u>JTC 412</u></a>	International Mass Communication		
<a href="#"><u>LB 170</u></a>	<a href="#"><u>World Literatures to 1500 (GT-AH2)</u></a>	3E	
<a href="#"><u>LB 171</u></a>	<a href="#"><u>World Literatures-The Modern Period (GT-AH2)</u></a>	3E	
<a href="#"><u>MGT 475</u></a>	International Business Management		
<a href="#"><u>MKT 365</u></a>	International Marketing		
<a href="#"><u>MU 131</u></a>	<a href="#"><u>Introduction to Music History and Literature (GT-AH1)</u></a>	3B	
<a href="#"><u>NRRT 320</u></a>	International Issues-Recreation and Tourism		
<a href="#"><u>PHIL 170</u></a>	<a href="#"><u>World Philosophies (GT-AH3)</u></a>	3E	
<a href="#"><u>PHIL 320</u></a>	<a href="#"><u>Ethics of Sustainability</u></a>		
<a href="#"><u>PHIL 479</u></a>	<a href="#"><u>Topics in Comparative Religions</u></a>		
<a href="#"><u>POLS 131</u></a>	<a href="#"><u>Current World Problems (GT-SS1)</u></a>	3E	
<a href="#"><u>POLS 232</u></a>	<a href="#"><u>International Relations (GT-SS1)</u></a>	3E	
<a href="#"><u>POLS 241</u></a>	<a href="#"><u>Comparative Government and Politics (GT-SS1)</u></a>	3E	



Code	Title	AUCC	Credits
<u>POLS 362</u>	Global Environmental Politics		
<u>POLS 431</u>	International Law		
<u>POLS 433</u>	International Organization		
<u>POLS 435</u>	United States Foreign Policy		
<u>POLS 436</u>	Comparative Foreign Policy		
<u>POLS 437</u>	International Security		
<u>POLS 442</u>	<u>Environmental Politics in Developing World</u>		
<u>POLS 443</u>	<u>Comparative Social Movements</u>		
<u>POLS 448</u>	<u>Comparative Racial/Ethnic Politics</u>		
<u>POLS 462</u>	<u>Globalization, Sustainability, and Justice</u>		
<u>SOC 105</u>	<u>Social Problems (GT-SS3)</u>	<u>3C</u>	
<u>SOC 220</u>	<u>Global Environmental Issues (GT-SS3)</u>	<u>3E</u>	
<u>SOC 320</u>	<u>Population-Natural Resources and Environment</u>		
<u>SOC 322</u>	<u>Introduction to Environmental Justice</u>		
<u>SOC 323</u>	Sociology of Environmental Governance		
<u>SOC 364</u>	Agriculture and Global Society		
<u>SOC 429</u>	Comparative Urban Studies		
<u>SOC 482A</u>	Travel Abroad: Comparative Criminal Justice <sup>4</sup>		
<u>SOC 482B</u>	Travel Abroad: Crime and Deviance <sup>4</sup>		
<u>SPCM 434</u>	Intercultural Communication		

<sup>±</sup> ~~Course(s) selected may not be used here and for All University Core Curriculum (AUCC) 3D or 3E or in International Studies Major Course Selection courses.~~

<sup>12</sup> Select enough elective credits to bring the program total to a minimum of 120 credits, of which at least 42 credits must be upper-division (300- to 400-level).

<sup>23</sup> Credit allowed for only one of the following: LCHI 365, LGEN 465B, LJPN 365.

<sup>3</sup> Maximum 3 credits.

<sup>4</sup> To count toward the International Studies Major Course Selection, travel abroad must be to a country or area covered by this concentration.



College of Liberal Arts  
Major in International Studies, European Studies Concentration

Effective Fall 2017

Effective **Spring 2017** Fall 2017

FRESHMAN			
		AUCC	CREDITS
<u>ANTH 200</u>	<u>Cultures and the Global System (GT-SS3)</u>	<u>3E</u>	<u>3</u>
<u>CO 150</u>	College Composition (GT-CO2)	1A	3
<u>GR 100</u>	Introduction to Geography (GT-SS2)	3C	3
<u>INST 200</u>	Interdisciplinary Approaches to Globalization	3E	3
<u>Select one from the following:</u>		-	<u>3</u>
<u>HIST 100</u>	<u>Western Civilization, Pre-Modern (GT-HI1)</u>	<u>3D</u>	-
<u>HIST 101</u>	<u>Western Civilization, Modern (GT-HI1)</u>	<u>3D</u>	-
<u>HIST 170</u>	<u>World History, Ancient-1500 (GT-HI1)</u>	<u>3D</u>	-
<u>HIST 171</u>	<u>World History, 1500-Present (GT-HI1)</u>	<u>3D</u>	-
L*** 100 <del>or 105</del> First-Year Language I <sup>1</sup>			5
L*** 101 <del>or 107</del> First-Year Language II <sup>1</sup>			5
<u>Select one from the following:</u>		-	<u>3</u>
<u>POLS 232</u>	<u>International Relations (GT-SS1)</u>	<u>3E</u>	-
<u>POLS 241</u>	Comparative Government and Politics (GT-SS1)	3E	
<del>Arts and Humanities<sup>2</sup></del>		<del>3B</del>	<del>3</del>
<del>Historical Perspectives</del>		<del>3D</del>	<del>3</del>
<u>Mathematics</u>		1B	3
<b>Total Credits</b>			<b>31</b>
SOPHOMORE			
Select one from the following:			3
<u>AREC 202</u>	Agricultural and Resource Economics (GT-SS1)	3C	
<u>ECON 202</u>	Principles of Microeconomics (GT-SS1)	3C	
<u>ECON 204</u>	<u>Principles of Macroeconomics (GT-SS1)</u>	<u>3C</u>	
<u>ECON 211</u>	<u>Gender in the Economy (GT-SS1)</u>	<u>3E</u>	
<u>ECON 240/AREC 240</u>	<u>Issues in Environmental Economics (GT-SS1)</u>	<u>3C</u>	
<del>Select one group from the following:</del>		-	<del>6</del>
<del>Group A:</del>		-	-
<del>HIST 100</del>	<del>Western Civilization, Pre-Modern (GT-HI1)</del>	<del>3D</del>	-
<del>HIST 101</del>	<del>Western Civilization, Modern (GT-HI1)</del>	<del>3D</del>	-

<b>Group B:</b>	-	-
<del>Two HIST courses at the 200 and/or 300 level related to Europe<sup>3</sup></del>	-	-
L*** 200 Second-Year Language I <sup>1</sup>		3-4
L*** 201 Second-Year Language II <sup>1</sup>		3-4
<b>Advanced Writing</b>	<u>2</u>	<u>3</u>
<b>Arts and Humanities</b>	3B	6
<b>Biological and Physical Sciences</b>	3A	7
Electives	-	<u>2-4</u> <del>6-8</del>
<b>Total Credits</b>		<u>29</u> <del>33</del>
<b>JUNIOR</b>		
<b>INST 301</b>	Global Commodities across the Disciplines	4B 3
L*** 300 Third-Year Language I <sup>2 4</sup>		3
L*** 301 Third-Year Language II <sup>2 4</sup>		3
International Studies Major Course Selection		12
<del>Arts and Humanities</del>	<del>3B</del>	<del>3</del>
Electives		<u>2</u> <del>6</del>
<b>Total Credits</b>		<b>30</b>
<b>SENIOR</b>		
<b>INST 492</b>	Seminar	4A,4C 3
International Studies Major Course Selection		12
Electives <sup>3 5</sup>		<u>15</u> <del>11</del>
<b>Total Credits</b>		<u>30</u> <del>26</del>
<b>Program Total Credits:</b>		<b>120</b>

## International Studies Major Course Selection

Students must select a minimum total of 24 credits, 18 of which must be upper-division (300- to 400-level), from at least three subject codes, from the following groups of courses. Select at least 6 credits from 1. History and Politics in Europe; at least 6 credits from 2. Thought and Cultures in Europe; and at least 3 credits from 3. International Studies. Select an additional minimum of 9 credits from among the three groups to bring the total to 24.

Code	Title	AUCC	Credits
<b>1. History and Politics in Europe</b>			
Select a minimum of 6 credits from the following:			6
<u>ECON 372</u>	<u>History of Economic Institutions and Thought</u>		
<u>ECON 376</u>	Marxist Economic Thought		
<u>HIST 300</u>	Ancient Greece to 323 B.C.E.		
<u>HIST 301</u>	Roman Republic		
<u>HIST 302</u>	Roman Empire		

Code	Title	AUCC	Credits
<a href="#"><u>HIST 303</u></a>	Hellenistic World: Alexander to Cleopatra		
<a href="#"><u>HIST 304</u></a>	Women in Ancient Greece and Rome		
<a href="#"><u>HIST 308</u></a>	<a href="#"><u>Ancient Christianity to 500 A.D.</u></a>		
<a href="#"><u>HIST 309</u></a>	<a href="#"><u>Medieval Christianity, 500-1500</u></a>		
<a href="#"><u>HIST 310</u></a>	Medieval Europe		
<a href="#"><u>HIST 311</u></a>	Medieval England		
<a href="#"><u>HIST 312</u></a>	Women in Medieval Europe		
<a href="#"><u>HIST 315</u></a>	Tudor Stuart England, 1485-1689		
<a href="#"><u>HIST 317</u></a>	Renaissance and Reformation Europe		
<a href="#"><u>HIST 318</u></a>	The Age of the Enlightenment		
<a href="#"><u>HIST 319</u></a>	Early Modern France, 1500-1789		
<a href="#"><u>HIST 320</u></a>	Women and Gender in Europe, 1450-1789		
<a href="#"><u>HIST 321</u></a>	Industrial Society in Europe, 1600-1871		
<a href="#"><u>HIST 322</u></a>	Industrial Society in Europe, 1871-1989		
<a href="#"><u>HIST 323</u></a>	Russia Before 1700		
<a href="#"><u>HIST 324</u></a>	Imperial Russia		
<a href="#"><u>HIST 328</u></a>	Modern Europe, 1815-1914		
<a href="#"><u>HIST 329</u></a>	Europe in Crisis, 1914-1941		
<a href="#"><u>HIST 330</u></a>	Eastern Europe Since 1918		
<a href="#"><u>HIST 331</u></a>	The Soviet Union		
<a href="#"><u>HIST 332</u></a>	Germany Since World War I		
<a href="#"><u>HIST 333</u></a>	Contemporary Europe		
<a href="#"><u>HIST 334</u></a>	<a href="#"><u>European Culture in the 20th Century</u></a>		
<a href="#"><u>HIST 335</u></a>	Britain in the 20th Century		
<a href="#"><u>HIST 336</u></a>	Germany from Napoleon to WWI		
<a href="#"><u>HIST 338</u></a>	<a href="#"><u>The Holocaust in Historical Perspective</u></a>		
<a href="#"><u>HIST 339</u></a>	World War II in Europe		
<a href="#"><u>HIST 461</u></a>	Rise and Fall of British Empire 1600-1947		
<a href="#"><u>HIST 467</u></a>	<a href="#"><u>Modern Jewish History</u></a>		
<a href="#"><u>HIST 469</u></a>	The Crusades		
<a href="#"><u>HIST 471</u></a>	History of Antarctica, 1800-Present		
<a href="#"><u>POLS 341</u></a>	Western European Government and Politics		
<a href="#"><u>POLS 345</u></a>	Russian, Central, and East European Politics		
<a href="#"><u>POLS 420</u></a>	History of Political Thought		
<a href="#"><u>POLS 421</u></a>	Contemporary Political Theories		

Code	Title	AUCC	Credits
<b>2. Thought and Cultures in Europe</b>			
Select a minimum of 6 credits from the following:			6
<a href="#"><u>ART 110</u></a>	Art History I		
<a href="#"><u>ART 111</u></a>	Art History II		
<a href="#"><u>ART 212</u></a>	Art History III		
<a href="#"><u>ART 410</u></a>	Greek Art		
<a href="#"><u>ART 411</u></a>	History of Medieval Art		
<a href="#"><u>ART 412</u></a>	History of Renaissance Art		
<a href="#"><u>ART 414</u></a>	History of Baroque and Rococo Art		
<a href="#"><u>ART 415</u></a>	History of 19th Century European Art		
<a href="#"><u>ART 416</u></a>	History of European Art, 1900 to 1945		
<a href="#"><u>ART 417</u></a>	Roman Art		
<a href="#"><u>ART 420</u></a>	Travel Abroad-Art History in Italy		
<a href="#"><u>E 276</u></a>	Survey of British Literature I (GT-AH2)	3B	
<a href="#"><u>E 277</u></a>	Survey of British Literature II (GT-AH2)	3B	
<a href="#"><u>E 337</u></a>	Western Mythology		
<a href="#"><u>E 342</u></a>	Shakespeare I		
<a href="#"><u>E 343</u></a>	Shakespeare II		
<a href="#"><u>E 424</u></a>	English Renaissance		
<a href="#"><u>E 426</u></a>	British Romanticism		
<a href="#"><u>E 427</u></a>	Victorian Age		
<a href="#"><u>E 430</u></a>	18th-Century English Fiction		
<a href="#"><u>E 431</u></a>	19th-Century English Fiction		
<a href="#"><u>E 432</u></a>	20th-Century British Fiction		
<a href="#"><u>E 443</u></a>	English Renaissance Drama		
<a href="#"><u>E 444</u></a>	Restoration and 18th-Century Drama		
<a href="#"><u>E 445</u></a>	Modern British and European Drama		
<a href="#"><u>E 452</u></a>	Masterpieces of European Literature		
<a href="#"><u>E 455</u></a>	European Literature after 1900		
<a href="#"><u>E 460</u></a>	Chaucer		
<a href="#"><u>E 463</u></a>	Milton		
<a href="#"><u>E 475</u></a>	American Poetry Before 1900		
<a href="#"><u>ETST 382/LGEN 382</u></a>	<a href="#"><u>Italian Ethnic Identity, Culture, and Gender</u></a>		
<a href="#"><u>LAND 120</u></a>	History of the Designed Landscape		
L*** 250	Language, Literature, Culture in Translation	3B	
L*** 310	Approaches to Literature <sup>4</sup> 6		

Code	Title	AUCC	Credits
L*** 313	Introduction to Translation and Interpreting <sup>4 6</sup>		
L*** 335	Issues in Culture <sup>4 6</sup>		
L*** 345	Business Language <sup>4 6</sup>		
L*** 355	20th Century Literature <sup>5 7</sup>		
L*** 413	Advanced Translation and Interpreting <sup>4 6</sup>		
L*** 441	Advanced Business Language <sup>4 6</sup>		
L*** 450	Selected Literary Movements and Periods <sup>4 6</sup>		
L*** 452	Genre Studies <sup>4 6</sup>		
L*** 453	Author Studies <sup>4 6</sup>		
L*** 454	Topic Studies <sup>4 6</sup>		
<b><u>LFRE 433A</u></b>	Advanced French/Francophone Culture: Representations		
<b><u>LFRE 433B</u></b>	Advanced French/Francophone Culture: Center and Margins		
<b><u>LFRE 460</u></b>	French/Francophone Women Writers		
<b><u>LGEN 192</u></b>	<a href="#">Modern Languages/Cultures: Italian and Japanese</a>		
<b><u>LGEN 465C</u></b>	Studies in Foreign Film: Europe		
<b><u>LGER 434</u></b>	Advanced German Culture		
<b><u>LSPA 437</u></b>	Advanced Spanish Culture		
<b><u>LSPA 443</u></b>	Spanish Theatre		
<b><u>MU 334</u></b>	Music History I		
<b><u>MU 335</u></b>	Music History II		
<b><u>PHIL 120</u></b>	<a href="#">History and Philosophy of Scientific Thought (GT-AH3)</a>	<b><u>3B</u></b>	
<b><u>PHIL 171</u></b>	<a href="#">Religions of the West</a>		
<b><u>PHIL 300</u></b>	Ancient Greek Philosophy		
<b><u>PHIL 301</u></b>	17th and 18th Century European Philosophy		
<b><u>PHIL 302</u></b>	19th Century Philosophy		
<b><u>PHIL 370</u></b>	<a href="#">Contemporary Western Religious Thought</a>		
<b><u>PHIL 375</u></b>	<a href="#">Science and Religion</a>		
<b><u>PHIL 409</u></b>	20th Century Philosophy		
<b>3. International Studies</b>			
Select a minimum of 3 credits from the following:			3
<b><u>AGRI 270/IE 270</u></b>	World Interdependence-Population and Food (GT-SS3)	3E	
<b><u>AM 430</u></b>	International Retailing		
<b><u>AM 460</u></b>	Historic Textiles		
<b><u>ANTH 200</u></b>	<del>Cultures and the Global System (GT-SS3)</del>	<b>3E</b>	

Code	Title	AUCC	Credits
<a href="#"><u>ANTH 100</u></a>	<a href="#"><u>Introductory Cultural Anthropology (GT-SS3)</u></a>	<a href="#"><u>3C</u></a>	
<a href="#"><u>ANTH 140</u></a>	<a href="#"><u>Introduction to Prehistory (GT-HI1)</u></a>	<a href="#"><u>3D</u></a>	
<a href="#"><u>ANTH 313</u></a>	<a href="#"><u>Modernization and Development</u></a>		
<a href="#"><u>ANTH 322</u></a>	<a href="#"><u>The Anthropology of Religion</u></a>		
<a href="#"><u>ANTH 329</u></a>	<a href="#"><u>Cultural Change</u></a>		
<a href="#"><u>ANTH 330</u></a>	<a href="#"><u>Human Ecology</u></a>		
<a href="#"><u>ANTH 336</u></a>	<a href="#"><u>Art and Culture</u></a>		
<a href="#"><u>ANTH 338</u></a>	<a href="#"><u>Gender and Anthropology</u></a>		
<a href="#"><u>ANTH 352</u></a>	Geoarchaeology		
<a href="#"><u>ANTH 413</u></a>	<a href="#"><u>Indigenous Peoples Today</u></a>		
<a href="#"><u>ANTH 415</u></a>	Indigenous Ecologies and the Modern World		
<a href="#"><u>ANTH 416</u></a>	<a href="#"><u>Gender, Culture, and Health</u></a>		
<a href="#"><u>ANTH 422/SOC 422</u></a>	Comparative Legal Systems		
<a href="#"><u>ANTH 438</u></a>	<a href="#"><u>Approaches to Community-Based Development</u></a>		
<a href="#"><u>ANTH 441</u></a>	Method in Cultural Anthropology		
<a href="#"><u>ANTH 447</u></a>	<a href="#"><u>Gender Equity in Development</u></a>		
<a href="#"><u>ANTH 448</u></a>	<a href="#"><u>Development and Empowerment</u></a>		
<a href="#"><u>ANTH 479/IE 479</u></a>	International Development Theory and Practice		
<a href="#"><u>AREC 240/ECON 240</u></a>	Issues in Environmental Economics (GT-SS1)	3C	
<a href="#"><u>AREC 415</u></a>	International Agricultural Trade		
<a href="#"><u>AREC 460</u></a>	Ag- and Resource-Based Economic Development		
<a href="#"><u>BUS 350</u></a>	Travel Abroad-International Comparative Management		
<a href="#"><u>BUS 405B</u></a>	<a href="#"><u>Contemporary Business Topics: International Business</u></a>		
<a href="#"><u>CON 450/INTD 450</u></a>	Travel Abroad-Sustainable Building		
<a href="#"><u>E 142</u></a>	<a href="#"><u>Reading Without Borders (GT-AH2)</u></a>	<a href="#"><u>3E</u></a>	
<a href="#"><u>E 245</u></a>	<a href="#"><u>World Drama (GT-AH2)</u></a>	<a href="#"><u>3E</u></a>	
<a href="#"><u>E 330</u></a>	<a href="#"><u>Gender in World Literature</u></a>		
<a href="#"><u>E 339</u></a>	<a href="#"><u>Literature of the Earth</u></a>		
<a href="#"><u>E 428</u></a>	<a href="#"><u>Postcolonial Literature</u></a>		
<a href="#"><u>ECON 101</u></a>	<a href="#"><u>Economics of Social Issues (GT-SS1)</u></a>	<a href="#"><u>3C</u></a>	
<a href="#"><u>ECON 202</u></a>	<a href="#"><u>Principles of Microeconomics (GT-SS1)</u></a>	<a href="#"><u>3C</u></a>	
<a href="#"><u>ECON 204</u></a>	Principles of Macroeconomics (GT-SS1)	3C	

Code	Title	AUCC	Credits
<a href="#"><u>ECON 211</u></a>	<a href="#"><u>Gender in the Economy (GT-SS1)</u></a>	<a href="#"><u>3E</u></a>	
<a href="#"><u>ECON 332/POLS 332</u></a>	International Political Economy		
<a href="#"><u>ECON 370</u></a>	Comparative Economic Systems		
<a href="#"><u>ECON 440</u></a>	Economics of International Trade and Policy		
<a href="#"><u>ECON 442</u></a>	Economics of International Finance and Policy		
<a href="#"><u>ECON 460</u></a>	Economic Development		
<a href="#"><u>ETST 256</u></a>	<a href="#"><u>Border Crossings: People/Politics/Culture (GT-SS3)</u></a>	<a href="#"><u>3E</u></a>	
<a href="#"><u>ETST 352/SOWK 352</u></a>	<a href="#"><u>Indigenous Women, Children, and Tribes</u></a>		
<a href="#"><u>ETST 365</u></a>	<a href="#"><u>Global Environmental Justice Movements</u></a>		
<a href="#"><u>FIN 475</u></a>	International Business Finance		
<a href="#"><u>GES 101</u></a>	<a href="#"><u>Foundations of Environmental Sustainability</u></a>		
<a href="#"><u>GES 192</u></a>	<a href="#"><u>Global Environmental Sustainability Seminar</u></a>		
<a href="#"><u>GR 320</u></a>	Cultural Geography		
<a href="#"><u>GR 330</u></a>	<a href="#"><u>Urban Geography</u></a>		
<a href="#"><u>GR 415</u></a>	<a href="#"><u>The Geography of Commodities</u></a>		
<a href="#"><u>HIST 463</u></a>	Science and Technology in Modern History		
<a href="#"><u>HIST 467</u></a>	<a href="#"><u>Modern Jewish History</u></a>		
<a href="#"><u>HIST 470</u></a>	World Environmental History, 1500-Present		
<a href="#"><u>HIST 471</u></a>	<a href="#"><u>History of Antarctica, 1800-Present</u></a>		
<a href="#"><u>IE 179</u></a>	Globalization: Exploring Our Global Village (GT-SS3)	3E	
<a href="#"><u>IE 272</u></a>	<a href="#"><u>World Interdependence - Current Global Issues</u></a>		
<a href="#"><u>IE 300</u></a>	<a href="#"><u>Global Studies</u></a>		
<a href="#"><u>IE 370</u></a>	Model United Nations	3E	
<a href="#"><u>IE 450/SOWK 450</u></a>	International Social Welfare and Development		
<a href="#"><u>IE 470</u></a>	Women and Development		
<a href="#"><u>IE 471</u></a>	Children and Youth in Global Context		
<a href="#"><u>IE 472</u></a>	Education for Global Peace		
<a href="#"><u>INST 487</u></a>	<a href="#"><u>Internship<sup>6</sup></u></a>		
<a href="#"><u>INST 495</u></a>	<a href="#"><u>Independent Study<sup>6</sup></u></a>		
<a href="#"><u>JTC 412</u></a>	International Mass Communication		
<a href="#"><u>LB 170</u></a>	<a href="#"><u>World Literatures to 1500 (GT-AH2)</u></a>	<a href="#"><u>3E</u></a>	
<a href="#"><u>LB 171</u></a>	<a href="#"><u>World Literatures-The Modern Period (GT-AH2)</u></a>	<a href="#"><u>3E</u></a>	
<a href="#"><u>MGT 475</u></a>	International Business Management		
<a href="#"><u>MKT 365</u></a>	International Marketing		



Code	Title	AUCC	Credits
<a href="#"><u>MU 131</u></a>	<a href="#"><u>Introduction to Music History and Literature (GT-AH1)</u></a>	<a href="#"><u>3B</u></a>	
<a href="#"><u>NRRT 320</u></a>	International Issues-Recreation and Tourism		
<a href="#"><u>PHIL 170</u></a>	<a href="#"><u>World Philosophies (GT-AH3)</u></a>	<a href="#"><u>3E</u></a>	
<a href="#"><u>PHIL 320</u></a>	<a href="#"><u>Ethics of Sustainability</u></a>		
<a href="#"><u>PHIL 479</u></a>	<a href="#"><u>Topics in Comparative Religions</u></a>		
<a href="#"><u>POLS 131</u></a>	<a href="#"><u>Current World Problems (GT-SS1)</u></a>	<a href="#"><u>3E</u></a>	
<a href="#"><u>POLS 232</u></a>	<a href="#"><u>International Relations (GT-SS1)</u></a>	<a href="#"><u>3E</u></a>	
<a href="#"><u>POLS 241</u></a>	<a href="#"><u>Comparative Government and Politics (GT-SS1)</u></a>	<a href="#"><u>3E</u></a>	
<a href="#"><u>POLS 362</u></a>	Global Environmental Politics		
<a href="#"><u>POLS 431</u></a>	International Law		
<a href="#"><u>POLS 433</u></a>	International Organization		
<a href="#"><u>POLS 435</u></a>	United States Foreign Policy		
<a href="#"><u>POLS 436</u></a>	Comparative Foreign Policy		
<a href="#"><u>POLS 437</u></a>	International Security		
<a href="#"><u>POLS 442</u></a>	<a href="#"><u>Environmental Politics in Developing World</u></a>		
<a href="#"><u>POLS 443</u></a>	<a href="#"><u>Comparative Social Movements</u></a>		
<a href="#"><u>POLS 448</u></a>	<a href="#"><u>Comparative Racial/Ethnic Politics</u></a>		
<a href="#"><u>POLS 462</u></a>	<a href="#"><u>Globalization, Sustainability, and Justice</u></a>		
<a href="#"><u>SOC 105</u></a>	<a href="#"><u>Social Problems (GT-SS3)</u></a>	<a href="#"><u>3C</u></a>	
<a href="#"><u>SOC 220</u></a>	<a href="#"><u>Global Environmental Issues (GT-SS3)</u></a>	<a href="#"><u>3E</u></a>	
<a href="#"><u>SOC 320</u></a>	<a href="#"><u>Population-Natural Resources and Environment</u></a>		
<a href="#"><u>SOC 322</u></a>	<a href="#"><u>Introduction to Environmental Justice</u></a>		
<a href="#"><u>SOC 323</u></a>	<a href="#"><u>Sociology of Environmental Governance</u></a>		
<a href="#"><u>SOC 364</u></a>	Agriculture and Global Society		
<a href="#"><u>SOC 429</u></a>	Comparative Urban Studies		
<a href="#"><u>SOC 482A</u></a>	Travel Abroad: Comparative Criminal Justice <sup>7 8</sup>		
<a href="#"><u>SOC 482B</u></a>	Travel Abroad: Crime and Deviance <sup>7 8</sup>		
<a href="#"><u>SPCM 434</u></a>	Intercultural Communication		

1 ~~L\*\*\* 100 or 105 and L\*\*\* 101 or 107 for French (LFRE), German (LGER), or Spanish (LSPA); L\*\*\* 105 and L\*\*\* 107 for Italian (LITA), or Russian (LRUS). French (LFRE), German (LGER), Italian (LITA), Russian (LRUS), or Spanish (LSPA) only.~~

2 ~~Select from the list of courses in category 3B in the All-University Core Curriculum (AUCC), except L\*\*\* 200 and L\*\*\* 201.~~

3 ~~With approval of advisor. Courses selected may not count toward the History and Politics in Europe International Studies Major Course Selection requirement.~~

- <sup>2</sup><sup>4</sup> For students of Italian language, see advisor about fulfilling the 300-level language requirement. For students of Russian language, take [LRUS 304](#) and [LRUS 305](#).
- <sup>3</sup><sup>5</sup> Select enough elective credits to bring the program total to 120 credits, of which at least 42 must be upper-division (300- to 400-level).
- <sup>4</sup><sup>6</sup> French (LFRE), German (LGER), or Spanish (LSPA) only.
- <sup>5</sup><sup>7</sup> French (LFRE) or German (LGER) only.
- <sup>6</sup> [Maximum 3 credits.](#)
- <sup>7</sup><sup>8</sup> To count toward the International Studies Major Course Selection, travel abroad must be to a country or area covered by this concentration.



College of Liberal Arts  
Major in International Studies, Latin American Studies Concentration

Effective Fall 2017

Effective Fall 2017 ~~Spring 2017~~

FRESHMAN		AUCC	CREDITS
<a href="#">ANTH 200</a>	<a href="#">Cultures and the Global System (GT-SS3)</a>	<a href="#">3E</a>	<a href="#">3</a>
<a href="#">CO 150</a>	College Composition (GT-CO2)	1A	3
<a href="#">GR 100</a>	Introduction to Geography (GT-SS2)	3C	3
<a href="#">INST 200</a>	Interdisciplinary Approaches to Globalization	3E	3
<a href="#">Select one from the following:</a>		-	<a href="#">3</a>
<a href="#">HIST 100</a>	<a href="#">Western Civilization, Pre-Modern (GT-HI1)</a>	<a href="#">3D</a>	-
<a href="#">HIST 101</a>	<a href="#">Western Civilization, Modern (GT-HI1)</a>	<a href="#">3D</a>	-
<a href="#">HIST 170</a>	<a href="#">World History, Ancient-1500 (GT-HI1)</a>	<a href="#">3D</a>	-
<a href="#">HIST 171</a>	<a href="#">World History, 1500-Present (GT-HI1)</a>	<a href="#">3D</a>	-
<a href="#">LSPA 100</a>	First-Year Spanish I		5
<a href="#">LSPA 101</a>	First-Year Spanish II		5
<a href="#">Select one from the following:</a>			3
<a href="#">POLS 232</a>	<a href="#">International Relations (GT-SS1)</a>	<a href="#">3E</a>	
<a href="#">POLS 241</a>	Comparative Government and Politics (GT-SS1)	3E	
<del><a href="#">Arts and Humanities<sup>+</sup></a></del>		<del><a href="#">3B</a></del>	<del><a href="#">3</a></del>
<del><a href="#">Historical Perspectives</a></del>		<del><a href="#">3D</a></del>	<del><a href="#">3</a></del>
<a href="#">Mathematics</a>		1B	3
<b>Total Credits</b>			<b>31</b>

<b>SOPHOMORE</b>			
Select one from the following:			3
<u>AREC 202</u>	Agricultural and Resource Economics (GT-SS1)	3C	
<u>ECON 202</u>	Principles of Microeconomics (GT-SS1)	3C	
<u>ECON 204</u>	<u>Principles of Macroeconomics (GT-SS1)</u>	<u>3C</u>	
<u>ECON 211</u>	<u>Gender in the Economy (GT-SS1)</u>	<u>3E</u>	
<u>ECON 240/AREC 240</u>	<u>Issues in Environmental Economics (GT-SS1)</u>	<u>3C</u>	
<u>LSPA 200</u>	Second-Year Spanish I (GT-AH4)	3B	3
<u>LSPA 201</u>	Second-Year Spanish II (GT-AH4)	3B	3
<del>International Studies Major Course Selection</del>		-	<del>6</del>
<u>Advanced Writing</u>		2	3
<u>Arts and Humanities</u> <sup>+</sup>		3B	<u>6</u> <del>3</del>
<u>Biological and Physical Sciences</u>		3A	7
Electives			<u>4</u> <del>3</del>
<b>Total Credits</b>			<b><u>29</u> <del>31</del></b>
<b>JUNIOR</b>			
Select two courses from the following: <sup>2</sup>		-	<del>6</del>
<del><u>HIST 410</u></del>	<del>Colonial Latin America</del>	-	-
<del><u>HIST 412</u></del>	<del>Mexico</del>	-	-
<del><u>HIST 414</u></del>	<del>Revolutions in Latin America</del>	-	-
<u>INST 301</u>	Global Commodities across the Disciplines	4B	3
<u>LSPA 300</u>	Reading and Writing for Communication-Spanish		3
<u>LSPA 301</u>	Oral Communication-Spanish		3
International Studies Major Course Selection			<u>12</u> <del>9</del>
Electives			<u>9</u> <del>6</del>
<b>Total Credits</b>			<b>30</b>
<b>SENIOR</b>			
<u>INST 492</u>	Seminar	4A,4C	3
International Studies Major Course Selection			<u>12</u> <del>9</del>
Electives <sup>1,2</sup>			<u>15</u> <del>16</del>
<b>Total Credits</b>			<b><u>30</u> <del>28</del></b>
<b>Program Total Credits:</b>			<b>120</b>

## International Studies Major Course Selection

Students must select a minimum total of 24 credits, 18 of which must be upper-division (300- to 400-level), from at least three subject codes, from the following groups of courses. Select at least 6 credits from 1. History and Politics of Latin America; at least 6 credits from 2. Thought and Cultures of Latin America; and at least 3 credits from 3. International Studies. Select an additional minimum of 9 credits from among the three groups to bring the total to 24.

Code	Title	AUCC	Credits
<b>1. History and Politics of Latin America</b>			
Select a minimum of 6 credits from the following:			6
<a href="#">ETST 253</a>	<a href="#">Chicanx History and Culture (GT-HI1)</a>	<a href="#">3E</a>	
<a href="#">ETST 261</a>	<a href="#">Latinx Populations in the U.S.</a>		
<a href="#">ETST 370</a>	Caribbean Identities		
<a href="#">ETST 371</a>	The Modern Caribbean		
<a href="#">HIST 353</a>	<a href="#">U.S.-Mexico Borderlands</a>		
<a href="#">HIST 410</a>	Colonial Latin America		
<a href="#">HIST 411</a>	Latin America Since Independence		
<a href="#">HIST 412</a>	Mexico		
<a href="#">HIST 414</a>	Revolutions in Latin America		
<a href="#">HIST 460</a>	Slavery in the Americas		
<a href="#">HIST 471</a>	History of Antarctica, 1800-Present		
<a href="#">POLS 331</a>	Politics and Society Along Mexican Border		
<a href="#">POLS 446</a>	Politics of South America		
<a href="#">POLS 447</a>	Politics in Mexico, Central America, Caribbean		
<b>2. Thought and Culture of Latin America</b>			
Select a minimum of 6 credits from the following:			6
<a href="#">ANTH 319</a>	Latin American Peasantries		
<a href="#">ANTH 411</a>	<a href="#">Indians of South America</a>		
<a href="#">ANTH 451</a>	Andean Archaeology and Ethnohistory		
<a href="#">ANTH 452</a>	Archaeology of Mesoamerica		
<a href="#">ART 312</a>	History of Pre-Columbian Art		
<a href="#">DM 470A</a> or <a href="#">DM 470B</a>	International Design and Merchandising: Apparel International Design and Merchandising: Interior Design		
<a href="#">ETST 239/E 239</a>	<a href="#">Introduction to Chicano Literature</a>		
<a href="#">ETST 254</a>	<a href="#">La Chicana in Society</a>		
<a href="#">ETST 332</a>	<a href="#">Contemporary Chicanx Issues</a>		
<a href="#">LSPA 310</a>	Approaches to Spanish Literature		
<a href="#">LSPA 313</a>	Introduction to Spanish Translation and Interpreting		
<a href="#">LSPA 335</a>	Issues in Hispanic Culture		
<a href="#">LSPA 345</a>	Business Spanish		

Code	Title	AUCC	Credits
<u>LSPA 365</u> or <u>LSPA 465B</u>	Introduction to Spanish Cinema Studies in Foreign Film: Latin America		
<u>LSPA 435</u>	Caribbean Culture in Hispanic Literature		
<u>LSPA 436</u>	Advanced Latin American Culture		
<u>LSPA 437</u>	Advanced Spanish Culture		
<u>LSPA 441</u>	Advanced Business Spanish		
<u>LSPA 445</u>	Women Writers in the Hispanic World		
<u>LSPA 449</u>	Spanish-American Literary Movements and Periods		
<u>LSPA 452</u>	Genre Studies in Spanish		
<u>LSPA 453</u>	Author Studies in Spanish		
<u>LSPA 454</u>	Topic Studies in Spanish		
<u>SOC 366</u>	Peoples and Institutions of Latin America		
<b>3. International Studies</b>			
Select a minimum of 3 credits from the following:			3
<u>AGRI 270/IE 270</u>	World Interdependence-Population and Food (GT-SS3)	3E	
<u>AM 430</u>	International Retailing		
<u>AM 460</u>	Historic Textiles		
<del><u>ANTH 200</u></del>	<del>Cultures and the Global System (GT-SS3)</del>	<del>3E</del>	
<u>ANTH 100</u>	<u>Introductory Cultural Anthropology (GT-SS3)</u>	<u>3C</u>	
<u>ANTH 140</u>	<u>Introduction to Prehistory (GT-HI1)</u>	<u>3D</u>	
<u>ANTH 313</u>	<u>Modernization and Development</u>		
<u>ANTH 322</u>	<u>The Anthropology of Religion</u>		
<u>ANTH 329</u>	<u>Cultural Change</u>		
<u>ANTH 330</u>	<u>Human Ecology</u>		
<u>ANTH 336</u>	<u>Art and Culture</u>		
<u>ANTH 338</u>	<u>Gender and Anthropology</u>		
<u>ANTH 352</u>	Geoarchaeology		
<u>ANTH 413</u>	<u>Indigenous Peoples Today</u>		
<u>ANTH 415</u>	Indigenous Ecologies and the Modern World		
<u>ANTH 416</u>	<u>Gender, Culture, and Health</u>		
<u>ANTH 422/SOC 422</u>	Comparative Legal Systems		
<u>ANTH 438</u>	<u>Approaches to Community-Based Development</u>		
<u>ANTH 441</u>	Method in Cultural Anthropology		
<u>ANTH 447</u>	<u>Gender Equity in Development</u>		

Code	Title	AUCC	Credits
<a href="#"><u>ANTH 448</u></a>	<a href="#"><u>Development and Empowerment</u></a>		
<a href="#"><u>ANTH 479/IE 479</u></a>	International Development Theory and Practice		
<a href="#"><u>AREC 240/ECON 240</u></a>	Issues in Environmental Economics (GT-SS1)	3C	
<a href="#"><u>AREC 415</u></a>	International Agricultural Trade		
<a href="#"><u>AREC 460</u></a>	Ag- and Resource-Based Economic Development		
<a href="#"><u>BUS 350</u></a>	Travel Abroad-International Comparative Management		
<a href="#"><u>BUS 405B</u></a>	<a href="#"><u>Contemporary Business Topics: International Business</u></a>		
<a href="#"><u>CON 450/INTD 450</u></a>	Travel Abroad-Sustainable Building		
<a href="#"><u>E 142</u></a>	<a href="#"><u>Reading Without Borders (GT-AH2)</u></a>	<a href="#"><u>3E</u></a>	
<a href="#"><u>E 245</u></a>	<a href="#"><u>World Drama (GT-AH2)</u></a>	<a href="#"><u>3E</u></a>	
<a href="#"><u>E 330</u></a>	<a href="#"><u>Gender in World Literature</u></a>		
<a href="#"><u>E 339</u></a>	<a href="#"><u>Literature of the Earth</u></a>		
<a href="#"><u>E 428</u></a>	<a href="#"><u>Postcolonial Literature</u></a>		
<a href="#"><u>ECON 101</u></a>	<a href="#"><u>Economics of Social Issues (GT-SS1)</u></a>	<a href="#"><u>3C</u></a>	
<a href="#"><u>ECON 202</u></a>	<a href="#"><u>Principles of Microeconomics (GT-SS1)</u></a>	<a href="#"><u>3C</u></a>	
<a href="#"><u>ECON 204</u></a>	Principles of Macroeconomics (GT-SS1)	3C	
<a href="#"><u>ECON 211</u></a>	<a href="#"><u>Gender in the Economy (GT-SS1)</u></a>	<a href="#"><u>3E</u></a>	
<a href="#"><u>ECON 332/POLS 332</u></a>	International Political Economy		
<a href="#"><u>ECON 370</u></a>	Comparative Economic Systems		
<a href="#"><u>ECON 440</u></a>	Economics of International Trade and Policy		
<a href="#"><u>ECON 442</u></a>	Economics of International Finance and Policy		
<a href="#"><u>ECON 460</u></a>	Economic Development		
<a href="#"><u>ETST 256</u></a>	<a href="#"><u>Border Crossings: People/Politics/Culture (GT-SS3)</u></a>	<a href="#"><u>3E</u></a>	
<a href="#"><u>ETST 352/SOWK 352</u></a>	<a href="#"><u>Indigenous Women, Children, and Tribes</u></a>		
<a href="#"><u>ETST 365</u></a>	<a href="#"><u>Global Environmental Justice Movements</u></a>		
<a href="#"><u>FIN 475</u></a>	International Business Finance		
<a href="#"><u>GES 101</u></a>	<a href="#"><u>Foundations of Environmental Sustainability</u></a>		
<a href="#"><u>GES 192</u></a>	<a href="#"><u>Global Environmental Sustainability Seminar</u></a>		
<a href="#"><u>GR 320</u></a>	Cultural Geography		
<a href="#"><u>GR 330</u></a>	<a href="#"><u>Urban Geography</u></a>		
<a href="#"><u>GR 415</u></a>	<a href="#"><u>The Geography of Commodities</u></a>		

Code	Title	AUCC	Credits
<u>HIST 463</u>	Science and Technology in Modern History		
<u>HIST 467</u>	<u>Modern Jewish History</u>		
<u>HIST 470</u>	World Environmental History, 1500-Present		
<u>HIST 471</u>	<u>History of Antarctica, 1800-Present</u>		
<u>IE 179</u>	Globalization: Exploring Our Global Village (GT-SS3)	3E	
<u>IE 272</u>	<u>World Interdependence - Current Global Issues</u>		
<u>IE 300</u>	<u>Global Studies</u>		
<u>IE 370</u>	Model United Nations	3E	
<u>IE 450/SOWK 450</u>	International Social Welfare and Development		
<u>IE 470</u>	Women and Development		
<u>IE 471</u>	Children and Youth in Global Context		
<u>IE 472</u>	Education for Global Peace		
<u>INST 487</u>	<u>Internship<sup>2</sup></u>		
<u>INST 495</u>	<u>Independent Study<sup>2</sup></u>		
<u>JTC 412</u>	International Mass Communication		
<u>LB 170</u>	<u>World Literatures to 1500 (GT-AH2)</u>	3E	
<u>LB 171</u>	<u>World Literatures-The Modern Period (GT-AH2)</u>	3E	
<u>MGT 475</u>	International Business Management		
<u>MKT 365</u>	International Marketing		
<u>MU 131</u>	<u>Introduction to Music History and Literature (GT-AH1)</u>	3B	
<u>NRRT 320</u>	International Issues-Recreation and Tourism		
<u>PHIL 170</u>	<u>World Philosophies (GT-AH3)</u>	3E	
<u>PHIL 320</u>	<u>Ethics of Sustainability</u>		
<u>PHIL 479</u>	<u>Topics in Comparative Religions</u>		
<u>POLS 131</u>	<u>Current World Problems (GT-SS1)</u>	3E	
<u>POLS 232</u>	<u>International Relations (GT-SS1)</u>	3E	
<u>POLS 241</u>	<u>Comparative Government and Politics (GT-SS1)</u>	3E	
<u>POLS 362</u>	Global Environmental Politics		
<u>POLS 431</u>	International Law		
<u>POLS 433</u>	International Organization		
<u>POLS 435</u>	United States Foreign Policy		

Code	Title	AUCC	Credits
<u>POLS 436</u>	Comparative Foreign Policy		
<u>POLS 437</u>	International Security		
<u>POLS 442</u>	<u>Environmental Politics in Developing World</u>		
<u>POLS 443</u>	<u>Comparative Social Movements</u>		
<u>POLS 448</u>	<u>Comparative Racial/Ethnic Politics</u>		
<u>POLS 462</u>	<u>Globalization, Sustainability, and Justice</u>		
<u>SOC 105</u>	<u>Social Problems (GT-SS3)</u>	<u>3C</u>	
<u>SOC 220</u>	<u>Global Environmental Issues (GT-SS3)</u>	<u>3E</u>	
<u>SOC 320</u>	<u>Population-Natural Resources and Environment</u>		
<u>SOC 322</u>	<u>Introduction to Environmental Justice</u>		
<u>SOC 323</u>	<u>Sociology of Environmental Governance</u>		
<u>SOC 364</u>	Agriculture and Global Society		
<u>SOC 429</u>	Comparative Urban Studies		
<u>SOC 482A</u>	Travel Abroad: Comparative Criminal Justice <sup>3 4</sup>		
<u>SOC 482B</u>	Travel Abroad: Crime and Deviance <sup>3 4</sup>		
<u>SPCM 434</u>	Intercultural Communication		

<sup>1 3</sup> Select enough elective credits to bring the program total to 120, of which at least 42 must be upper-division (300- to 400-level).

<sup>2</sup> Maximum 3 credits.

<sup>3 4</sup> To count toward the International Studies Major Course Selection, travel abroad must be to a country or area covered by this concentration.

<sup>+</sup> ~~Select from the list of courses in category 3B of the All-University Core Curriculum (AUCC), except L\*\*\*200 and L\*\*\*201.~~

<sup>2</sup> ~~Courses selected here may not count toward the International Studies Major Course Selection requirement.~~



College of Liberal Arts  
Major in International Studies, Middle East and North African Studies Concentration

Effective Fall 2017

Effective Fall 2017 ~~Spring 2017~~

FRESHMAN			
		AUCC	CREDITS
<u>ANTH 200</u>	<u>Cultures and the Global System (GT-SS3)</u>	<u>3E</u>	<u>3</u>
<u>CO 150</u>	College Composition (GT-CO2)	1A	3
<u>GR 100</u>	Introduction to Geography (GT-SS2)	3C	3
<u>INST 200</u>	Interdisciplinary Approaches to Globalization	3E	3



<del>LARA 105</del>	Course LARA 105 Not Found	-	5
<del>LARA 107</del>	Course LARA 107 Not Found	-	5
<u>LARA 100</u>	<u>First-Year Arabic I</u>	-	<u>5</u>
<u>LARA 101</u>	<u>First-Year Arabic II</u>	-	<u>5</u>
<u>Select one from the following:</u>		-	<u>3</u>
<u>HIST 115</u>	<u>The Islamic World: Late Antiquity to 1500</u>	<u>3D</u>	-
<u>HIST 116</u>	<u>The Islamic World Since 1500</u>	<u>3D</u>	-
<u>HIST 170</u>	<u>World History, Ancient-1500 (GT-HI1)</u>	<u>3D</u>	-
<u>HIST 171</u>	<u>World History, 1500-Present (GT-HI1)</u>	<u>3D</u>	-
<u>Select one from the following:</u>		-	<u>3</u>
<u>POLS 232</u>	<u>International Relations (GT-SS1)</u>	<u>3E</u>	-
<u>POLS 241</u>	Comparative Government and Politics (GT-SS1)	3E	
<del>Arts and Humanities<sup>+</sup></del>		<del>3B</del>	<del>3</del>
<del>Historical Perspectives</del>		<del>3D</del>	<del>3</del>
<u>Mathematics</u>		1B	3
<b>Total Credits</b>			<b>31</b>
<b>SOPHOMORE</b>			
<u>Select one from the following:</u>			<u>3</u>
<u>AREC 202</u>	Agricultural and Resource Economics (GT-SS1)	3C	
<u>ECON 202</u>	Principles of Microeconomics (GT-SS1)	3C	
<u>ECON 204</u>	<u>Principles of Macroeconomics (GT-SS1)</u>	<u>3C</u>	
<u>ECON 211</u>	<u>Gender in the Economy (GT-SS1)</u>	<u>3E</u>	
<u>ECON 240/AREC 240</u>	<u>Issues in Environmental Economics (GT-SS1)</u>	<u>3C</u>	
<del>HIST 115</del>	<del>The Islamic World: Late Antiquity to 1500</del>	<del>3D</del>	<del>3</del>
<del>HIST 438</del>	<del>The Modern Middle East</del>	-	<del>3</del>
<u>LARA 200</u>	Second-Year Arabic I (GT-AH4)	3B	4
<u>LARA 201</u>	Second-Year Arabic II (GT-AH4)	3B	4
<u>Advanced Writing</u>		2	3
<u>Arts and Humanities</u>		<u>3B</u>	<u>6</u>
<u>Biological and Physical Sciences</u>		3A	7
Elective			3
<b>Total Credits</b>			<b>30</b>

<b>JUNIOR</b>			
<b>INST 301</b>	Global Commodities across the Disciplines	4B	3
<b>LARA 300</b>	Third Year Arabic		3
<b>LARA 301</b>	Oral Communication - Arabic		3
International Studies Major Course Selection			12
<b>Arts and Humanities<sup>+</sup></b>		<del>3B</del>	<del>3</del>
Electives			9 6
<b>Total Credits</b>			<b>30</b>
<b>SENIOR</b>			
<b>INST 492</b>	Seminar	4A,4C	3
International Studies Major Course Selection			12
Electives <sup>1,2</sup>			14
<b>Total Credits</b>			<b>29</b>
<b>Program Total Credits:</b>			<b>120</b>

### International Studies Major Course Selection

Students must select a minimum total of 24 credits, 18 of which must be upper-division (300- to 400-level), from at least three subject codes, from the following groups of courses. Select at least 6 credits from 1. History and Politics of the Middle East and North Africa; at least 6 credits from 2. Thought and Cultures of the Middle East and North Africa; and at least 3 credits from 3. International Studies. Select an additional minimum of 9 credits from among the three groups to bring the total to 24.

Code	Title	AUCC	Credits
<b>1. History and Politics of the Middle East and North Africa</b>			
Select a minimum of 6 credits from the following:			6
<b>HIST 303</b>	Hellenistic World: Alexander to Cleopatra		
<b>HIST 420</b>	<a href="#">Africa: Precolonial States and Empires</a>		
<b>HIST 421</b>	Africa: Colonialism to Independence		
<b>HIST 422</b>	Modern Africa		
<b>HIST 423</b>	<a href="#">South African History</a>		
<b>HIST 424</b>	<a href="#">East African History</a>		
<b>HIST 430</b>	<a href="#">Ancient Near East</a>		
<b>HIST 431</b>	Ancient Israel		
<b>HIST 432</b>	Sacred History in the Bible and the Qur'an		
<b>HIST 433</b>	Muhammad and the Origins of Islam		
<b>HIST 435</b>	Jihad and Reform in Islamic History		
<b>HIST 438</b>	<a href="#">The Modern Middle East</a>		
<b>HIST 467</b>	<a href="#">Modern Jewish History</a>		
<b>HIST 469</b>	The Crusades		

Code	Title	AUCC	Credits
<a href="#"><u>HIST 532</u></a>	Reading Seminar: Middle East		
<a href="#"><u>POLS 443</u></a>	<a href="#"><u>Comparative Social Movements</u></a>		
<a href="#"><u>POLS 444</u></a>	<a href="#"><u>Comparative African Politics</u></a>		
<a href="#"><u>POLS 449</u></a>	Middle East Politics		
<b>2. Thought and Culture of the Middle East and North Africa</b>			
Select a minimum of 6 credits from the following:			6
<a href="#"><u>ANTH 310</u></a>	<a href="#"><u>Peoples and Cultures of Africa</u></a>		
<a href="#"><u>ANTH 351</u></a>	<a href="#"><u>Archaeology of Europe and Africa</u></a>		
<a href="#"><u>ETST 130</u></a>	<a href="#"><u>West Africa in Global and Local Perspective</u></a>		
<a href="#"><u>ETST 412</u></a>	<a href="#"><u>Africa and African Diaspora</u></a>		
<a href="#"><u>LARA 250</u></a>	Arabic Language, Literature, Culture in Translation (GT-AH2)	3B	
<a href="#"><u>LGEN 465D</u></a>	Studies in Foreign Film: Africa		
<a href="#"><u>PHIL 171</u></a>	Religions of the West		
<a href="#"><u>PHIL 173</u></a>	<a href="#"><u>Philosophy of Traditional Judaism</u></a>		
<a href="#"><u>PHIL 335</u></a>	Islam: Cosmology and Practice		
<a href="#"><u>PHIL 379</u></a>	Mysticism East and West		
<a href="#"><u>PHIL 455</u></a>	Islamic Philosophy		
<b>3. International Studies</b>			
Select a minimum of 3 credits from the following:			3
<a href="#"><u>AGRI 270/IE 270</u></a>	World Interdependence-Population and Food (GT-SS3)	3E	
<a href="#"><u>AM 430</u></a>	International Retailing		
<a href="#"><u>AM 460</u></a>	Historic Textiles		
<del><a href="#"><u>ANTH 200</u></a></del>	<del><a href="#"><u>Cultures and the Global System (GT-SS3)</u></a></del>	<del>3E</del>	
<a href="#"><u>ANTH 100</u></a>	<a href="#"><u>Introductory Cultural Anthropology (GT-SS3)</u></a>	<a href="#"><u>3C</u></a>	
<a href="#"><u>ANTH 140</u></a>	<a href="#"><u>Introduction to Prehistory (GT-HI1)</u></a>	<a href="#"><u>3D</u></a>	
<a href="#"><u>ANTH 313</u></a>	<a href="#"><u>Modernization and Development</u></a>		
<a href="#"><u>ANTH 322</u></a>	<a href="#"><u>The Anthropology of Religion</u></a>		
<a href="#"><u>ANTH 329</u></a>	<a href="#"><u>Cultural Change</u></a>		
<a href="#"><u>ANTH 330</u></a>	<a href="#"><u>Human Ecology</u></a>		
<a href="#"><u>ANTH 336</u></a>	<a href="#"><u>Art and Culture</u></a>		
<a href="#"><u>ANTH 338</u></a>	<a href="#"><u>Gender and Anthropology</u></a>		
<a href="#"><u>ANTH 352</u></a>	Geoarchaeology		

Code	Title	AUCC	Credits
<a href="#">ANTH 413</a>	<a href="#">Indigenous Peoples Today</a>		
<a href="#">ANTH 415</a>	Indigenous Ecologies and the Modern World		
<a href="#">ANTH 416</a>	<a href="#">Gender, Culture, and Health</a>		
<a href="#">ANTH 422/SOC 422</a>	Comparative Legal Systems		
<a href="#">ANTH 438</a>	<a href="#">Approaches to Community-Based Development</a>		
<a href="#">ANTH 441</a>	Method in Cultural Anthropology		
<a href="#">ANTH 447</a>	<a href="#">Gender Equity in Development</a>		
<a href="#">ANTH 448</a>	<a href="#">Development and Empowerment</a>		
<a href="#">ANTH 479/IE 479</a>	International Development Theory and Practice		
<a href="#">AREC 240/ECON 240</a>	Issues in Environmental Economics (GT-SS1)	3C	
<a href="#">AREC 415</a>	International Agricultural Trade		
<a href="#">AREC 460</a>	Ag- and Resource-Based Economic Development		
<a href="#">BUS 350</a>	Travel Abroad-International Comparative Management		
<a href="#">BUS 405B</a>	<a href="#">Contemporary Business Topics: International Business</a>		
<a href="#">CON 450/INTD 450</a>	Travel Abroad-Sustainable Building		
<a href="#">E 142</a>	<a href="#">Reading Without Borders (GT-AH2)</a>	3E	
<a href="#">E 245</a>	<a href="#">World Drama (GT-AH2)</a>	3E	
<a href="#">E 330</a>	<a href="#">Gender in World Literature</a>		
<a href="#">E 339</a>	<a href="#">Literature of the Earth</a>		
<a href="#">E 428</a>	<a href="#">Postcolonial Literature</a>		
<a href="#">ECON 101</a>	<a href="#">Economics of Social Issues (GT-SS1)</a>	3C	
<a href="#">ECON 202</a>	<a href="#">Principles of Microeconomics (GT-SS1)</a>	3C	
<a href="#">ECON 204</a>	Principles of Macroeconomics (GT-SS1)	3C	
<a href="#">ECON 211</a>	<a href="#">Gender in the Economy (GT-SS1)</a>	3E	
<a href="#">ECON 332/POLS 332</a>	International Political Economy		
<a href="#">ECON 370</a>	Comparative Economic Systems		
<a href="#">ECON 440</a>	Economics of International Trade and Policy		
<a href="#">ECON 442</a>	Economics of International Finance and Policy		
<a href="#">ECON 460</a>	Economic Development		
<a href="#">ETST 256</a>	<a href="#">Border Crossings: People/Politics/Culture (GT-SS3)</a>	3E	
<a href="#">ETST 352/SOWK 352</a>	<a href="#">Indigenous Women, Children, and Tribes</a>		
<a href="#">ETST 365</a>	<a href="#">Global Environmental Justice Movements</a>		

Code	Title	AUCC	Credits
<b><u>FIN 475</u></b>	International Business Finance		
<b><u>GES 101</u></b>	<a href="#">Foundations of Environmental Sustainability</a>		
<b><u>GES 192</u></b>	<a href="#">Global Environmental Sustainability Seminar</a>		
<b><u>GR 320</u></b>	Cultural Geography		
<b><u>GR 330</u></b>	<a href="#">Urban Geography</a>		
<b><u>GR 415</u></b>	<a href="#">The Geography of Commodities</a>		
<b><u>HIST 463</u></b>	Science and Technology in Modern History		
<b><u>HIST 467</u></b>	<a href="#">Modern Jewish History</a>		
<b><u>HIST 470</u></b>	World Environmental History, 1500-Present		
<b><u>HIST 471</u></b>	History of Antarctica, 1800-Present		
<b><u>IE 179</u></b>	Globalization: Exploring Our Global Village (GT-SS3)	3E	
<b><u>IE 272</u></b>	<a href="#">World Interdependence - Current Global Issues</a>		
<b><u>IE 300</u></b>	<a href="#">Global Studies</a>		
<b><u>IE 370</u></b>	Model United Nations	3E	
<b><u>IE 450/SOWK 450</u></b>	International Social Welfare and Development		
<b><u>IE 470</u></b>	Women and Development		
<b><u>IE 471</u></b>	Children and Youth in Global Context		
<b><u>IE 472</u></b>	Education for Global Peace		
<b><u>INST 487</u></b>	<a href="#">Internship<sup>2</sup></a>		
<b><u>INST 495</u></b>	<a href="#">Independent Study<sup>2</sup></a>		
<b><u>JTC 412</u></b>	International Mass Communication		
<b><u>LB 170</u></b>	<a href="#">World Literatures to 1500 (GT-AH2)</a>	3E	
<b><u>LB 171</u></b>	<a href="#">World Literatures-The Modern Period (GT-AH2)</a>	3E	
<b><u>MGT 475</u></b>	International Business Management		
<b><u>MKT 365</u></b>	International Marketing		
<b><u>MU 131</u></b>	<a href="#">Introduction to Music History and Literature (GT-AH1)</a>	3B	
<b><u>NRRT 320</u></b>	International Issues-Recreation and Tourism		
<b><u>PHIL 170</u></b>	<a href="#">World Philosophies (GT-AH3)</a>	3E	
<b><u>PHIL 320</u></b>	<a href="#">Ethics of Sustainability</a>		
<b><u>PHIL 479</u></b>	<a href="#">Topics in Comparative Religions</a>		
<b><u>POLS 131</u></b>	<a href="#">Current World Problems (GT-SS1)</a>	3E	
<b><u>POLS 232</u></b>	<a href="#">International Relations (GT-SS1)</a>	3E	

Code	Title	AUCC	Credits
<a href="#"><u>POLS 241</u></a>	<a href="#"><u>Comparative Government and Politics (GT-SS1)</u></a>	<a href="#"><u>3E</u></a>	
<a href="#"><u>POLS 362</u></a>	Global Environmental Politics		
<a href="#"><u>POLS 431</u></a>	International Law		
<a href="#"><u>POLS 433</u></a>	International Organization		
<a href="#"><u>POLS 435</u></a>	United States Foreign Policy		
<a href="#"><u>POLS 436</u></a>	Comparative Foreign Policy		
<a href="#"><u>POLS 437</u></a>	International Security		
<a href="#"><u>POLS 442</u></a>	<a href="#"><u>Environmental Politics in Developing World</u></a>		
<a href="#"><u>POLS 443</u></a>	<a href="#"><u>Comparative Social Movements</u></a>		
<a href="#"><u>POLS 448</u></a>	<a href="#"><u>Comparative Racial/Ethnic Politics</u></a>		
<a href="#"><u>POLS 462</u></a>	<a href="#"><u>Globalization, Sustainability, and Justice</u></a>		
<a href="#"><u>SOC 105</u></a>	<a href="#"><u>Social Problems (GT-SS3)</u></a>	<a href="#"><u>3C</u></a>	
<a href="#"><u>SOC 220</u></a>	<a href="#"><u>Global Environmental Issues (GT-SS3)</u></a>	<a href="#"><u>3E</u></a>	
<a href="#"><u>SOC 320</u></a>	<a href="#"><u>Population-Natural Resources and Environment</u></a>		
<a href="#"><u>SOC 322</u></a>	<a href="#"><u>Introduction to Environmental Justice</u></a>		
<a href="#"><u>SOC 323</u></a>	<a href="#"><u>Sociology of Environmental Governance</u></a>		
<a href="#"><u>SOC 364</u></a>	Agriculture and Global Society		
<a href="#"><u>SOC 429</u></a>	Comparative Urban Studies		
<a href="#"><u>SOC 482A</u></a>	Travel Abroad: Comparative Criminal Justice <sup>3</sup>		
<a href="#"><u>SOC 482B</u></a>	Travel Abroad: Crime and Deviance <sup>3</sup>		
<a href="#"><u>SPCM 434</u></a>	Intercultural Communication		

<sup>4</sup> ~~Select from the list of courses in category 3B of the All-University Core Curriculum (AUCC), except L\*\*\* 200 and L\*\*\* 201.~~

<sup>1,2</sup> Select enough elective credits to bring program total to a minimum of 120 credits, of which at least 42 must be upper-division (300- to 400-level).

<sup>2</sup> [Maximum 3 credits.](#)

<sup>3</sup> To count toward the International Studies Major Course Selection, travel abroad must be to a country or area covered by this concentration.



College of Natural Sciences  
 Department of Mathematics  
 Major in Mathematics, General Mathematics Concentration

Effective Spring 2018

Effective ~~Spring 2017~~ Spring 2018

A minimum grade of C is required in all mathematics, statistics, and computer science courses which are required for graduation.

FRESHMAN		AUCC	CREDITS
<u>CO 150</u>	College Composition (GT-CO2)	1A	3
<u>MATH 160</u>	Calculus for Physical Scientists I (GT-MA1)	1B	4
<u>MATH 161</u>	Calculus for Physical Scientists II (GT-MA1)	1B	4
<u>MATH 192</u>	First Year Seminar in Mathematical Sciences		1
<u>Arts and Humanities</u>		3B	6
<u>Global and Cultural Awareness</u>		3E	3
<u>Historical Perspectives</u>		3D	3
<u>Social and Behavioral Sciences</u>		3C	3
Elective			<del>3</del> 3-4
<b>Total Credits</b>			<del>30</del> 30-31
SOPHOMORE			
Select one group from the following:			4
Group A:			
<u>CS 163</u> or <u>164</u>	Java (CS1) No Prior Programming Java (CS1) Prior Programming		
Group B:			
<u>CS 155</u>	Introduction to Unix		
<u>CS 156</u>	Introduction to C Programming I		
In addition, to complete Group B, select at least two of the following:			
<u>CS 157</u>	Introduction to C Programming II		
<u>CS 158/MATH 158</u>	Mathematical Algorithms in C		
<u>MATH 151</u>	Mathematical Algorithms in Matlab I		
<u>MATH 152</u>	Mathematical Algorithms in Maple		
<u>MATH 235</u>	Introduction to Mathematical Reasoning		2
<u>MATH 261</u>	Calculus for Physical Scientists III		4
<u>MATH 369</u>	Linear Algebra I		3
<u>PH 141</u>	Physics for Scientists and Engineers I (GT-SC1)	3A	5
<u>PH 142</u>	Physics for Scientists and Engineers II (GT-SC1)	3A	5
<u>STAT 303</u> or <u>315</u>	Introduction to Communications Principles Statistics for Engineers and Scientists		3
<u>Advanced Writing</u>		2	3

		<b>Total Credits</b>	<b>29</b>
<b>JUNIOR</b>			
Select one from the following: <sup>1,2</sup>			<u>3</u> <del>3-4</del>
<u><b>MATH 317</b></u>	Advanced Calculus of One Variable	4B	
<u><b>MATH 417</b></u>	Advanced Calculus I	4B,4C	
<u><b>MATH 340</b></u> or <u><b>345</b></u>	Introduction to Ordinary Differential Equations Differential Equations		4
Select one from the following: <sup>2</sup>			3
<u><b>MATH 360</b></u> <sup>1</sup>	Mathematics of Information Security	4A	
<u><b>MATH 366</b></u> <sup>1</sup>	Introduction to Abstract Algebra	4A	
<u><b>MATH 466</b></u> <sup>2</sup>	Abstract Algebra I	4A,4C	
<u><b>Biological and Physical Sciences</b></u> <sup>3</sup>		3A	3
Mathematical Sciences Electives <sup>4</sup>			6
Electives			11
		<b>Total Credits</b>	<b><u>30</u> <del>30-31</del></b>
<b>SENIOR</b>			
Select one from the following: <sup>1</sup>			3
<u><b>MATH 417</b></u>	Advanced Calculus I		
<u><b>MATH 418</b></u>	Advanced Calculus II		
<u><b>MATH 466</b></u>	Abstract Algebra I	4A,4C	
<u><b>MATH 467</b></u>	Abstract Algebra II		
Mathematical Sciences Electives <sup>4</sup>			12
Electives <sup>5</sup>			<u>16</u> <del>14-16</del>
		<b>Total Credits</b>	<b><u>31</u> <del>29-31</del></b>

**Program Total Credits:****120**

- <sup>1</sup> At least 12 credits of ALL upper division MATH courses must be at the 400-level or above.
- <sup>2</sup> These courses are in addition to the 18 credits of Mathematical Sciences Electives required in footnote 1, and may not be used to fulfill the Mathematical Sciences Electives requirement.
- <sup>3</sup> Select a non-physics course from category 3A in the AUCC.
- <sup>4</sup> Select 18 credits from upper division (300-400 level) MATH, CS, or STAT courses, except those courses ending in -80 to -99. At least 9 of the 18 credits must be from upper division MATH courses.
- <sup>5</sup> Select enough elective credits to bring the program total to a minimum of 120 credits, of which at least 42 must be upper-division (300- to 400-level).





College of Natural Sciences  
 Department of Mathematics  
 Major in Mathematics, Mathematics Education Concentration

Effective Spring 2018

## Effective ~~Effective~~ Spring 2017 Spring 2018

A minimum grade of C is required in all mathematics, statistics, and computer science courses which are required for graduation.

<b>FRESHMAN</b>		<b>AUCC</b>	<b>CREDITS</b>
<u><b>CO 150</b></u>	College Composition (GT-CO2)	1A	3
Select one group from the following:			4
Group A:			
<u><b>CS 163</b></u> or <u><b>164</b></u>	Java (CS1) No Prior Programming Java (CS1) Prior Programming		
Group B			
<u><b>CS 155</b></u>	Introduction to Unix		
<u><b>CS 156</b></u>	Introduction to C Programming I		
In addition, to complete Group B, select at least two of the following:			
<u><b>CS 157</b></u>	Introduction to C Programming II		
<u><b>CS 158/MATH 158</b></u>	Mathematical Algorithms in C		
<u><b>MATH 151</b></u>	Mathematical Algorithms in Matlab I		
<u><b>MATH 152</b></u>	Mathematical Algorithms in Maple		
<u><b>MATH 160</b></u>	Calculus for Physical Scientists I (GT-MA1)	1B	4
<u><b>MATH 161</b></u>	Calculus for Physical Scientists II (GT-MA1)	1B	4
<u><b>MATH 192</b></u>	First Year Seminar in Mathematical Sciences		1
<u><b>Arts and Humanities</b></u>		3B	6
<u><b>Global and Cultural Awareness</b></u>		3E	3
<u><b>Historical Perspectives</b></u>		3D	3
Electives			2
<b>Total Credits</b>			<b>30</b>
<b>SOPHOMORE</b>			
<u><b>EDUC 275</b></u>	Schooling in the United States (GT-SS3)	3C	3
<u><b>EDUC 340</b></u>	Literacy and the Learner		3
<u><b>MATH 230</b></u>	Discrete Mathematics for Educators		3
<u><b>MATH 261</b></u>	Calculus for Physical Scientists III		4
<u><b>MATH 369</b></u>	Linear Algebra I		3
<u><b>PH 141</b></u> <sup>1</sup>	Physics for Scientists and Engineers I (GT-SC1)	3A	5
<u><b>Advanced Writing</b></u>		2	3
<u><b>Biological and Physical Sciences</b></u> <sup>1</sup>		3A	4

Electives			3
<b>Total Credits</b>			<b>31</b>
<b>JUNIOR</b>			
<u>EDUC 331</u>	Educational Technology and Assessment		2
<u>EDUC 350</u>	Instruction I-Individualization/Management		3
<u>EDUC 386</u>	Practicum-Instruction I		1
<u>EDUC 464</u>	Methods and Materials in Teaching Mathematics		4
<u>MATH 317</u>	Advanced Calculus of One Variable	4B	<del>3</del> 4
<u>MATH 366</u>	Introduction to Abstract Algebra	4A	3
<u>MATH 470</u>	Euclidean and Non-Euclidean Geometry		3
<u>STAT 315</u>	Statistics for Engineers and Scientists		3
Additional Biological and Physical Sciences <sup>1</sup>		3A	4
Mathematical Sciences Elective <sup>2</sup>			3
Elective			<del>3</del> 2
<b>Total Credits</b>			<b>32</b>
<b>SENIOR</b>			
<u>EDUC 450</u>	Instruction II-Standards and Assessment		4
<u>EDUC 485B</u>	Student Teaching: Secondary		11
<u>EDUC 486E</u>	Practicum: Instruction II		1
<u>EDUC 493A</u>	Seminar: Professional Relations		1
<u>MATH 425</u>	History of Mathematics	4C	3
Electives <sup>3</sup>			7
<b>Total Credits</b>			<b>27</b>
<b>Program Total Credits:</b>			<b>120</b>

<sup>1</sup> Students in this major must take a minimum of 13 credits from at least two subject codes selected from category 3A, Biological and Physical Sciences, in the All-University Core Curriculum (AUCC). At least one course must include a laboratory.

<sup>2</sup> Select from STAT 420, STAT 430, or upper-division mathematics courses except those ending in -80 to -99.

<sup>3</sup> Select enough elective credits to bring the program total to a minimum of 120 credits, of which at least 42 must be upper-division (300- to 400-level).



College of Liberal Arts  
 Department of Communication Studies  
 Master of Arts in Communication Studies, Plan A

Effective Fall 2017

Effective Fall 2017 ~~2008~~

<b>First Year</b>		
<b>Fall</b>		<b>Total Credits</b>
<u>SPCM 601</u>	History of Rhetorical Theory	3
<u>SPCM 646</u>	Media Theory	3
<u>SPCM 675</u> <sup>+</sup>	Speech Communication Pedagogy	3
<u>SPCM 692</u>	Seminar	3
Elective		3
-	<b>Total Credits</b>	<b>0</b>
<b>Spring</b>		
<u>SPCM 612</u>	Rhetorical Criticism	3
<u>SPCM 638</u>	Communication Research Methods	3
<u>SPCM 684</u> <sup>+</sup>	Supervised College Teaching	3
Electives		3-6
-	<b>Total Credits</b>	<b>0</b>
<b>Second Year</b>		
<b>Fall</b>		
<u>SPCM 692</u>	Seminar	3
Elective		3-6
-	<b>Total Credits</b>	<b>0</b>
<b>Spring</b>		
<u>SPCM 699</u>	Thesis	3
Elective		0-3
-	<b>Total Credits</b>	<b>0</b>
-	<b>Program Total Credits:</b>	<b>0</b>
<b>Plan of Study Grid</b>		
<b>Code</b>	<b>Title</b>	<b>Credits</b>
<b>Core:</b>		
<u>SPCM 601</u>	<u>History of Rhetorical Theory</u>	<u>3</u>
<u>SPCM 612</u>	<u>Rhetorical Criticism</u>	<u>3</u>
<u>SPCM 638</u>	<u>Communication Research Methods</u>	<u>3</u>
<u>SPCM 639</u>	<u>Communication Theory</u>	<u>3</u>
<u>SPCM 646</u>	<u>Media Theory</u>	<u>3</u>
<u>SPCM 692</u>	<u>Seminar</u>	<u>3</u>

Code	Title	Credits
<a href="#">SPCM 699</a>	<a href="#">Thesis</a>	<a href="#">6</a>
<a href="#">Electives</a>		<a href="#">12</a>
Take 12 graduate credits (500 and above) – at least 9 SPCM credits and no more than 3 credits from outside the department		
<b><u>Students on graduate teaching assistantships must take the following courses in addition to the above requirements:</u></b>		<a href="#">6</a>
<a href="#">SPCM 675</a>	<a href="#">Speech Communication Pedagogy</a>	
<a href="#">SPCM 684</a>	<a href="#">Supervised College Teaching</a>	

**Program Total Credits:**

**[36-42](#)~~45~~**

A minimum of [36](#) ~~45~~ credits are required to complete this program.

- + ~~Students who are not serving as teaching assistants are not required to take [SPCM 675](#) or [SPCM 684](#). Graduate students are expected to complete a minimum of 27 credits in coursework other than [SPCM 684](#), [SPCM 692](#), or [SPCM 699](#). Only one course from outside the department may count toward that 27 credits. Only one course at the 300- or 400- level may count toward that 27 credits.~~



### Updates/Corrections to Previous Minutes

- Update to STAT 511A and STAT 511B registration information offering ‘online’ format:  
Subtopics were approved for STAT 511 effective Fall 2015 (2/20/15 UCC minutes), but the registration from information 511 was not added to the subtopics courses at that time. Per email from UCC Chair Dr. Makela, added "Must register for lecture and recitation. Section may be offered: Online." Effective Fall 2017.
- The Major in Chemistry, ACS Certified Concentration and the Major in Chemistry, Non-ACS Certified Concentration have had the following updates made to the program:
  - The minimum grade statement in the POS has been changed to require a minimum grade of “C” instead of “C-” effective Fall 2017.  
“Chemistry majors must achieve a minimum grade of **C** ~~C-~~ in all the listed courses required for the major in chemistry.”
  - 3XX or 4XX level courses for AA, BZ, CT, and NSCI have been added to the Advanced Science Electives List:

### Advanced Science Electives List

Code	Title	Credits
<b>College of Natural Sciences</b>		
<a href="#">AA 3XX or 4XX</a>		
BC 3XX or BC 4XX		
<a href="#">BZ 3XX or 4XX</a>		
CHEM 3XX or CHEM 4XX		
CS 3XX or CS 4XX		
<a href="#">CT 3XX or 4XX</a>		

Code	Title	Credits
LIFE 3XX or LIFE 4XX		
MATH 3XX or MATH 4XX		
<a href="#">NSCI 3XX or 4XX</a>		
PH 3XX or 4XX		
PSY 3XX or PSY 4XX		
STAT 3XX or STAT 4XX		

The meeting adjourned at 4:20 p.m.

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



University Curriculum Committee  
April 28, 2017  
**CONSENT AGENDA**

<b>Experimental Courses – 1<sup>st</sup> Offering</b>			
	<b>Course Title</b>		<b>Effective Term</b>
<a href="#">ENGR 381A1</a>	3D Printing Lab for Engineers		Fall 2017
<a href="#">LSGN 380A2</a>	American Sign Language for the Professions		Spring 2018
<a href="#">MECH 580A8</a>	Transportation, Energy, and the Environment		Fall 2017
<a href="#">MECH 681A5</a>	Continuum Mechanics		Fall 2017
<b>Summer 2017 Experimental courses</b>			
<a href="#">CIVE 580B2</a>	Applied Groundwater Field Experience		Summer 2017
<a href="#">RS 480A1</a>	Structure & Function of Rangeland Ecosystems		Summer 2017
<b>Experimental Courses – 2<sup>nd</sup> Offering (For Informational Purposes Only)</b>			
	<b>Course Title</b>		<b>Effective Term</b>
<a href="#">NSCI 580A2</a>	Ethical Issues in Big Data Research		Fall 2017
<a href="#">NSCI 580A3</a>	RNA-Sequencing Data Analysis		Fall 2017
<a href="#">NSCI 580A4</a>	Linux as a Computational Platform		Fall 2017
<a href="#">NSCI 580A5</a>	Genomics Data Analysis in Python		Fall 2017
<b>Minor Changes to Courses</b>			
	<b>Course Title</b>	<b>Requested Change</b>	<b>Effective Term</b>
<a href="#">AREC 341</a>	Environmental Economics	<b>Prerequisite:</b> (AREC 202 or ECON 202) <del>and (AREC 240 or ECON 240)</del>	Spring 2018
<a href="#">AREC 428</a>	Agricultural Business Management	<b>Prerequisite:</b> AREC 305 and (AREC 310 <del>or AREC 311</del> )	Spring 2018
<a href="#">MU 440</a>	Music Therapy Methods I	<b>Prerequisite:</b> MU 241; <u>MU 250.</u>	Spring 2018
<a href="#">MU 443</a>	Music Therapy Methods II	<b>Prerequisite:</b> MU <u>440</u> <del>241.</del>	Spring 2018
<a href="#">MU 467</a>	Vocal Pedagogy	<b>Offering Year:</b> <del>Odd</del> <u>Every</u>	Fall 2018
<a href="#">SPCM 342</a>	Critical Media Studies	<b>Prerequisite:</b> <u>None</u> <del>SPCM 100</del> <b>Registration Information:</b> <u>Sophomore standing.</u> Sections may be offered: Online.	Spring 2018



**ANEQ Course Registration Information – Removing ‘Maximum Credit Allowed’ statements**

‘Maximum credit allowed’ statements are listed at the top of the program requirements for the [Major in Animal Science](#) and the [Major in Equine Science](#). The same statement has been listed in the course descriptions for 15 ANEQ courses. Since the statements only apply to specific majors, the following statement will be removed from the Registration Information field for the 15 ANEQ listed below:

For Animal Science and Equine Science majors, a maximum of 5 credits is allowed for ANEQ 350A-E, ANEQ 352, ANEQ 353, ANEQ 354, ANEQ 355, ANEQ 356, ANEQ 357, ANEQ 361, ANEQ 362, ANEQ 363, and ANEQ 364.

A maximum of 12 credits is allowed for any combination of the following: ANEQ 350A-E, ANEQ 352, ANEQ 353, ANEQ 354, ANEQ 355, ANEQ 356, ANEQ 357, ANEQ 361, ANEQ 362, ANEQ 363, ANEQ 364, ANEQ 384, ANEQ 487, ANEQ 495, and ANEQ 496.

<a href="#">ANEQ 352</a>	<a href="#">ANEQ 357</a>	<a href="#">ANEQ 384</a>
<a href="#">ANEQ 353</a>	<a href="#">ANEQ 361</a>	<a href="#">ANEQ 487A</a>
<a href="#">ANEQ 354</a>	<a href="#">ANEQ 362</a>	<a href="#">ANEQ 487B</a>
<a href="#">ANEQ 355</a>	<a href="#">ANEQ 363</a>	<a href="#">ANEQ 495</a>
<a href="#">ANEQ 356</a>	<a href="#">ANEQ 364</a>	<a href="#">ANEQ 496</a>



### ***PSY Course Registration Information – Removing ‘Maximum Credit Allowed’ statements***

A ‘Maximum credit allowed’ statement was previously removed from PSY courses 487, 488, 495A-F, 496A-F and 499A-F since this is a program requirement rather than course registration information. The following statement will be removed from the Registration Information field for the 5 PSY courses listed below:

Maximum of 12 credits allowed for psychology majors toward graduation for any combination of PSY 295, PSY 296, PSY 384, PSY 484, PSY 486, PSY 488, PSY 495A-F, PSY 496A-F, PSY 498A-F, PSY 499A-F.

[PSY 295](#)  
[PSY 296](#)  
[PSY 384](#)  
[PSY 484](#)  
[PSY 486](#)



### ***Administrative Changes to Programs Due to Course Credit Changes***

College of Agricultural Sciences  
 Department of Agricultural and Resource Economics  
 Major in Agricultural Education, Agricultural Literacy Concentration

Effective Fall 2017

**Reason for update:** ANEQ 101 increased from 3-credits to 4-credits effective Fall 2015 – Freshman year credit range and Senior year electives and credit range updated. AGED 486 changed to AGED 486A effective Fall 2017 – course number has been updated in Senior year.

### **Effective Fall 2017 Fall 2015**

FRESHMAN		AUCC	CREDITS
<a href="#">AGED 110</a>	Agriculture Production Systems		3
<a href="#">AGED 220</a>	Understanding Agricultural Education		1
<a href="#">AGRI 192</a> or <a href="#">292</a>	Orientation to Agricultural Systems Transfer Seminar		1
<a href="#">ANEQ 101</a> or <a href="#">102</a>	Food Animal Science Introduction to Equine Science		<del>4</del> <span style="color: green;">3-4</span>
<a href="#">CHEM 107</a> or <a href="#">111</a>	Fundamentals of Chemistry (GT-SC2) General Chemistry I (GT-SC2)	3A	4
<a href="#">CO 150</a>	College Composition (GT-CO2)	1A	3
<a href="#">FSHN 125</a>	Food and Nutrition in Health		2

<u>LIFE 102</u>	Attributes of Living Systems (GT-SC1)	3A	4
<u>MATH 117</u>	College Algebra in Context I (GT-MA1)	1B	1
<u>MATH 118</u>	College Algebra in Context II (GT-MA1)	1B	1
<u>MATH 124</u>	Logarithmic and Exponential Functions (GT-MA1)	1B	1
<u>Arts and Humanities</u>		3B	6
<b>Total Credits</b>			<b>31 <del>30-31</del></b>
<b>SOPHOMORE</b>			
<u>AREC 202</u>	Agricultural and Resource Economics (GT-SS1)	3C	3
<u>EDUC 275</u>	Schooling in the United States (GT-SS3)	3C	3
<u>FTEC 110</u>	Food-From Farm to Table		3
<u>FW 104</u>	Wildlife Ecology and Conservation (GT-SC2)	3A	3
<u>HDFS 101</u>	Individual and Family Development (GT-SS3)	3C	3
<u>SOCR 100</u> or <u>240</u>	General Crops Introductory Soil Science		4
<u>SPCM 200</u>	Public Speaking		3
<u>SPCM 207</u>	Public Argumentation		3
<u>Global and Cultural Awareness</u>		3E	3
<u>Historical Perspectives</u>		3D	3
<b>Total Credits</b>			<b>31</b>
<b>JUNIOR</b>			
Select one from the following courses:			2-3
<u>AGRI 116/IE 116</u>	Plants and Civilizations (GT-SS3)	3E	
<u>AGRI 270/IE 270</u>	World Interdependence-Population and Food (GT-SS3)	3E	
<u>AGRI 300</u>	Issues in Agriculture		
<u>HORT 171/SOCR 171</u>	Environmental Issues in Agriculture (GT-SS3)	3E	
Select one from the following courses:			3
<u>AGRI 330/PHIL 330</u>	Agricultural and Food System Ethics		
<u>PHIL 305E</u>	Philosophical Issues in the Professions: Animal Science		
<u>PHIL 320</u>	Ethics of Sustainability		
<u>PHIL 345</u>	Environmental Ethics		
<u>ANEQ 250</u>	Live Animal and Carcass Evaluation		3
<u>AREC 328</u>	Small Agribusiness Management		3
<u>AREC 478</u>	Agricultural Policy		3
<u>CO 300</u> or <u>JTC 300</u>	Writing Arguments (GT-CO3) Professional and Technical Communication (GT-CO3)	2	3
<u>HORT 100</u>	Horticultural Science	3A	4
<u>JTC 419</u>	Food and Natural Resources Communication		3
Department Electives <sup>1</sup>			6



		Total Credits	30-31
<b>SENIOR</b>			
<u>AGED 330</u>	Program Design and Evaluation in Ag. Literacy		3
<u>AGED 430</u>	Methods of Agricultural Literacy	4B,4C	3
<del>AGED 486</del>	<del>Course AGED 486 Not Found</del>	-	<del>2</del>
<u>AGED 486A</u>	<u>Practicum: Agricultural Literacy</u>	-	<u>2</u>
<u>AREC 340/ECON 340</u>	Introduction: Economics of Natural Resources		3
<u>JTC 350</u>	Public Relations		3
Department Electives <sup>1</sup>			12
Electives <sup>2</sup>			<u>1-2</u> <del>1-3</del>
		<b>Total Credits</b>	<u>27-28</u> <del>27-29</del>

**Program Total Credits:****120**

<sup>1</sup> Select 9 upper-division credits (300- to 400-level) from each of two pathways listed below, for a total of 18 credits. Select from the subject codes associated with each pathway, with approval of advisor.

- Animal Systems: ANEQ
- Plant Systems: BSPM, HORT, LAND, SOCR
- Agricultural Business: AREC
- Natural Resources and Environmental Systems: AREC 342, F, FW, NR, RS
- Food Products and Processing Systems: FSHN, FTEC
- Human Development: HDFS

<sup>2</sup> Select enough elective credits to bring the program total to a minimum of 120 ~~123~~ credits. At least 42 credits must be upper-division (300- to 400-level).



**College of Agricultural Sciences**  
**Department of Agricultural and Resource Economics**  
**Major in Agricultural Education, Teacher Development Concentration**

**Effective Fall 2017**

**Reason for update:** AGED 241, 244, and 320 were all 1-credit courses required in this program. AGED 241 will be deactivated, AGED 244 increased to 3-credits, and AGED 320 could be taken as elective credit. The department was contacted to identify how they would prefer to adjust the program requirements to account for the changes and the POS has been updated accordingly.

Effective Fall 2017 ~~Fall 2015~~

<b>FRESHMAN</b>		<b>AUCC</b>	<b>CREDITS</b>
<u>AGED 220</u>	Understanding Agricultural Education		1
<u>AGED 240</u>	Technical Tool Applications in Ag Education		2
<del>AGED 320</del>	<del>Technology Lab for Ag Education</del>	-	<del>1</del>
<u>AGRI 192</u> or <u>292</u>	Orientation to Agricultural Systems		1

	Transfer Seminar		
<u>ANEQ 101</u> or <u>102</u>	Food Animal Science Introduction to Equine Science		4
<u>AREC 202</u>	Agricultural and Resource Economics (GT-SS1)	3C	3
<u>CHEM 107</u>	Fundamentals of Chemistry (GT-SC2)	3A	4
<u>CO 150</u>	College Composition (GT-CO2)	1A	3
<u>SOCR 100</u>	General Crops		4
Select four credits from the following:			4
<u>BZ 110</u> & <u>BZ 111</u>	Principles of Animal Biology (GT-SC2)	3A	
<u>BZ 120</u>	Principles of Plant Biology (GT-SC1)	3A	
<u>LIFE 102</u>	Attributes of Living Systems (GT-SC1)	3A	
Select a minimum of three credits from the following:			3-4
<u>MATH 117</u>	College Algebra in Context I (GT-MA1)	1B	
<u>MATH 118</u>	College Algebra in Context II (GT-MA1)	1B	
<u>MATH 124</u>	Logarithmic and Exponential Functions (GT-MA1)	1B	
<u>MATH 141</u>	Calculus in Management Sciences (GT-MA1)	1B	
<u>MATH 155</u>	Calculus for Biological Scientists I (GT-MA1)	1B	
<u>MATH 160</u>	Calculus for Physical Scientists I (GT-MA1)	1B	
<u>Arts and Humanities</u>		3B	3
<b>Total Credits</b>			<u>32-33</u> <del>33-34</del>

## SOPHOMORE

<u>ANEQ 250</u>	Live Animal and Carcass Evaluation		3
<del><u>AGED 241</u></del>	<del>Plumbing and Electrical Applications in Ag Ed</del>	-	<del>4</del>
<u>AGED 244</u>	Power, Structure, and Tech. Systems in Ag Ed		<u>3</u> +
<u>SOCR 240</u>	Introductory Soil Science		4
Select 3 credits from the following Natural Resource/Environmental System Electives:			3
<u>AREC 240</u>	Issues in Environmental Economics (GT-SS1)	3C	
<u>AREC 340/ECON 340</u>	Introduction: Economics of Natural Resources		
<u>AREC 342</u>	Water Law, Policy, and Institutions		
<u>FW 104</u>	Wildlife Ecology and Conservation (GT-SC2)	3A	
<u>FW 260</u>	Principles of Wildlife Management		
<u>RS 300</u>	Rangeland Conservation and Stewardship		
Agricultural Science Elective <sup>1</sup>			3
Food Products and Processing Systems Elective <sup>1</sup>			5-6
<u>Arts and Humanities</u>		3B	3
<u>Global and Cultural Awareness</u>		3E	3

<u>Historical Perspectives</u>		3D	3
		<b>Total Credits</b>	<b><u>30-31</u> <del>29-30</del></b>
<b>JUNIOR</b>			
<u>AGED 420</u>	Developing School-Based Ag Education Programs		3
<u>AREC 305</u>	Agricultural and Resource Enterprise Analysis		3
<u>EDUC 275</u>	Schooling in the United States (GT-SS3)	3C	3
<u>EDUC 331</u>	Educational Technology and Assessment		2
<u>EDUC 340</u>	Literacy and the Learner		3
<u>EDUC 350</u>	Instruction I-Individualization/Management		3
<u>EDUC 386</u>	Practicum-Instruction I		1
<u>HORT 100</u>	Horticultural Science	3A	4
Select 3 credits not previously taken from the following Natural Resource/Environmental System Electives:			3
<u>AREC 240</u>	Issues in Environmental Economics (GT-SS1)	3C	
<u>AREC 340/ECON 340</u>	Introduction: Economics of Natural Resources		
<u>AREC 342</u>	Water Law, Policy, and Institutions		
<u>FW 104</u>	Wildlife Ecology and Conservation (GT-SC2)	3A	
<u>FW 260</u>	Principles of Wildlife Management		
<u>RS 300</u>	Rangeland Conservation and Stewardship		
Select one of the following courses:			3
<u>AREC 310</u>	Agricultural Marketing		
<u>AREC 328</u>	Small Agribusiness Management		
<u>AREC 408</u>	Agricultural Finance		
<u>Advanced Writing</u>		2	3
		<b>Total Credits</b>	<b>31</b>
<b>SENIOR</b>			
<u>EDCT 425</u>	Methods/Materials in Agricultural Education		4
<u>EDCT 485</u>	Student Teaching	4A,4B,4C	11
<u>EDCT 492</u>	Seminar-Professional Relations	4C	2
<u>EDUC 450</u>	Instruction II-Standards and Assessment		4
<u>EDUC 486E</u>	Practicum: Instruction II		1
Agricultural Science Elective <sup>1</sup>			<u>3-6</u> <del>3-9</del>
		<b>Total Credits</b>	<b><u>25-28</u> <del>25-31</del></b>
<b>Program Total Credits:</b>			<b><u>120-123</u></b>

<sup>1</sup> Select course(s) in consultation with advisor.



### *Programs affected by PSY 250 credit change*

College of Natural Sciences  
 Department of Computer Science  
 Major in Computer Science, Human-Centered Computing Concentration

Effective Fall 2017

**Reason for update:** Effective Fall 2017, PSY 250 decreased from 4-credit to 3-credits, which affected the credits for this program. The CS department was contacted to identify how they would prefer to adjust the program requirements to account for the credit change and the POS has been updated accordingly.

### Effective Fall 2017

<b>SOPHOMORE</b>			
<u>CS 220</u>	Discrete Structures and their Applications		4
<u>CS 253</u>	Software Development with C++		4
<u>CS 270</u>	Computer Organization		4
<u>MATH 161</u>	Calculus for Physical Scientists II (GT-MA1)	1B	4
<u>MATH 229</u>	Matrices and Linear Equations		2
<u>PSY 250</u>	<del>Research Design and Analysis I</del>	-	<del>4</del>
<u>PSY 252</u>	Mind, Brain, and Behavior		3
<u>Advanced Writing</u>		2	3
<u>Biological and Physical Sciences</u>		3A	3
<u>Electives</u>			4
<b>Total Credits</b>			<b>31</b>
<b>JUNIOR</b>			
<u>CS 320</u>	Algorithms--Theory and Practice		3
<u>CS 464</u>	Principles of Human-Computer Interaction	4A,4B,4C	4
<u>CT 310</u>	Web Development		4
<u>PSY 250</u>	<del>Research Design and Analysis I</del>	-	<del>3</del>
Select 3-6 credits from the following:			3-6
<u>STAT 311</u> & <u>STAT 312</u>	Statistics for Behavioral Sciences I		
OR			
<u>STAT 315</u>	Statistics for Engineers and Scientists	4B	
<u>Arts and Humanities</u>		3B	3
<u>Historical Perspectives</u>		3D	3
Upper-Division Electives			3
Electives			0-3 <del>3-6</del>
<b>Total Credits</b>			<b>29</b>



**College of Veterinary Medicine and Biomedical Sciences**  
**Department of Biomedical Sciences**  
**Major in Neuroscience, Behavioral and Cognitive Neuroscience Concentration**

**Effective Fall 2017**

**Reason for update:** Effective Fall 2017, PSY 250 decreased from 4-credit to 3-credits, which affected the credits for this program. The CS department was contacted to identify how they would prefer to adjust the program requirements to account for the credit change and the POS has been updated accordingly.

The Behavioral and Cognitive Neuroscience concentration integrates an understanding of neuroanatomy with the mechanisms of sensation/perception and learning/memory, generally applied to human behavior. Its focus is at the functional level of neuronal systems and networks. It differs from classical psychology in providing a more in-depth cellular and molecular basis for understanding behavior and neurological disorders that influence behavior. Graduates with this concentration are well prepared for many graduate and professional degree programs in health professions, as well as for careers in a variety of clinical settings, non-profit disease oriented foundations, and private sector organizations in either research-related or human resource service-related positions.

Effective **Fall 2017** ~~Spring 2015~~

<b>FRESHMAN</b>		<b>AUCC</b>	<b>CREDITS</b>
<u><b>CHEM 111</b></u>	General Chemistry I (GT-SC2)	3A	4
<u><b>CHEM 112</b></u>	General Chemistry Lab I (GT-SC1)	3A	1
<u><b>CHEM 113</b></u>	General Chemistry II		3
<u><b>CHEM 114</b></u>	General Chemistry Lab II		1
<u><b>CO 150</b></u>	College Composition (GT-CO2)	1A	3
<u><b>LIFE 102</b></u>	Attributes of Living Systems (GT-SC1)	3A	4
<u><b>LIFE 201B</b></u>	Introductory Genetics: Molecular/Immunological/Developmental (GT-SC2)	3A	3
<u><b>LIFE 203</b></u>	Introductory Genetics Laboratory		2
<u><b>MATH 155</b></u>	Calculus for Biological Scientists I (GT-MA1)	1B	4
<u><b>NB 192</b></u>	Introductory Neuroscience Seminar		1
<u><b>PSY 100</b></u>	General Psychology (GT-SS3)	3C	3
<u><b>Arts and Humanities</b></u>		3B	3
<b>Total Credits</b>			<b>32</b>
<b>SOPHOMORE</b>			
<u><b>CHEM 341</b></u>	Modern Organic Chemistry I		3
<u><b>CHEM 343</b></u>	Modern Organic Chemistry II		3
<u><b>CHEM 344</b></u>	Modern Organic Chemistry Laboratory		2
Select one from the following:			3
<u><b>CO 300</b></u>	Writing Arguments (GT-CO3)	2	
<u><b>CO 301B</b></u>	Writing in the Disciplines: Sciences (GT-CO3)	2	
<u><b>LIFE 210</b></u>	Introductory Eukaryotic Cell Biology		3
<u><b>LIFE 212</b></u>	Introductory Cell Biology Laboratory		2

Select one from the following:			5
<u>PH 121</u>	General Physics I (GT-SC1)	3A	
<u>PH 141</u>	Physics for Scientists and Engineers I (GT-SC1)	3A	
<del>PSY 250</del>	<del>Research Design and Analysis I</del>	-	<del>4</del>
<u>PSY 252</u>	Mind, Brain, and Behavior		3
<u>Arts and Humanities</u>		3B	3
<u>Global and Cultural Awareness</u>		<u>3E</u>	<u>3</u>
<b>Total Credits</b>			<del>30</del> <b>34</b>
<b>JUNIOR</b>			
<u>BC 351</u>	Principles of Biochemistry		4
<u>BMS 300</u>	Principles of Human Physiology		4
<u>BMS 345</u>	Functional Neuroanatomy		4
<u>NB 399</u>	Thesis Preparation		1
<u>PSY 250</u>	<u>Research Design and Analysis I</u>	-	<u>3</u>
<u>PSY 458</u>	Cognitive Neuroscience	4B	3
<u>PSY 459</u>	Cognitive Neuroscience Laboratory	4A	2
Select one from the following:			3
<u>PSY 352</u>	Learning and Memory		
<u>PSY 452</u>	Cognitive Psychology		
Select one from the following:			3
<u>STAT 301</u>	Introduction to Statistical Methods		
<u>STAT 307</u>	Introduction to Biostatistics		
<del>Global and Cultural Awareness</del>		<del>3E</del>	<del>3</del>
<u>Historical Perspectives</u>		3D	3
<b>Total Credits</b>			<b>30</b>
<b>SENIOR</b>			
<u>BMS 325</u>	Cellular Neurobiology		3
<u>NB 493</u>	Senior Seminar	4C	1
<u>NB 499</u>	Senior Thesis	4A,4C	3
<u>PSY 454</u>	Biological Psychology		3
<u>PSY 455</u>	Biological Psychology Laboratory		2
<u>PSY 456</u>	Sensation and Perception	4B	3
<u>PSY 457</u>	Sensation and Perception Laboratory		2
Electives <sup>1</sup>			<del>11</del> <b>10</b>
<b>Total Credits</b>			<del>28</del> <b>27</b>

Program Total Credits:

120

<sup>1</sup> Select enough elective credits to bring the program total to a minimum of 120 credits, of which at least 42 must be upper-division (300- to 400-level).



### Programs affected by MATH 317 credit change

College of Natural Sciences  
Department of Mathematics

Effective Spring 2018

Major in Mathematics, Computational Mathematics Concentration

**Reason for Request:**

Statistics has informed us that they will not be running STAT 192 and STAT 321 any longer, starting SP16. This request is to change program requirements accordingly, using only available classes.

Allow use of the new CS sequence CS 163/164, CS 165, CS 270 to satisfy the computation requirements.

Math 317 is proposed (separate CIM proposal) to change to 3 credits and to add a prerequisite of MATH 235. The program of study reflects this change.

In the past many students have had (transfer/changed major) credit for MATH 340, but not 345. Substitution requests for these classes have been granted in general. This option is made general now.

Effective [Spring 2018](#) ~~Fall 2015~~

#### [View Major Completion Map](#)

A minimum grade of C is required in all mathematics, statistics, and computer science courses which are required for graduation.

FRESHMAN		AUCC	CREDITS
<a href="#">CO 150</a>	College Composition (GT-CO2)	1A	3
<a href="#">MATH 160</a>	Calculus for Physical Scientists I (GT-MA1)	1B	4
<a href="#">MATH 161</a>	Calculus for Physical Scientists II (GT-MA1)	1B	4
<a href="#">MATH 192</a>	First Year Seminar in Mathematical Sciences		1
<a href="#">PH 141</a>	Physics for Scientists and Engineers I (GT-SC1)	3A	5
<del><a href="#">STAT 192</a></del>	<del>First Year Seminar in Statistics</del>	-	<del>4</del>
<a href="#">Arts and Humanities</a>		3B	6
<a href="#">Historical Perspectives</a>		3D	3
<a href="#">Social and Behavioral Sciences</a>		3C	3
<a href="#">Electives</a>		-	<u>1</u>
<b>Total Credits</b>			<b>30</b>
SOPHOMORE			
<del><a href="#">CS 160</a></del>	<del>Foundations in Programming</del>	-	<del>4</del>
<del><a href="#">CS 161</a></del>	<del>Object Oriented Problem Solving</del>	-	<del>4</del>
<a href="#">CS 163 or 164</a>	<a href="#">Java (CS1) No Prior Programming</a>	-	<u>4</u>

	<a href="#">Java (CS1) Prior Programming</a>		
<a href="#">CS 165</a>	<a href="#">Java (CS2) Data Structures and Algorithms</a>	-	<a href="#">4</a>
<a href="#">MATH 261</a>	Calculus for Physical Scientists III		4
<a href="#">MATH 331</a>	Introduction to Mathematical Modeling		3
<a href="#">MATH 369</a>	Linear Algebra I	4A	3
<a href="#">MATH 235</a>	<a href="#">Introduction to Mathematical Reasoning</a>	-	<a href="#">2</a>
<a href="#">PH 142</a>	Physics for Scientists and Engineers II (GT-SC1)	3A	5
<a href="#">STAT 315</a>	Statistics for Engineers and Scientists		3
<a href="#">Global Cultural Awareness</a>		3E	3
<a href="#">Electives</a>		-	<a href="#">2</a>
<b>Total Credits</b>			<b>31</b>
<b>JUNIOR</b>			
<a href="#">CS 200</a>	Algorithms and Data Structures		4
<a href="#">MATH 317</a>	Advanced Calculus of One Variable	4B	<a href="#">34</a>
<a href="#">MATH 332</a>	Partial Differential Equations		3
<a href="#">MATH 345</a>	<a href="#">Differential Equations</a>	-	<a href="#">4</a>
<a href="#">MATH 340 or 345</a>	<a href="#">Introduction to Ordinary Differential Equations</a> <a href="#">Differential Equations</a>	-	<a href="#">4</a>
<a href="#">MATH 450</a>	Introduction to Numerical Analysis I		3
<a href="#">MATH 451</a>	Introduction to Numerical Analysis II		3
<a href="#">Biological and Physical Sciences</a> <sup>1</sup>		3A	<a href="#">3-5</a>
<a href="#">Electives</a>			<a href="#">73</a>
<b>Total Credits</b>			<b><a href="#">3027-29</a></b>
<b>SENIOR</b>			
<a href="#">JTC 300</a>	Professional and Technical Communication (GT-CO3)	2	3
Select one course from the following:			3
<a href="#">ECE 430/MATH 430</a>	Fourier and Wavelet Analysis with Apps		
<a href="#">MATH 417</a>	Advanced Calculus I		
<a href="#">MATH 419</a>	Introduction to Complex Variables		
<a href="#">MATH 435</a>	Projects in Applied Mathematics	4C	3
<a href="#">STAT 321</a>	<a href="#">Elementary Probabilistic Stochastic Modeling</a>	-	<a href="#">3</a>
<a href="#">Select one course of the following</a>			<a href="#">3</a>
<a href="#">STAT 341</a>	<a href="#">Statistical Data Analysis I</a>	-	-
<a href="#">STAT 400</a>	<a href="#">Statistical Computing</a>	-	-
<a href="#">STAT 420</a>	<a href="#">Probability and Mathematical Statistics I</a>	-	-



Electives <sup>2</sup>	<del>17</del> <del>18</del> <del>20</del>
<b>Total Credits</b>	<del>29</del> <del>30</del> <del>32</del>
<b>Program Total Credits:</b>	
	<b>120</b>

<sup>1</sup> Select from the list of courses (in a department other than Physics) in category 3A in the AUCC.

<sup>2</sup> Select enough elective credits to bring program total to a minimum of 120 credits, of which at least 42 must be upper-division (300- to 400-level).



**College of Natural Sciences**  
**Department of Mathematics**  
**Major in Mathematics, Mathematics of Information Concentration**

**Effective Spring 2018**

**Reason for Request:**

Statistics has informed us that they will not be running STAT 192 and STAT 321 any longer, starting SP16. This request is to change program requirements accordingly, using only available classes.

Math 317 is proposed (separate CIM proposal) to change to 3 credits and to add a prerequisite of MATH 235. The program of study reflects this change.

In the past many students have had (transfer/changed major) credit for MATH 340, but not 345. Substitution requests for these classes have been granted in general. This option is made general now.

Effective Spring 2018 ~~Fall 2015~~

[View Major Completion Map](#)

A minimum grade of C is required in all mathematics, statistics, and computer science courses which are required for graduation.

<b>FRESHMAN</b>		<b>AUCC</b>	<b>CREDITS</b>
<u><a href="#">CO 150</a></u>	College Composition (GT-CO2)	1A	3
<u><a href="#">CS 155</a></u>	Introduction to Unix		1
<u><a href="#">CS 156</a></u>	Introduction to C Programming I		1
<u><a href="#">ECE 103</a></u>	DC Circuit Analysis		3
<u><a href="#">MATH 160</a></u>	Calculus for Physical Scientists I (GT-MA1)	1B	4
<u><a href="#">MATH 161</a></u>	Calculus for Physical Scientists II (GT-MA1)	1B	4
<u><a href="#">MATH 192</a></u>	First Year Seminar in Mathematical Sciences		1
<del><u><a href="#">STAT 192</a></u></del>	<del>First Year Seminar in Statistics</del>	<del>-</del>	<del>4</del>
<u><a href="#">Arts and Humanities</a></u>		3B	3
<u><a href="#">Global and Cultural Awareness</a></u>		3E	3
<u><a href="#">Historical Perspectives</a></u>		3D	3
<u><a href="#">Social and Behavioral Sciences</a></u>		3C	3
<u><a href="#">Electives</a></u>		-	<u>1</u>
<b>Total Credits</b>			<b>30</b>
<b>SOPHOMORE</b>			

<u>ECE 202</u>	Circuit Theory Applications		4
<u>JTC 300</u>	Professional and Technical Communication (GT-CO3)	2	3
<u>MATH 151</u>	Mathematical Algorithms in Matlab I		1
<u>MATH 152</u>	Mathematical Algorithms in Maple		1
<u>MATH 158/CS 158</u>	Mathematical Algorithms in C		1
<u>MATH 261</u>	Calculus for Physical Scientists III		4
<del>MATH 345</del>	<del>Differential Equations</del>	-	<del>4</del>
<u>MATH 340 or 345</u>	<u>Introduction to Ordinary Differential Equations</u> <u>Differential Equations</u>	-	<u>4</u>
<u>MATH 369</u>	Linear Algebra I	4A	3
<u>MATH 235</u>	<u>Introduction to Mathematical Reasoning</u>	-	<u>2</u>
<u>STAT 315</u>	Statistics for Engineers and Scientists		3
<u>Arts and Humanities</u>		3B	3
Electives <sup>+</sup>			<u>13</u>
<b>Total Credits</b>			<b>30</b>
<b>JUNIOR</b>			
<u>ECE 311</u> <sup>2</sup>	Linear System Analysis I		3
<u>MATH 317</u>	Advanced Calculus of One Variable	4B	<u>34</u>
<u>MATH 360 or 366</u>	Mathematics of Information Security Introduction to Abstract Algebra		3
<u>Biological and Physical Sciences</u> <sup>3</sup>		3A	7
Electrical Engineering/Mathematical Science Elective <sup>4</sup>			3
Electives <sup>1</sup>			<u>1140</u>
<b>Total Credits</b>			<b>30</b>
<b>SENIOR</b>			
<u>ECE 312</u>	Linear System Analysis II		3
<u>MATH 460</u>	Information and Coding Theory	4C	3
Select one from the following:			3
<u>STAT 303/ECE 303</u>	Introduction to Communications Principles		
<del>STAT 321</del>	<del>Elementary Probabilistic Stochastic Modeling</del>	-	-
<del>STAT 340</del>	<del>Multiple Regression Analysis</del>	-	-
<u>STAT 341</u>	<u>Statistical Data Analysis I</u>		
<u>STAT 400</u>	<u>Statistical Computing</u>		
<u>STAT 420</u>	<u>Probability and Mathematical Statistics I</u>		
Electrical Engineering/Mathematical Science Electives <sup>4</sup>			9
Electives <sup>1</sup>			12

<b>Total Credits</b>	<b>30</b>
<b>Program Total Credits:</b>	<b>120</b>

- <sup>1</sup> Select enough elective credits to bring the program total to a minimum of 120 credits, of which at least 42 must be upper-division (300- to 400-level).
- <sup>2</sup> Students in this concentration may need to obtain a prerequisite override from the appropriate department to enroll in this course.
- <sup>3</sup> Select two courses from the list of courses in category 3A in the AUCC. One course must include a lab. Courses must be selected from two different subject codes.
- <sup>4</sup> Select a total of 12 credits from (A) and (B), with 6 or more coming from (A):
  - A. upper-division mathematics courses except those ending in –80 to –99;
  - B. upper-division ECE, CS, MATH, or STAT courses, except those ending in –80 to –99.



College of Natural Sciences  
 Department of Statistics  
 Major in Statistics, General Statistics Concentration

Effective Fall 2017

Effective ~~Spring 2017~~ Fall 2017

<b>FRESHMAN</b>			
		<b>AUCC</b>	<b>CREDITS</b>
<u>CO 150</u>	College Composition (GT-CO2)	1A	3
<u>MATH 160</u>	Calculus for Physical Scientists I (GT-MA1)	1B	4
<u>MATH 161</u>	Calculus for Physical Scientists II (GT-MA1)	1B	4
<u>STAT 158</u>	Introduction to R Programming		1
<u>STAT 315</u>	Statistics for Engineers and Scientists		3
<u>Global and Cultural Awareness</u>		3E	3
<u>Historical Perspectives</u>		3D	3
Electives			9
<b>Total Credits</b>			<b>30</b>
<b>SOPHOMORE</b>			
<u>JTC 300</u>	Professional and Technical Communication (GT-CO3)	2	3
<u>MATH 261</u>	Calculus for Physical Scientists III		4
<u>MATH 235</u>	<u>Introduction to Mathematical Reasoning</u>	-	<u>2</u>
<u>MATH 369</u>	Linear Algebra I		3
<u>STAT 341</u>	Statistical Data Analysis I		3
<u>STAT 342</u>	Statistical Data Analysis II		3
Select one group from the following:			4
Group A:			
<u>CS 163</u> or <u>164</u>	Java (CS1) No Prior Programming		

	Java (CS1) Prior Programming		
Group B:			
<u>CS 155</u>	Introduction to Unix		
<u>CS 156</u>	Introduction to C Programming I		
In addition to <u>CS 155</u> and <u>CS 156</u> , select at least two of the following:			
<u>CS 157</u>	Introduction to C Programming II		
<u>CS 158/MATH 158</u>	Mathematical Algorithms in C		
<u>MATH 151</u>	Mathematical Algorithms in Matlab I		
<u>MATH 152</u>	Mathematical Algorithms in Maple		
<b>Biological and Physical Sciences</b>		3A	7
<b>Electives</b>		-	3
<b>Total Credits</b>			<b><u>29</u>30</b>
<b>JUNIOR</b>			
<u>MATH 317</u>	Advanced Calculus of One Variable		34
<u>STAT 358</u>	Introduction to Statistical Computing in SAS		2
<u>STAT 420</u>	Probability and Mathematical Statistics I		3
<u>STAT 430</u>	Probability and Mathematical Statistics II	4A	3
Select one course from the following:			3
<u>STAT 400</u>	Statistical Computing		
<u>STAT 440</u>	Bayesian Data Analysis		
Select one course from the following:			3
<u>STAT 305</u>	Sampling Techniques		
<u>STAT 460</u>	Applied Multivariate Analysis		
<b>Arts and Humanities</b>		3B	6
<b>Social and Behavioral Sciences</b>		3C	3
Upper-Division CS/MATH/STAT Electives <sup>1</sup>			3
<b>Total Credits</b>			<b><u>29</u>30</b>
<b>SENIOR</b>			
<u>STAT 472</u>	Statistical Consulting	4A,4B,4C	3
Upper-Division CS/MATH/STAT Elective <sup>1</sup>			3
Electives <sup>2</sup>			<u>26</u> 24
<b>Total Credits</b>			<b><u>32</u>30</b>
<b>Program Total Credits:</b>			<b>120</b>

<sup>1</sup> Select upper-division (300- to 400-level) computer science, mathematics, or statistics courses (excluding courses ending in -82 to-99).

<sup>2</sup> Select enough elective credits to bring the program total to a minimum of 120 credits, of which at least 42 must be upper-division (300- to 400-level).



College of Natural Sciences  
 Department of Statistics  
 Major in Statistics, Mathematical Statistics Concentration

Effective Fall 2017

Effective ~~Spring 2017~~ Fall 2017

A minimum grade of C is required in each mathematics, statistics, and computer science course required for the major.

<b>FRESHMAN</b>			
		<b>AUCC</b>	<b>CREDITS</b>
<u>CO 150</u>	College Composition (GT-CO2)	1A	3
<u>MATH 160</u>	Calculus for Physical Scientists I (GT-MA1)	1B	4
<u>MATH 161</u>	Calculus for Physical Scientists II (GT-MA1)	1B	4
<u>STAT 158</u>	Introduction to R Programming		1
<u>STAT 315</u>	Statistics for Engineers and Scientists		3
<u>Arts and Humanities</u>		3B	3
<u>Global and Cultural Awareness</u>		3E	3
<u>Historical Perspectives</u>		3D	3
Electives			<del>6</del> <b>4</b>
<b>Total Credits</b>			<del>30</del> <b>28</b>
<b>SOPHOMORE</b>			
<u>JTC 300</u>	Professional and Technical Communication (GT-CO3)	2	3
<u>MATH 235</u>	<u>Introduction to Mathematical Reasoning</u>	-	<del>2</del> <b>2</b>
<u>MATH 261</u>	Calculus for Physical Scientists III		4
<u>MATH 369</u>	Linear Algebra I		3
<u>STAT 341</u>	Statistical Data Analysis I		3
<u>STAT 342</u>	Statistical Data Analysis II		3
Select one course from the following:			4
<u>CS 163</u>	Java (CS1) No Prior Programming		
<u>CS 164</u>	Java (CS1) Prior Programming		
<u>Biological and Physical Sciences</u>		3A	7
<del>Elective</del>		-	<del>3</del>
<b>Total Credits</b>			<del>29</del> <b>30</b>
<b>JUNIOR</b>			
<u>MATH 317</u>	Advanced Calculus of One Variable		<del>3</del> <b>4</b>
<u>MATH 345</u>	Differential Equations		4
<u>STAT 305</u>	Sampling Techniques		3
<u>STAT 420</u>	Probability and Mathematical Statistics I		3

<b><u>STAT 430</u></b>	Probability and Mathematical Statistics II	4A	3
Select one course from the following:			3
<b><u>STAT 400</u></b>	Statistical Computing		
<b><u>STAT 440</u></b>	Bayesian Data Analysis		
<b><u>Arts and Humanities</u></b>		3B	3
<b><u>Social and Behavioral Sciences</u></b>		3C	3
Electives			6
<b>Total Credits</b>			<b><u>31</u><del>32</del></b>

### SENIOR

<b><u>MATH 417</u></b>	Advanced Calculus I		3
Select two courses from the following:			6
<b><u>MATH 430/ECE 430</u></b>	Fourier and Wavelet Analysis with Apps		
<b><u>MATH 450</u></b>	Introduction to Numerical Analysis I		
<b><u>MATH 451</u></b>	Introduction to Numerical Analysis II		
<b><u>MATH 469</u></b>	Linear Algebra II		
<b><u>STAT 421</u></b>	Introduction to Stochastic Processes		3
<b><u>STAT 460</u></b>	Applied Multivariate Analysis		3
<b><u>STAT 472</u></b>	Statistical Consulting	4A,4B,4C	3
Electives			12
<b>Total Credits</b>			<b>30</b>
<b>Program Total Credits:</b>			<b>120</b>



A regular meeting of the University Curriculum Committee was held on May 5, 2017 at 2:00 p.m.

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

**Curriculum Unit:** Shelly Ellerby and Kayleen Allen.

**Guests:** Julia Murphy (Registrar's Office), Linda Selkirk (CSU Online), and Doreen Hyatt (incoming UCC Representative for CVMBS).

**Absent:** Undergraduate Student Representative.

#### Minutes

The Minutes of April 28, 2017 were approved.

#### Consent Agenda

Approved.

<i>New Courses</i>	<i>Effective Term</i>
<b>ANTH 317 Anthropology of Human Rights 3(3-0-0) F, S, SS</b> <b>Prerequisite:</b> ANTH 100 or ANTH 200. <b>Registration Information:</b> Offered as an online course only. <b>Description:</b> Human rights from the perspective of cultural anthropology through its theoretical and practical dimensions. Contemporary human rights debates within the context of cultural plurality in a globalized world. Engages the intersection between global dynamics and community experiences by addressing the human rights dimensions of refugees and migration, indigenous communities, women and children, health, religious practices, among others. <b>Grade Mode:</b> Traditional	Spring 2018
<b>CS 445 Introduction to Machine Learning 4(3-2-0) S</b> <b>Prerequisite:</b> CS 320 with a C or better. <b>Registration Information:</b> Must register for lecture and laboratory. Sophomore standing. Sections may be offered: Online. Credit allowed for only one of the following: CS 445, CS 480A3, or DSCI 445. <b>Description:</b> Fundamental concepts and methods of computational data analysis, including pattern classification, prediction, visualization, and recent topics in deep learning. <b>Grade Mode:</b> Traditional.	Spring 2018
<b>E 310 Researching and Writing Literary Criticism 3(3-0-0) F</b> <b>Prerequisite:</b> 3 credits of E 100-499 or CO 100-499. <b>Registration Information:</b> None. <b>Description:</b> Discipline-specific conventions of literary criticism and composing essays framed for literary scholars. Preparation for sharing research with public audiences, outside the classroom, in undergraduate research conferences and appropriate publication venues. <b>Grade Mode:</b> Traditional	Spring 2018



<i>Major Changes to Courses</i>	<i>Effective Term</i>
<b>ATS 699C Thesis: <u>Tropical Meteorology</u> <del>Chemistry-Climate Interactions</del></b> <b>Var. [1-18] F, S, SS</b> <b>Prerequisite:</b> None. <b>Restriction:</b> Must be a: Graduate, Professional. <b>Registration Information:</b> None. <b>Description:</b> None. <b>Grade Mode:</b> <del>Instructor Option</del> <u>S/U Sat/Unsat Only</u>	Spring 2018

<p><b>ATS 799C Dissertation: <a href="#">Tropical Meteorology</a> <del>Chemistry-Climate Interactions</del></b> Spring 2018  <b>Var. [1-18] F, S, SS</b>  <b>Prerequisite:</b> None.  <b>Restriction:</b> Must be a: Graduate, Professional.  <b>Registration Information:</b> None.  <b>Description:</b> None.  <b>Grade Mode:</b> Instructor Option</p>
<p><b>ETST 332 Contemporary Chicana Issues 3(3-0-0) S</b> Spring 2018  <b>Prerequisite:</b> None.  <b>Registration Information:</b> <a href="#">Sections may be offered: Online.</a>  <b>Description:</b> Current Chicana issues including conquest, immigration, urbanization, health in context of societal trends.  <b>Grade Mode:</b> Traditional</p>
<p><b>MATH 101 Math in the Social Sciences 3(2-2-0) F, S, SS</b> Spring 2018  <b>Prerequisite:</b> None.  <b>Registration Information:</b> Must register for lecture and laboratory. Mathematics Placement Examination or Mathematics Challenge Exam required. Sections may be offered: Online.  <b>Description:</b> Voting theory, power indices, fair division, apportionment, circuits and trees, list processing, descriptive statistics, probability.  <b>Grade Mode:</b> Traditional  <a href="#">[Sample syllabus and CDHE GTP form reviewed/approved to comply with the revised CDHE GT Pathways content criteria and competencies.]</a></p>
<p><b>MATH 117 College Algebra in Context I 1(1-0-0) F, S, SS</b> Spring 2018  <b>Prerequisite:</b> None.  <b>Registration Information:</b> Mathematics Placement Examination or Mathematics Challenge Exam required. Sections may be offered: Online.  <b>Description:</b> Functions as mathematical models. Linear, quadratic, and polynomial functions considered symbolically, graphically, numerically, and contextually.  <b>Grade Mode:</b> Instructor Option  <a href="#">[Sample syllabus and CDHE GTP form reviewed/approved to comply with the revised CDHE GT Pathways content criteria and competencies.]</a></p>
<p><b>MATH 118 College Algebra in Context II 1(1-0-0) F, S, SS</b> Spring 2018  <b>Prerequisite:</b> MATH 117, may be taken concurrently.  <b>Registration Information:</b> MATH 117 or Mathematics Placement Examination or Mathematics Challenge Examination required. Sections may be offered: Online.  <b>Description:</b> Reciprocals of linear functions, rational functions, and power functions considered symbolically, graphically, numerically, and contextually.  <b>Grade Mode:</b> Instructor Option  <a href="#">[Sample syllabus and CDHE GTP form reviewed/approved to comply with the revised CDHE GT Pathways content criteria and competencies.]</a></p>
<p><b>MATH 124 Logarithmic and Exponential Functions 1(1-0-0) F, S, SS</b> Spring 2018  <b>Prerequisite:</b> MATH 118, may be taken concurrently.  <b>Registration Information:</b> Required: MATH 118 or Mathematics Placement Examination or Mathematics Challenge Examination. Sections may be offered: Online.  <b>Description:</b> Definition and graphs of exponential and logarithmic functions, properties of logarithmic functions, exponential and logarithmic equations, applications.  <b>Grade Mode:</b> Instructor Option  <a href="#">[Sample syllabus and CDHE GTP form reviewed/approved to comply with the revised CDHE GT Pathways content criteria and competencies.]</a></p>



<b>MATH 125 Numerical Trigonometry 1(1-0-0) F, S, SS</b>	Spring 2018
<p><b>Prerequisite:</b> MATH 118, may be taken concurrently.  <b>Registration Information:</b> MATH 118 or Mathematics Placement Examination or Mathematics Challenge Examination required. Sections may be offered: Online.  <b>Description:</b> Definition and graphs of trigonometric functions, laws of sines and cosines, solutions of right and oblique triangles, applications.  <b>Grade Mode:</b> Instructor Option  <a href="#">[Sample syllabus and CDHE GTP form reviewed/approved to comply with the revised CDHE GT Pathways content criteria and competencies.]</a></p>	
<b>MATH 126 Analytic Trigonometry 1(1-0-0) F, S, SS</b>	Spring 2018
<p><b>Prerequisite:</b> MATH 125, may be taken concurrently.  <b>Registration Information:</b> MATH 125 or Mathematics Placement Examination or Mathematics Challenge Examination required. Sections may be offered: Online.  <b>Description:</b> Inverse trigonometric functions, trigonometric identities, solving trigonometric equations.  <b>Grade Mode:</b> Instructor Option  <a href="#">[Sample syllabus and CDHE GTP form reviewed/approved to comply with the revised CDHE GT Pathways content criteria and competencies.]</a></p>	
<b>MATH 141 Calculus in Management Sciences 3(3-0-0) F, S, SS</b>	Spring 2018
<p><b>Prerequisite:</b> MATH 118.  <b>Registration Information:</b> Sections may be offered: Online. Credit allowed for only one of the following courses: MATH 141, MATH 155, <a href="#">MATH 159</a>, or MATH 160  <b>Description:</b> Analytic geometry, limits, equilibrium of supply and demand, differentiation, integration, applications of the derivative, integral.  <b>Grade Mode:</b> Traditional  <a href="#">[Sample syllabus and CDHE GTP form reviewed/approved to comply with the revised CDHE GT Pathways content criteria and competencies.]</a></p>	
<b>MATH 155 Calculus for Biological Scientists I 4(4-0-0) F, S, SS</b>	Spring 2018
<p><b>Prerequisite:</b> (MATH 124) and (MATH 125)  <b>Registration Information:</b> Credit allowed for only one of the following courses: MATH 141, MATH 155, <a href="#">MATH 159</a>, or MATH 160. Programmable graphing calculator required.  <b>Description:</b> Limits, continuity, differentiation, and integration of elementary functions with applications in the biosciences.  <b>Grade Mode:</b> Traditional  <a href="#">[Sample syllabus and CDHE GTP form reviewed/approved to comply with the revised CDHE GT Pathways content criteria and competencies.]</a></p>	
<b>MATH 157 One Year Calculus IA 3(3-0-0) F</b>	Spring 2018
<p><b>Prerequisite:</b> (MATH 124, may be taken concurrently) and (MATH 126)  <b>Registration Information:</b> None.  <b>Description:</b> Algebra and trigonometry, study skills for calculus. Limits, continuity, differentiation of elementary functions with applications.  <b>Grade Mode:</b> Traditional  <a href="#">[Sample syllabus and CDHE GTP form reviewed/approved to comply with the revised CDHE GT Pathways content criteria and competencies.]</a></p>	
<b>MATH 160 Calculus for Physical Scientists I 4(3-2-0) F, S, SS</b>	Spring 2018
<p><b>Prerequisite:</b> MATH 124 with an B or better; MATH 126 with an B or better.  <b>Registration Information:</b> Must register for lecture and laboratory. Written consent of department chair. Credit allowed for only one of the following courses: MAT 141, MATH 155, MATH 159 OR MATH 160. Sections may be offered: Online.  <b>Description:</b> Limits, continuity, differentiation, and integration of elementary functions with applications; conic sections.  <b>Grade Mode:</b> Traditional  <a href="#">[Sample syllabus and CDHE GTP form reviewed/approved to comply with the revised CDHE GT Pathways content criteria and competencies.]</a></p>	

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**MATH 161 Calculus for Physical Scientists II 4(3-2-0) F, S, SS** Spring 2018

**Prerequisite:** (MATH 124) and (MATH 159 or MATH 160)

**Registration Information:** Must register for lecture and laboratory. Sections may be offered: Online.

**Description:** Transcendental functions, integration techniques, polar coordinates, sequences and series, with mathematical software.

**Grade Mode:** Traditional

[\[Sample syllabus and CDHE GTP form reviewed/approved to comply with the revised CDHE GT Pathways content criteria and competencies.\]](#)

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**PSY 311A Basic Counseling Skills Laboratory 2(0-4-0) F, S, SS** Fall 2017/Spring 2018

**Prerequisite:** [PSY 310](#) or concurrent ~~PSY 100 and PSY 310, may be taken concurrently~~ (since registration already exists for Fall 2017, the prerequisite update should be effective Spring 2018)

**Registration Information:** Credit not allowed for both PSY 311A and PSY 311B.

**Description:** Application of psychologically-based interpersonal communication skills in drug addiction treatment, for students seeking CACI certification.

**Grade Mode:** Traditional

[Effective Fall 2017, approved as new [AUCC 4C: Capstone Experience](#) for the following:  
[Major in Psychology, Addictions Counseling Concentration](#)]



### Major Changes to Existing Programs

Warner College of Natural Resources  
Department of Geosciences  
Major in Geology, Geophysics Concentration

Effective Fall 2017

Effective Fall 2017 ~~2015~~

FRESHMAN		AUCC	CREDITS
<a href="#">CHEM 111</a>	General Chemistry I (GT-SC2)	3A	4
<a href="#">CHEM 112</a>	General Chemistry Lab I (GT-SC1)	3A	1
<a href="#">CHEM 113</a>	<a href="#">General Chemistry II</a>	-	<u>3</u>
<a href="#">CHEM 114</a>	<a href="#">General Chemistry Lab II</a>	-	<u>1</u>
<a href="#">CO 150</a>	College Composition (GT-CO2)	1A	3
<a href="#">GEOL 150</a> <sup>1</sup>	Physical Geology for Scientists and Engineers	3A	4
<a href="#">GEOL 154</a>	Historical and Analytical Geology		4
<a href="#">MATH 160</a>	Calculus for Physical Scientists I (GT-MA1)	1B	4
<a href="#">Arts and Humanities</a>		3B	3
<del><a href="#">Global and Cultural Awareness</a></del>		<del>3E</del>	<del>3</del>
<del>Elective</del>		-	<del>3</del>
<a href="#">Social and Behavioral Sciences</a>		<u>3C</u>	<u>3</u>
<b>Total Credits</b>			<b><u>30</u> <del>29</del></b>

<b>SOPHOMORE</b>			
<u>CHEM 113</u>	General Chemistry II	-	3
<u>CHEM 114</u>	General Chemistry Lab II	-	1
<u>GEOL 232</u>	Mineralogy		3
<u>GEOL 250</u>	The Solid Earth		3
<u>GEOL 364</u>	Igneous and Metamorphic Petrology	4B	4
Select one from the following:		-	3
<u>CO 300</u>	Writing Arguments (GT-CO3)	2	-
<u>CO 301B</u>	Writing in the Disciplines: Sciences (GT-CO3)	2	-
<u>JTC 300</u>	Professional and Technical Communication (GT-CO3)	2	-
<u>MATH 151</u>	Mathematical Algorithms in Matlab I	-	1
<u>MATH 161</u>	Calculus for Physical Scientists II (GT-MA1)	1B	4
<u>MATH 261</u>	Calculus for Physical Scientists III		4
<u>PH 141</u>	Physics for Scientists and Engineers I (GT-SC1)	3A	5
<u>Social and Behavioral Sciences</u>		3C	3
<u>Historical Perspectives</u>		3D	3
<b>Total Credits</b>			<u>27</u> <b>33</b>
<b>JUNIOR</b>			
<u>CS 155</u>	Introduction to Unix	-	1
<u>CS 156</u>	Introduction to C Programming I	-	1
<u>GEOL 344</u>	Stratigraphy and Sedimentology	4A	4
<u>GEOL 372</u>	Structural Geology	4B	4
<u>GEOL 376</u>	Geologic Field Methods	4A,4C	3
<u>MATH 340</u>	Introduction to Ordinary Differential Equations		4
<u>PH 142</u>	Physics for Scientists and Engineers II (GT-SC1)	3A	5
Select one from the following:		-	1
<u>CS 157</u>	Introduction to C Programming II	-	-
<u>CS 158/MATH 158</u>	Mathematical Algorithms in C	-	-
<u>MATH 151</u>	Mathematical Algorithms in Matlab I	-	-
Select one course from the following:			3
<u>MATH 369</u>	Linear Algebra I		
<u>STAT 301</u>	Introduction to Statistical Methods		
<u>STAT 315</u>	Statistics for Engineers and Scientists		
Select one course from the following:		-	3
<u>CO 300</u>	Writing Arguments (GT-CO3)	2	-
<u>CO 301B</u>	Writing in the Disciplines: Sciences (GT-CO3)	2	-

<u>JTC 300</u>	<u>Professional and Technical Communication (GT-CO3)</u>	<u>2</u>	<u>-</u>
<u>Arts and Humanities</u>		3B	3
<del>Historical Perspectives</del>		<del>3D</del>	<del>3</del>
<b>Total Credits</b>			<b><u>29</u> <del>32</del></b>
<b>SUMMER</b>			
<u>GEOL 436</u>	Geology Summer Field Course	4C	6
<b>Total Credits</b>			<b>6</b>
<b>SENIOR</b>			
<u>Upper-Division</u> Geology Electives <sup>2</sup>		-	<u>3-5</u> <del>6</del>
<del>Select 9 credits from the</del> Directed Technical Electives <u>list (select a minimum of 12 credits - see list below):</u>		-	<u>12-14</u> <del>9</del>
<del><u>GEOL 442</u></del>	<del>Applied Geophysics</del>	-	-
<del><u>GEOL 570</u></del>	<del>Plate Tectonics</del>	-	-
<del><u>GEOL 578</u></del>	<del>Global Seismology</del>	-	-
<del><u>MATH 332</u></del>	<del>Partial Differential Equations</del>	-	-
<del><u>MATH 450</u></del>	<del>Introduction to Numerical Analysis I</del>	-	-
<del><u>MATH 530</u></del>	<del>Mathematics for Scientists and Engineers</del>	-	-
<del><u>PH 341</u></del>	<del>Mechanics</del>	-	-
<del><u>PH 351</u></del>	<del>Electricity and Magnetism</del>	-	-
<del><u>PH 353</u></del>	<del>Optics and Waves</del>	-	-
<u>Global and Cultural Awareness</u>		<u>3E</u>	<u>3</u>
Electives <sup>3</sup>			<u>8</u> <del>5</del>
<b>Total Credits</b>			<b><u>28</u> <del>20</del></b>
<b>Program Total Credits:</b>			<b>120</b>

### Directed Technical Electives List (Select a minimum of 12 credits)

Code	Title	Credits
<u>GEOL 442</u>	Applied Geophysics	4
<u>GEOL 570</u>	Plate Tectonics	3
<u>GEOL 574</u>	<u>Geodynamics</u>	<u>3</u>
<u>GEOL 578</u>	Global Seismology	4
<u>GEOL 579</u>	<u>Solid Earth Inverse Methods and Practices</u>	<u>3</u>
<u>MATH 317</u>	<u>Advanced Calculus of One Variable</u>	<u>3</u>
<u>MATH 332</u>	Partial Differential Equations	3
<u>MATH 417</u>	<u>Advanced Calculus I</u>	<u>3</u>
<u>MATH 418</u>	<u>Advanced Calculus II</u>	<u>3</u>

Code	Title	Credits
<a href="#">MATH 419</a>	<a href="#">Introduction to Complex Variables</a>	<a href="#">3</a>
<a href="#">MATH 450</a>	Introduction to Numerical Analysis I	3
<a href="#">MATH 469</a>	<a href="#">Linear Algebra II</a>	<a href="#">3</a>
<a href="#">MATH 530</a>	Mathematics for Scientists and Engineers	4
<a href="#">PH 245</a>	<a href="#">Introduction to Electronics</a>	<a href="#">3</a>
<a href="#">PH 314</a>	<a href="#">Introduction to Modern Physics</a>	<a href="#">4</a>
<a href="#">PH 341</a>	Mechanics	4
<a href="#">PH 351</a>	Electricity and Magnetism	4
<a href="#">PH 353</a>	Optics and Waves	4
<a href="#">PH 361</a>	<a href="#">Physical Thermodynamics</a>	<a href="#">3</a>
<a href="#">One option may be selected from the following if not used to satisfy Junior year program requirements:</a>		<a href="#">3</a>
<a href="#">MATH 369</a>	<a href="#">Linear Algebra I</a>	
<a href="#">STAT 301</a> or <a href="#">STAT 315</a>	<a href="#">Introduction to Statistical Methods</a> <a href="#">Statistics for Engineers and Scientists</a>	

- [GEOL 120](#), [GEOL 122](#) or [GEOL 124](#) in combination with [GEOL 121](#) may be substituted for [GEOL 150](#).
- Select 3 to 5 credits in 300- to 500-level GEOL courses excluding [GEOL 384](#), [GEOL 401](#), [GEOL 492](#), [GEOL 494A-I](#). ~~Select two upper-division geology courses of three or more credits each.~~
- Select enough elective credits to bring the program total to a minimum of 120 credits, of which at least 42 must be upper-division (300- to 400-level).



Warner College of Natural Resources  
 Department of Fish/Wildlife/Conservation Biology  
 Master of Fish, Wildlife, and Conservation Biology, Plan C (M.F.W.C.B.)

Effective Fall 2017

Effective [Fall 2017](#) ~~Fall 2016~~

#### Core Courses

<a href="#">Select 21 credits from the following:</a>		<a href="#">21</a>
<a href="#">FW 551</a>	Design of Fish and Wildlife Studies	
<a href="#">FW 552</a>	Applied Sampling for Wildlife/Fish Studies	
<a href="#">FW 555</a>	Conservation Biology	
<a href="#">FW 562</a>	<a href="#">Fish and Wildlife Population Dynamics</a>	
<a href="#">FW 564</a>	Science of Managing Human-Wildlife Conflicts	
<a href="#">FW 577</a>	<a href="#">Management of Wildlife Habitat</a>	
<a href="#">FW 578</a>	Conservation Decision Analysis	
<a href="#">NR 515</a>	Natural Resources Policy and Biodiversity	

<b>Core Total Credits</b>		<b>21</b>
Select at least 9 additional credits from the following:		9
<u>Core course not taken above</u>		
<u>FW 544</u>	<u>Ecotoxicology</u>	
<del>FW 556</del>	<del>Leopold's Ethic for Wildlife and Land</del>	
<u>FW 558</u>	<u>Conservation Genetics of Wild Populations</u>	
<u>FW 563</u>	<u>Methods of Fish &amp; Wildlife Population Studies</u>	
<u>FW 576</u>	Wildlife Policy, Administration, and Law	
<u>FW 692</u>	Seminar: Fish, Wildlife, and Conservation Biology <sup>+</sup> <i>(moved from required list above to this list)</i>	
<u>FW 696</u>	Group Study: Fish, Wildlife, Conservation Biology <sup>+</sup> <i>(moved from required list above to this list)</i>	
<u>NR 400</u>	<u>Public Relations in Natural Resources</u>	
<del>NR 501</del>	<del>Leadership and Public Communications</del>	
<del>STAT 511</del>	<del>Course STAT 511 Not Found</del>	
<u>STAT 512</u>	<u>Design and Data Analysis for Researchers II</u>	
<u>STAT 547</u>	<u>Statistics for Environmental Monitoring</u>	
<b>Program Total Credits:</b>		<b>30</b>

A minimum of 30 credits are required to complete this program.

<sup>+</sup> ~~Complete 3 credits total of FW 692 and/or FW 696.~~



College of Natural Sciences  
Department of Psychology  
Major in Psychology, Addictions Counseling Concentration

Effective Fall 2017

Effective Fall 2017 ~~Spring 2017~~

Students must have a C or better in each of the following courses: PSY 100, PSY 192, PSY 210, PSY 250, PSY 252, ~~PSY 311A~~, ~~PSY 350~~, PSY 401; and the three lecture-lab pairs in psychology.

Maximum of 12 credits allowed toward graduation for any combination of PSY 295, PSY 296, PSY 384, PSY 484, PSY 486, PSY 487, PSY 488, PSY 495A-F, PSY 496A-F, PSY498A-F, PSY 499A-F.

<b>FRESHMAN</b>			
		<b>AUCC</b>	<b>CREDITS</b>
<u>CO 150</u>	College Composition (GT-CO2)	1A	3
<u>CS 110</u>	Personal Computing		4
<u>LIFE 102</u>	Attributes of Living Systems (GT-SC1)	3A	4

<u>MATH 117</u>	College Algebra in Context I (GT-MA1)	1B	1
<u>MATH 118</u>	College Algebra in Context II (GT-MA1)	1B	1
<u>MATH 124</u>	Logarithmic and Exponential Functions (GT-MA1)	1B	1
<u>PSY 100</u>	General Psychology (GT-SS3)	3C	3
<u>PSY 192</u>	Psychology First-Year Seminar		1
<del>PSY 252</del>	<del>Mind, Brain, and Behavior</del>	-	<del>3</del>
<u>PSY 210</u>	<u>Psychology of the Individual in Context</u>	-	<u>3</u>
Select one course from the following:			3
<u>PHIL 100</u>	Appreciation of Philosophy (GT-AH3)	3B	
<u>PHIL 110</u>	Logic and Critical Thinking (GT-AH3)	3B	
<u>PHIL 120</u>	History and Philosophy of Scientific Thought (GT-AH3)	3B	
<u>PHIL 205</u>	Introduction to Ethics		
<u>PHIL 210</u>	Introduction to Formal Logic		
<u>Historical Perspectives</u>		3D	3
<u>Social and Behavioral Sciences</u> <sup>1</sup>		3C	3
<b>Total Credits</b>			<b>30</b>
<b>SOPHOMORE</b>			
<u>CHEM 107</u>	Fundamentals of Chemistry (GT-SC2)	3A	4
<u>CHEM 108</u>	Fundamentals of Chemistry Laboratory (GT-SC1)	3A	1
<del>PSY 210</del>	<del>Psychology of the Individual in Context</del>	-	<del>3</del>
<u>PSY 250</u>	Research Design and Analysis I		<u>3</u> <del>4</del>
<u>PSY 252</u>	<u>Mind, Brain, and Behavior</u>	-	<u>3</u>
<u>PSY 320</u>	Abnormal Psychology		3
<u>SPCM 200</u>	Public Speaking		3
Select one course from the following:			3
<u>STAT 301</u>	<u>Introduction to Statistical Methods</u>		
<u>STAT 307</u>	<u>Introduction to Biostatistics</u>		
<u>STAT 311</u>	<u>Statistics for Behavioral Sciences I</u>		
<u>STAT 315</u>	<u>Statistics for Engineers and Scientists</u>		
<u>Arts and Humanities</u>		3B	6
<u>Global and Cultural Awareness</u>		3E	3
Electives			1
<b>Total Credits</b>			<b><u>30</u> <del>28</del></b>
<b>JUNIOR</b>			
<u>CO 300</u>	Writing Arguments (GT-CO3)	2	3
<u>PSY 310</u>	Basic Counseling Skills		3

<u>PSY 311A</u>	Basic Counseling Skills Laboratory: CACI	4C	2
<u>PSY 350</u>	<u>Research Design and Analysis II</u>	-	3
<u>PSY 360</u>	Psychology of Drug Addiction Treatment		3
<u>PSY 362</u>	Professional Issues in Addiction Treatment		3
<u>PSY 364</u>	Infectious Diseases and Substance Use		3
<u>PSY 454</u> <sup>2</sup>	Biological Psychology	4B	3
<u>PSY 455</u> <sup>2</sup>	Biological Psychology Laboratory	4A	2
<del>STAT 311</del>	<del>Statistics for Behavioral Sciences I</del>	-	<del>3</del>
<del>STAT 312</del>	<del>Statistics for Behavioral Sciences II</del>	-	<del>3</del>
Electives			5-4
<b>Total Credits</b>			<b>30-32</b>

**SENIOR**

<u>BMS 300</u>	Principles of Human Physiology		4
<u>PSY 488</u>	Field Placement	4C	6
<del>Electives</del>		-	<del>1-2</del>
<u>Select one course from the following:</u>		-	3
<u>CHEM 320</u>	Chemistry of Addictions		
<del>Select two groups from the following:</del>		-	<del>9-10</del>
<u>PSY 410</u>	Psychobiology of Addictions		
<u>Select two groups from the following:</u> <sup>2</sup>		-	9-10
Group A:			
<u>PSY 315</u>	Social Psychology	4B	
<u>PSY 317</u>	Social Psychology Laboratory	4A	
Group B:			
<u>PSY 370</u>	Psychological Measurement and Testing	4B	
<u>PSY 371</u>	Psychological Measurement and Testing Lab	4A	
Group C:			
<u>PSY 452</u>	Cognitive Psychology	4B	
<u>PSY 453</u>	Cognitive Psychology Laboratory	4A	
Group D:			
<u>PSY 458</u>	Cognitive Neuroscience	4B	
<u>PSY 459</u>	Cognitive Neuroscience Laboratory	4A	
<del>PSY 401</del>	<del>History and Systems of Psychology</del>	4C	<del>3</del>
<u>Electives</u> <sup>3</sup>		-	7-8-1-2
<b>Total Credits</b>			<b>30</b>

**Program Total Credits:****120**



- <sup>1</sup> Select from the list of courses in category 3C of the AUCC except **HONR 492** or any PSY course.
- <sup>2</sup> Students should select a total of three lecture/lab pairs of courses over the junior and senior years. Two pairs are necessary to satisfy AUCC Cat 4A and 4B requirements.
- <sup>3</sup> Select enough elective credits to bring the program to a minimum of 120 credits, of which at least 42 must be upper-division (300- to 400-level).



### ***Program Deactivations***

College of Health and Human Sciences  
 Department of Health and Exercise Science  
 Master of Science in Health and Exercise Science, Exercise Science and Nutrition Specialization, Plan A

Effective Fall 2017

### **Effective Spring 2009**

<b>Code</b>	<b>Title</b>	<b>Credits</b>
<b><u>FSHN 550</u></b>	Advanced Nutritional Science I	3
<b><u>FSHN 551</u></b>	Advanced Nutritional Science II	3
<b><u>FSHN 630/HES 630</u></b>	Integrative Exercise and Nutrition Metabolism	3
<b><u>HES 520</u></b>	Advanced Exercise Testing and Prescription	3
<b><u>HES 556</u></b>	Wellness and Health Promotion Concepts	3
<b><u>HES 600</u></b>	Research Design in Health/Exercise Science	3
<b><u>HES 610</u></b>	Exercise Bioenergetics	3
<b><u>HES 645</u></b>	Epidemiology of Health and Physical Activity	3
Select one from the following:		3
<b><u>HES 686A</u></b>	Practicum: Adult Fitness Human Performance Clinical/Research Laboratory	
<b><u>HES 686B</u></b>	Practicum: Wellness Management	
<b><u>HES 686C</u></b>	Practicum: Youth Fitness and Skill Development	
<b><u>HES 686D</u></b>	Practicum: Health and Exercise Science Research	
<b><u>HES 686E</u></b>	Practicum: Applied Health and Exercise Science	
<b><u>HES 692/HES 693</u></b>	Seminar	<b>3</b>
Elective <sup>+</sup>		2
<b><u>HES 699</u></b>	Thesis	6
<b>Program Total Credits:</b>		<b>38</b>

A minimum of 38 credits are required to complete this program.

<sup>+</sup> Nutrition regular course elective, 500 level or above (minimum 2 credits).



## Effective Spring 2009

Code	Title	Credits
<u>BMS 500</u> or <u>BMS 501</u>	Mammalian Physiology I Mammalian Physiology II	4
<u>FSHN 550</u>	Advanced Nutritional Science I	3
<u>FSHN 551</u>	Advanced Nutritional Science II	3
<u>FSHN 630/HES 630</u>	Integrative Exercise and Nutrition Metabolism	3
<u>FSHN 692</u>	Seminar	1
Select one course from the following:		2
<u>FSHN 650A</u>	Recent Developments in Human Nutrition: Protein, Vitamins, and Minerals	
<u>FSHN 650B</u>	Recent Developments in Human Nutrition: Carbohydrates, Lipids, and Energy	
<u>FSHN 650C</u>	Recent Developments in Human Nutrition: Genomic, Proteomics, and Metabolomics	
<u>HES 610</u>	Exercise Bioenergetics	3
<u>HES 645</u>	Epidemiology of Health and Physical Activity	3
Select one course from the following:		3-4
<u>ERHS 542</u>	Biostatistical Methods for Qualitative Data	
<u>ERHS 544/STAT 544</u>	Biostatistical Methods for Quantitative Data	
<u>STAT 511</u>	Course STAT 511 Not Found	
Food Science and Human Nutrition Elective <sup>1</sup>		2-3
Health and Exercise Science Elective <sup>2</sup>		3
<u>FSHN 699B</u>	Thesis: Nutrition	Var.
<b>Program Total Credits:</b>		<b>40-41</b>

A minimum of 40 credits are required to complete this program.

<sup>1</sup> Food Science and Human Nutrition elective, 500-level or above.

<sup>2</sup> Health and Exercise Science regular course elective, 500-level or above (minimum 3 credits).



College of Health and Human Sciences  
Department of Food Science & Human Nutrition

Effective Fall 2017

## Master of Science in Food Science and Nutrition, Nutrition and Exercise Science Specialization, Plan B

## Effective Spring 2009

Code	Title	Credits
<u>BMS 500</u> or <u>BMS 501</u>	Mammalian Physiology I Mammalian Physiology II	4
<u>FSHN 550</u>	Advanced Nutritional Science I	3
<u>FSHN 551</u>	Advanced Nutritional Science II	3
<u>FSHN 630/HES 630</u>	Integrative Exercise and Nutrition Metabolism	3
<u>FSHN 692</u>	Seminar	1
Select one course from the following:		2
<u>FSHN 650A</u>	Recent Developments in Human Nutrition: Protein, Vitamins, and Minerals	
<u>FSHN 650B</u>	Recent Developments in Human Nutrition: Carbohydrates, Lipids, and Energy	
<u>FSHN 650C</u>	Recent Developments in Human Nutrition: Genomic, Proteomics, and Metabolomics	
<u>HES 610</u>	Exercise Bioenergetics	3
<u>HES 645</u>	Epidemiology of Health and Physical Activity	3
Select one course from the following:		3-4
<u>ERHS 542</u>	Biostatistical Methods for Qualitative Data	
<u>ERHS 544/STAT 544</u>	Biostatistical Methods for Quantitative Data	
<u>STAT 511</u>	Course STAT 511 Not Found	
Food Science and Human Nutrition Electives		5
Health and Exercise Science regular-course elective		3
<u>FSHN 698B</u>	Research: Nutrition	Var.
<b>Program Total Credits:</b>		<b>37-38</b>

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



### Other Business

- A request to offer the experimental course CM 580A1 for a third offering was approved for Fall 2017. See memo after the Consent Agenda.
- The UCC Curriculum Deadlines for Spring 2018-Fall 2019 were approved – see document after the Consent Agenda.
- Carole Makela (HHS) and Mike Hogan (CLA) were elected as UCC Co-Chairs for 2017-18.
- Dr. Paul Thayer presented data on how curriculum can be/is a contributor to student success.
- Reviewed draft of the 2016-17 UCC Annual Report (to be submitted to Faculty Council).



**Updates/Corrections to Previous Minutes**

1. ANTH 319 has been dual-listed with ETST 319 and was deactivated effective Fall 2016. In the Major in Ethnic Studies, ANTH 319 was removed from the Sophomore year effective Fall 2017. Due to the course deactivation, ANTH 319 should also be removed from the Junior year Global Ethnic Studies elective list.

**Junior year:**

Global Ethnic Studies (select from the following)

<del>ANTH 319</del>	<del>Latin American Peasantries</del>
<u>ETST 205</u>	Ethnicity and the Media (GT-SS3)
<u>ETST 256</u>	Border Crossings: People/Politics/Culture (GT-SS3)
<u>ETST 300</u>	Queer Studies and Women of Color
<u>ETST 365</u>	Global Environmental Justice Movements
<u>ETST 370</u>	Caribbean Identities
<u>ETST 371</u>	The Modern Caribbean

2. ART 200 was approved as a new course on the 2/24/17 UCC minutes with a Spring 2018 effective term. The department originally requested a Fall 2017 effective term. It has been deemed appropriate to change the effective term from Spring 2018 to Fall 2017 per the department's request.

Course	Original Effective Date	Correct Effective Date
ART 200	<del>Spring 2018</del>	Fall 2017



The meeting adjourned at 4:35 p.m.

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



University Curriculum Committee  
May 5, 2017  
**CONSENT AGENDA**

<b>Experimental Courses – 1<sup>st</sup> Offering</b>			
	<b>Course Title</b>		<b>Effective Term</b>
<a href="#">ANEQ 781A1</a>	Seminar-Microbiome Analysis		Fall 2017
<a href="#">ENGR 581A2</a>	Coupled Electromechanical Systems		Fall 2017
<a href="#">F 581A3</a>	Multiple Resources Silviculture		Fall 2017
<a href="#">JTC 480A3</a>	Creative Media Entrepreneurship		Fall 2017
<a href="#">GEOL 581A7</a>	Reservoir Characterization and Modeling		Fall 2017
<a href="#">MECH 581A8</a>	Cardiovascular Biomechanics		Fall 2017
<a href="#">POLS 580A2</a>	The Politics of Administrative Law		Fall 2017
<b>Minor Changes to Courses</b>			
	<b>Course Title</b>	<b>Requested Change</b>	<b>Effective Term</b>
<a href="#">ECE 652</a>	Estimation and Filtering Theory	<b>Offering Year:</b> <del>Odd</del> <b>Every</b> <b>Prerequisite:</b> <del>(ECE 411 or ECE 412) and (ECE 514 or STAT 525)</del>	Spring 2018
<a href="#">ECE 653</a>	Detection Theory	<b>Course Number:</b> <del>653</del> <b>654</b> <b>Offering Year:</b> <del>Odd</del> <b>Every</b> <b>Prerequisite:</b> <del>ECE 652, ECE 512 and ECE 514.</del>	Spring 2018
<a href="#">JTC 310</a>	Copy Editing	<b>Prerequisite:</b> <del>JTC 100</del> and JTC 210.	Spring 2018
<a href="#">JTC 347</a>	Audio Production and Editing	<b>Prerequisite:</b> <del>None</del> <b>JTC 340</b>	Spring 2018
<a href="#">JTC 421</a>	Media, Business, and Economics	<b>Prerequisite:</b> <del>None</del> <b>JTC 326, may be taken concurrently</b> <b>Registration Information:</b> <b>Junior standing.</b>	Spring 2018
<a href="#">PSY 340</a>	Organizational Psychology	<b>Prerequisite:</b> <del>(PSY 250) and (STAT 301 or STAT 311)</del>  <b>Registration Information:</b> <del>Must have concurrent registration in PSY 341.</del> Sections may be offered: Online.	Spring 2018
<a href="#">PSY 360</a>	Psychology of Drug Addiction Treatment	<b>Prerequisite:</b> <del>PSY 100, PSY 320</del>	Spring 2018
<a href="#">PSY 370</a>	Psychological Measurement and Testing	<b>Prerequisite:</b> <del>PSY 250, (PSY 100) and (STAT 301 or STAT 311)</del>  <b>Registration Information:</b> <del>Must have concurrent registration in PSY 371.</del> Sections may be offered: Online.	Spring 2018
<a href="#">PSY 440</a>	Industrial Psychology	<b>Prerequisite:</b> <del>PSY 250; concurrent registration in PSY 441; STAT 301 or STAT 311.</del>  <b>Registration Information:</b> <del>Must have concurrent registration in PSY 441.</del> Sections may be offered: Online.	Spring 2018
<b>Course Drops</b>			
	<b>Course Title</b>	<b>Requested Change</b>	<b>Effective Term</b>
<a href="#">INST 300</a>	Approaches to International Studies	Drop	Summer 2017



## STAT 511A and STAT 511B Changes to Program

Intra-University  
Graduate Degree Program in Ecology  
Master of Science in Ecology, Plan A

Effective Spring 2018

Effective [Spring 2018](#) ~~Fall 2016~~

### ECOLOGY TOOLS

Select 3 credits not taken elsewhere in the program from the following:

3

<a href="#">AREC 535/ECON 535</a>	Applied Econometrics
<a href="#">AREC 635/ECON 635</a>	Econometric Theory I
<a href="#">AREC 735/ECON 735</a>	Econometric Theory II
<a href="#">BZ 577/MIP 577</a>	Computer Analysis in Population Genetics
<a href="#">CIVE 524/WR 524</a>	Modeling Watershed Hydrology
<a href="#">ERHS 544/STAT 544</a>	Biostatistical Methods for Quantitative Data
<a href="#">ESS 565</a>	Niche Models
<a href="#">ESS 575</a>	Models for Ecological Data
<a href="#">FW 551</a>	Design of Fish and Wildlife Studies
<a href="#">FW 552</a>	Applied Sampling for Wildlife/Fish Studies
<a href="#">FW 663</a>	Sampling and Analysis of Vertebrate Populations
<a href="#">FW 673/STAT 673</a>	Hierarchical Modeling in Ecology
<a href="#">GR 503/NR 503</a>	Remote Sensing and Image Analysis
<a href="#">MATH 530</a>	Mathematics for Scientists and Engineers
<a href="#">MATH 540</a>	Dynamical Systems
<a href="#">NR 505</a>	Concepts in GIS
<a href="#">NR 506</a>	GIS Methods for Resource Management
<a href="#">NR 512</a>	Spatial Statistical Modeling-Natural Resources
<a href="#">NR 523/STAT 523</a>	Quantitative Spatial Analysis
<a href="#">NR 554/ANTH 554</a>	Ecological and Social Agent-based Modeling
<a href="#">NR 621</a>	Design of Geographic Information Systems
<a href="#">NRRT 765</a>	Applied Multivariate Analysis
<a href="#">SOCR 522</a>	Micrometeorology
<a href="#">SOCR 620</a>	Modeling Ecosystem Biogeochemistry
<a href="#">SOCR 670</a>	Terrestrial Ecosystems Isotope Ecology
<a href="#">STAT 511</a>	<del>Course STAT 511 Not Found</del>
<a href="#">STAT 511A</a>	<a href="#">Design and Data Analysis for Researchers I: R Software</a>
<a href="#">STAT 511B</a>	<a href="#">Design and Data Analysis for Researchers I: SAS Software</a>
<a href="#">STAT 512</a>	Design and Data Analysis for Researchers II

<u>STAT 520</u>	Introduction to Probability Theory	
<u>STAT 521</u>	Stochastic Processes I	
<u>STAT 530</u>	Mathematical Statistics	
<u>STAT 540</u>	Data Analysis and Regression	
<u>STAT 560</u>	Applied Multivariate Analysis	
<u>STAT 675A</u>	Topics in Statistical Methods: Sampling	
<u>STAT 675B</u>	Topics in Statistical Methods: Design	
<u>STAT 675C</u>	Topics in Statistical Methods: Multivariate and Regression Methods	
<u>STAT 675D</u>	Topics in Statistical Methods: Computer Intensive Methods	
<u>STAT 675F</u>	Topics in Statistical Methods: Robustness and Nonparametric Methods	
<u>WR 674</u>	Data Issues in Hydrology	
<b>ADDITIONAL ELECTIVES, INDEPENDENT STUDY, RESEARCH, AND THESIS</b>		<b>15</b>
<b>Program Total Credits:</b>		<b>30</b>



Intra-University  
Graduate Degree Program in Ecology  
Master of Science in Ecology, Plan B

Effective Spring 2018

Effective Spring 2018 ~~Fall 2016~~

<b>ECOLOGY TOOLS</b>		
<b>Select 3 credits not taken elsewhere in the program from the following:</b>		<b>3</b>
<u>AREC 535</u>	Applied Econometrics	
<u>AREC 635</u>	Econometric Theory I	
<u>AREC 735</u>	Econometric Theory II	
<u>BZ 577/MIP 577</u>	Computer Analysis in Population Genetics	
<u>CIVE 524/WR 524</u>	Modeling Watershed Hydrology	
<u>ESS 565</u>	Niche Models	
<u>ESS 575</u>	Models for Ecological Data	
<u>FW 551</u>	Design of Fish and Wildlife Studies	
<u>FW 552</u>	Applied Sampling for Wildlife/Fish Studies	
<u>FW 663</u>	Sampling and Analysis of Vertebrate Populations	
<u>FW 673/STAT 673</u>	Hierarchical Modeling in Ecology	
<u>GR 503/NR 503</u>	Remote Sensing and Image Analysis	
<u>MATH 530</u>	Mathematics for Scientists and Engineers	
<u>MATH 540</u>	Dynamical Systems	
<u>NR 505</u>	Concepts in GIS	
<u>NR 506</u>	GIS Methods for Resource Management	

<u>NR 512</u>	Spatial Statistical Modeling-Natural Resources	
<u>NR 523/STAT 523</u>	Quantitative Spatial Analysis	
<u>NR 554/ANTH 554</u>	Ecological and Social Agent-based Modeling	
<u>NR 621</u>	Design of Geographic Information Systems	
<u>NRRT 765</u>	Applied Multivariate Analysis	
<u>SOCR 522</u>	Micrometeorology	
<u>SOCR 620</u>	Modeling Ecosystem Biogeochemistry	
<u>SOCR 670</u>	Terrestrial Ecosystems Isotope Ecology	
<u>STAT 511</u>	<u>Course STAT 511 Not Found</u>	
<u>STAT 511A</u>	<u>Design and Data Analysis for Researchers I: R Software</u>	
<u>STAT 511B</u>	<u>Design and Data Analysis for Researchers I: SAS Software</u>	
<u>STAT 512</u>	Design and Data Analysis for Researchers II	
<u>STAT 520</u>	Introduction to Probability Theory	
<u>STAT 521</u>	Stochastic Processes I	
<u>STAT 530</u>	Mathematical Statistics	
<u>STAT 540</u>	Data Analysis and Regression	
<u>STAT 544</u>	Biostatistical Methods for Quantitative Data	
<u>STAT 560</u>	Applied Multivariate Analysis	
<u>STAT 675A</u>	Topics in Statistical Methods: Sampling	
<u>STAT 675B</u>	Topics in Statistical Methods: Design	
<u>STAT 675C</u>	Topics in Statistical Methods: Multivariate and Regression Methods	
<u>STAT 675D</u>	Topics in Statistical Methods: Computer Intensive Methods	
<u>STAT 675F</u>	Topics in Statistical Methods: Robustness and Nonparametric Methods	
<u>WR 674</u>	Data Issues in Hydrology	
<b>ADDITIONAL ELECTIVES, AND INDEPENDENT STUDY</b>		<b>15</b>
<b>Program Total Credits:</b>		<b>30</b>







Cell & Molecular Biology  
Graduate Program

220 Student Services  
1005 Campus Delivery  
Fort Collins, Colorado 80523-1618  
Phone: (970) 491-0241  
E-mail: [cmb@colostate.edu](mailto:cmb@colostate.edu)  
<http://www.cmb.colostate.edu>

May 1, 2017

University Curriculum Committee  
Colorado State University

To the Committee:

We request approval to offer CM 580A1 Protein Basics for Non-Biologists for a third time. This course is a key component of the GAUSSI program (Generating, Analyzing and Understanding Sensory and Sequencing Information). This NSF-funded transdisciplinary training program includes students in disciplines such as computer science and statistics that often lack sufficient background in biochemistry and molecular biology necessary for them to communicate with and understand scientists working in those fields. This course serves to provide them with that knowledge.

Although we submitted a request for a regular course number for this class, we underestimated the time that it would take for its approval by multiple departments and colleges. The proposal has also required revisions and we anticipate its approval in the near future. We apologize for the delay in the proposal's routing to the UCC by the deadline for Fall 2017 courses. It is important for the success of our students and program to be able to offer the course in the fall.

Please contact me if there are any questions regarding this request.

Sincerely,

A handwritten signature in cursive script that reads "Howard L. Liber".

Howard L. Liber  
Professor, Environmental and Radiological Health Sciences  
Director, Cell and Molecular Biology Graduate Program  
[howard.liber@colostate.edu](mailto:howard.liber@colostate.edu)

## DEADLINES

### FOR SUBMITTING COURSE AND PROGRAM PROPOSALS TO UCC

- Login to [ARIESweb](#), and click on the Curriculum Management (CIM)-Courses link or Curriculum Management (CIM)-Programs link to submit the appropriate form. CIM help documents are available on [ARIESweb](#).
- Please allow **several weeks** for proposals to be reviewed by affected departments and the college **prior** to the deadlines below. Address questions to your [University Curriculum Committee \(UCC\) college representative](#).
- Proposals must be approved in CIM by the department and college curriculum committees, all affected departments, the UCC college representative, and the college Dean's office prior to UCC consideration.
- Incomplete submissions will be returned for completion/resubmission and will not have met the submission deadline.

**Completed proposals must be out of the College or SAU workflow in CIM by the dates shown.**

	Effective Spring 2018	Effective Summer 2018	Effective Fall 2018	Effective Spring 2019	Effective Summer 2019	Effective Fall 2019
<b>Courses (all levels)</b>						
Changes/drops to existing courses	9/15/17	10/13/17	1/12/18	9/14/18	10/12/18	1/11/19
New courses	9/29/17	2/23/18	3/2/18	9/28/18	2/22/19	3/1/19
Experimental courses	12/1/17	4/13/18	7/20/18	12/1/18	4/12/19	7/19/19
<b>Undergraduate Programs</b>						
<i>All changes to a program should be submitted at the same time on <b>ONE</b> CIM proposal form once a year</i>						
New Majors (CPP must be attached to CIM proposal and approved by CoSFP by dates shown)*	1/13/17	N/A	9/15/17	1/12/18	N/A	9/14/18
Adding/dropping Concentrations, Minors, Interdisciplinary Minors, or UG Certificates	10/13/17	N/A	1/12/18	10/12/18	N/A	1/11/19
Changes to Existing Programs	N/A	N/A	2/9/18	N/A	N/A	2/8/19
<b>Graduate Programs**</b> (Graduate programs are reviewed by CoSRGE prior to UCC)						
<i>All changes to a program should be submitted at the same time on <b>ONE</b> CIM proposal form once a year</i>						
New Master's and PhDs (CPP must be attached to CIM proposal and approved by CoSFP & CoSRGE by dates shown)*	1/13/17	N/A	9/15/17	1/12/18	N/A	9/14/18
New Graduate Certificates	1/17/17	N/A	9/15/17	1/16/18	N/A	9/14/18
Adding/dropping Specializations or Graduate Interdisciplinary Studies Programs	9/15/17	N/A	1/12/18	9/14/18	N/A	1/11/19
Changes to Existing Programs	N/A	N/A	1/12/18	N/A	N/A	1/11/19

\*See [Routing Paths document](#) on the Provost's Office webpage (New Degree Proposal Process) for developing and submitting the Preliminary Program Proposal (PPP) and Comprehensive Program Proposal (CPP) documents for new programs:  
<http://provost.colostate.edu/faculty-administrative-professionals/>.

New degrees and graduate certificates require approval by the Board of Governors and CCHE. **Colleges and departments are strongly encouraged to submit programs proposals as early in the year as possible, to ensure timely consideration by all entities.**

All actions of the UCC are subject to approval by Faculty Council, either through approval of the UCC minutes on their consent agenda or by special action. Dates approved by University Curriculum Committee 5/5/2017.

To Faculty Council Members: Your critical study of these minutes is requested. If you find errors, please call, send a memorandum, or E-mail immediately to Rita Knoll, ext 1-5693.

NOTE: Final revisions are noted in the following manner: additions underlined; deletions ~~over scored~~.

**MINUTES**  
**Faculty Council Meeting**  
**May 2, 2017– 4:00 p.m. – A101 BSB**

**CALL TO ORDER**

The Faculty Council meeting was called to order at 4:13 p.m.by Mary Stromberger, Chair.

**ANNOUNCEMENTS**

1. Next Faculty Council Meeting – September 5, 2017 – A201 Clark – 4:00 p.m.

Stromberger announced that the next Faculty Council meeting would be held on September 5, 2017 at 4:00 p.m. in A201 Clark.

2. Executive Committee Meeting Minutes located on FC website –  
March 28, 2017; April 11, 2017 and April 18, 2017  
(<http://facultycouncil.colostate.edu/faculty-council-meeting-dates-agendas-minutes/>)
3. Graduate Student Council Faculty Mentor awards – Graduate Student Council.

Nicole Ramo, President of the Graduate Student Council, introduced the faculty who received honorable mentions and awards for graduate student mentoring:

Honorable Mentions

Elizabeth Barnes, Atmospheric Science  
Sue Doe, English  
Jennifer Harman, Psychology

Awards

Matthew Rhodes, Psychology  
Rachel Lucas-Thompson, Human Development and Family Studies  
Tammy Donahue, Mechanical Engineering

4. Harry Rosenberg Service Award: Awardee = CW Miller! Participated over 20 years. Been on more than six of the FC committees. Often serving consecutive terms. Gave experience, sincerity and integrity.

**MINUTES TO BE APPROVED**

1. Faculty Council Meeting Minutes – April 4, 2017

By unanimous consent, the minutes of the April 4, 2017 Faculty Council meeting were approved.

### **UNFINISHED BUSINESS**

1. None.

### **REPORTS TO BE RECEIVED**

1. Provost/Executive Vice President – Rick Miranda
  - a. Miranda attended a National Association of System Heads (NASH) meeting, on Taking Student Success to Scale. CSU attendees included Matt Hickey, Gwen Gorzelsky, Kelly Long, Paul Thayer, Laura Jensen and Amy Dinise-Halter. Discussions were focused on first year initiatives to achieve student engagement and success. CSU will continue to advise freshmen to take Comp and Math the first year. Advise students to choose a major or meta-major earlier. Then, can we help them take 9-12 degree purposeful credits, rather than spending first year with just general education classes. This approach helps the students hit the ground faster.
  - b. Celebrated 10 years of our Osher Institute. Won a million dollar grant to establish a program here. Going strong.
  - c. Miranda attended a summit of the Unizin consortium in Denver. Rick gave welcome address. They are going strong. Unizin continues to update its services and add components (eReader, learning analytics) and can negotiate deals for online resources (electronic text books, etc.) due to their larger body.
  - d. There was a naming celebration for the Walter Scott, Jr. College of Engineering. Rick thanked the engineering faculty for being so influential in Walter Scott's life. Wonderful day for the college and university.
  - e. Provost's Council on Engagement has met a couple more times. They are developing recommendations on how to insert engagement more deeply in to campus culture.
  - f. Miranda attended a recent event that focused on national trends in academic labor, particularly among non-tenure track faculty. The event was hosted by the Center for the Study of Academic Labor (CSAL). Miranda expressed support for the non-tenure track faculty initiatives and proposals.

Questions:

Mary Meyer (Statistics): Regarding the budget. Found that last 3-5 years the tuition increased by \$25-30 million dollars over the last few years. Increased by 20% in revenue than before and yet we are still being asked to make a budget cut in departments. The demand is increasing rapidly, and our resources are

diminishing. Where is all this money going? Statistics is not by itself. Morale is going down and down.

Miranda: I presented the budget draft at the last faculty meeting. Today, the BOG passed the budget contingent on the Long Bill being passed. \$12 million is in compensation increases for faculty and staff at CSU. \$4 million is in increases in utility bills, operation/maintenance of old and new buildings and \$8 million as pass-throughs to colleges for growth, etc. Part of the solution – with a balanced budget – is with a small reallocation exercise of \$2 million dollars. The colleges got \$7-8 million in new dollars and I asked for \$2 million in reallocation. It is not true that departments are being cut. The net is very positive for the colleges next year. The conversation in the departments is on the reallocation exercise, rather than new money. The plans for how to deploy the academic incentive money is to come later and will be held in the dean's offices rather than departments. If in a department faculty experience more cuts than incentives, have a conversation with your dean.

Meyer (Statistics): The revenue is not truly being reflected in the academic budget.

Miranda: about 2/3<sup>rd</sup> of the university budget resides in the colleges...that has been the same in the last years as well. This money relates to academic affairs.

Silvia Canetto (Natural Sciences): Clarification of implementation on salary equity exercise. There seems to be some lack of clarity about what triggers an equity change. If 20% below or above, then nothing is going to happen. If within the 20%, YOU can trigger the exercise. The department head may not want to trigger the exercise?

Miranda: The questions about an individual's salary – and whether to trigger such a review – can come in three ways. One: outside the 20% band. Dan Bush will automatically instigate the exercise. Two: self-identify. Three: Dan has looked at the salary statistics of every single department. He has identified outliers – even within the band – and plans an exercise after July 1. We will rerun the salary equity statistical analysis. Statistical progress is not equity for everyone. But want to do that exercise after normal salary exercise has come into play.

Canetto: I understood there would be a committee that would offer an independent evaluation re: those within the band

Dan Bush (Vice Provost for Faculty Affairs): That is a recommendation that come forth from the salary equity study committee. That is not happening this year. Not enough time. That will happen next year within each college.

Canetto: How do you ensure consistency for those asking for an evaluation?

Miranda: The salaries should be informed by productivity criteria in department. Gathering information should be from those in the college who have some knowledge of the productivity issues.

Antonio Pedros-Gascon (CLA): Today we received an email about library cuts. Can you pitch in more money to keep our subscriptions in place? We are a research institution and need access to our journals. Second: Could we establish a certain threshold/percentage of tenure track positions in a department? We are in a department with only 35% TTF lines. There is not equality with votes. Could we get a minimum or maximum that would be with NTTF? Giving them full voting rights is a problem.

Miranda: I put in \$400,000 to address the need of journal cancellations. The amount was short of need. The inflation of journal inflation is pinching every university in the nation. We are trying to organize to have more negotiating and buying power. The journals are sensing a disruption in amount paid by institutions. It is a complicated issue. The answer is not to fund every request of publishing companies. They have a monopoly. We can't keep up and, to be honest, we shouldn't keep up. About every 5 years we lose more ground. It is unsustainable.

Ross McConnell (Natural Sciences): The way the bullying policy is that the administration's decision is final and not grievable. If someone finds you a bully, is there a consequence? What is your position related to putting it in the *FC Manual*?

Richard Eykholt: It's not grievable because we have proposed an appeals process instead. Any disciplinary action for someone who has been found to be a bully has to go through Section E.15. That section is faculty controlled.

Miranda: It is a university-wide policy.

McConnell: That does not make any sense. There are things in the *FC Manual* that are university wide. This seems like an unprecedented step that does not go through the *Manual*. The president's cabinet has made this a unilateral decision.

Miranda: I disagree. There was wide stakeholder input including from FC.

McConnell: But there was no vote by FC. This seems unprecedented. What is the justification?

Miranda: I do think there was input sought from those across campus. The policy was put in place. It is now under the process of being amended. Another round of stakeholder opinions is being sought.

Stromberger: It is not up to Rick to put the bullying policy in the Manual. That is up to Faculty Council. CoRSAF is reviewing this now. They will decide whether to bring it forward as an action item to place the policy in the Manual.

McConnell: Is the decision of Faculty Council final?

Stromberger: No, any changes to the Manual need final approval from the Board of Governors. Let's move forward with our agenda which includes the Bullying policy.

Miranda: I will not be leaving early. I will be here for the discussion.

Miranda's report was received.

## 2. Faculty Council Chair – Mary Stromberger

Stromberger summarized the major themes that were gleaned from the faculty survey on salary, compensation, and other benefits. The summary was shared with the AP and CP Councils and will be included in a report to President Frank, Provost Miranda, and VP Lynn Johnson.

Financial stress occurs because of Child care expenses, college tuition costs for dependents, mental health costs, student loan debts, cost of housing in Fort Collins. There are faculty who experience food insecurities. Faculty are especially stressed at the end of the month and during the summer, and use credit cards to get by. Salaries are not keeping pace with cost of living. Faculty are not seeking medical care as the deductible is too high. They are not able to be financially independent; they rely on a partner or a second job. There is no disposable income at end of the month; no savings or vacations. Not having a disposable income leads to anxiety; what if there is an emergency? How do I pay the bills? One emergency puts them in a downward financial spiral. There are faculty who are anxious because they can't save more for retirement. They want a more stable retirement plan such as a pension like PERA or social security. Parking, as an issue, was raised a lot! It is like the final straw that breaks the camel's back.

To summarize recommendations: guaranteed retirement plan – get into Social security; pension plan, better health care with lower deductible, need for more child care programs (the ones on campus are full with long waiting lists), debt consolidation plan, emergency loans, annual leave for 9-month faculty, 100% tuition benefit, tuition benefit to nearby universities (partner with others), free parking, free or subsidized memberships to health clubs or gyms, and professional development funds related to teaching.

Stromberger is working with AP and CPC to put into a report to share with Lynn Johnson and Rick Miranda. Want a working group to study this issue and

develop a multi-year strategic plan for investing in employee compensation. Tim Gallagher is in the loop.

Jenny Morse (Chair, CoNTTF): Was the data broken down by demographics?

Stromberger: Can aggregate data by appointment type. NTTF and untenured professors were included in the respondents.

Executive Committee endorsed the recommendations of Committee on Teaching and Learning to establish an institutional-wide approach to online exam proctoring that is secure, cost-effective, and enhances academic integrity in online and face-to-face courses.

Committee unfinished business that will continue into next fall:

Committee on Faculty Governance – proposal to establish the University Policy Review Committee; proposed revisions to Section K of the Manual related to election of Grievance Panel members; review of non-tenure track faculty proposals

Committee on Libraries – journal cancellations

Committee on Non-Tenure Track Faculty – revisions to the Manual, Section C and E (non-tenure track faculty proposals)

CoRSAF – review of non-tenure track faculty proposals; service recognition

Committee on Strategic and Financial Planning – strategic plan for investing in employee compensation

Committee on Teaching and Learning – course survey redesign; teaching effectiveness; exam proctoring recommendations

Stromberger's report was received.

3. Board of Governors Faculty Representative – Paul Doherty, Jr.

Doherty reported the following:

BOG meeting today and tomorrow. Margarita Lenk was introduced as the new faculty representative to the Board. We have a new president with CSU Pueblo. Kim Jordan was approved this morning as a BOG representative. The BOG Excellence in Undergraduate Teaching Award was awarded to Shrideep Pallickara, Computer Sciences. The Finance Committee approved CSU's budget, pending approval of the Long Bill by the state. Parking fees were approved. \$565.



The students on the south side of campus and faculty parking will be restricted on game day. Citation fines were increased but are still cheaper than citations in the city.

Antonio Pedros-Gascon (CLA): Can we invite Kim Jordan to a FC meeting? It would help Kim Jordan to understand the politics in academia.

Doherty: I extended an invitation to all BOG members--both in written and verbally.

Doherty's report was received.

4. Committee on Teaching and Learning – Matt Hickey

Hickey reported the following:

Hickey: (Chair, CoTL): We hope to pilot a draft Phase I survey in a few classes this summer using hard copy. In fall, hope to have it electronically through Canvas in the near future. Made a pitch to UTFAB, which then committed \$30,000 next year to purchase a University license for Qualtrics. It plugs into Canvas well. Hope by December 2018 it will be to scale. The system will be nimble allowing you to survey more than once a semester. Data will no longer be expressed as means, but as distribution frequencies.

Canetto (Natural Sciences): We know there is a gender bias on surveys. Who is on your committee who is an expert on gender bias?

Hickey: There is not only gender biases but also international faculty, etc. This will be a work in progress. This new system will allow the survey to be changed quickly, so that if there is bias, we can address it and change the survey.

Hickey's report was received.

5. Committee on Libraries – Nancy Hunter

Hunter's reported the following:

Nancy explained the proposed cancellations to print and electronic journals, databases, and print books. Faculty should review the list of journals targeted for cancellation, based on low usage and/or high cost of usage. More information can be found [here](#). Please send comments/questions to Nancy at [Nancy.Hunter@colostate.edu](mailto:Nancy.Hunter@colostate.edu).

Pedros-Gascon (CLA): We are supposed to be doing research. We are not only cancelling journals but also databases. I have to go to Boulder to consult with colleagues. We need to address this issue.

Hunter: The committee on libraries supports that stand. We send a letter to the Committee on Strategic and Financial planning every year. Sometimes, our funding falls short.

Alan Schenkel (CVMBS): Do they watch numbers on ILL?

Hunter: If a particular journal is exceeding a certain number of library loan requests, then the Libraries will purchase that journal.

Stephan Kroll (Ag Sciences): How is the data determined?

Hunter: Data are captured from journals and averaged over three years.

Kroll (Ag Sciences): There are two tabs on the Excel spread sheet; electronic and print copies. It seemed there were many print copies deleted.

Hunter: Any bound journals are retained. What is kept so far is not being discarded.

Sue Doe (English): When you are keeping count on journal usage, is there an opportunity to speak to specific constituencies about the journals being deleted?

Hunter: It has not been a case where the committee crosses journals off. If there is a high-cost per use or low use, that journal is targeted. About 200 were cancelled. Low-use definition: It is 36 or fewer uses per year. We try to keep all colleges in mind as journals are being targeted.

Tom Chermak (School of Education): It seems we have come up short in the last few years. Is there anything we can do over the next year to help?

Hunter: I can't think of anything specific. This is an international problem. For example, the Dutch libraries cannot come to terms on reasonable prices for journals. We don't have a system of libraries like they do in other countries. Advocate with your societies to keep journals at a reasonable fee. They are inflating by over 6%.

Stromberger: As you propose new degree programs, build in costs for new journals and textbooks. This budget is watched very well by the Committee on Strategic and Financial Planning.

Hunter's report was received.

### **CONSENT AGENDA**

1. UCC Minutes – March 31, 2017; April 7, 2017 and April 14, 2017

Carole Makela, Chair of University Curriculum Committee, moved that Faculty Council approve the consent agenda.

The consent agenda was unanimously approved by Faculty Council.

### **ACTION ITEMS**

1. None

### **DISCUSSION**

1. Bullying policy  
-Dan Turk, Chair, CoRSAF

Turk and Richard Eykholt, UGO and CoRSAF member, presented a brief overview of the bully policy timeline, the recommended revisions proposed by the bullying policy working group, and additional recommendations from CoRSAF. His presentation will be posted on the Faculty Council website.

Richard Eykholt (University Grievance Officer): Some people have been affected by this policy. Last year, it was recommended that some changes needed to be made. Last year, a working group, thought through the changes. These were sent to CoRSAF this spring. The last two months, CoRSAF have looked at the policy and suggested changes to EC.

Eykholt talked about changes suggested by the working group. Eykholt was involved in the working group. There were issues about bullying complaints.

Recommendations: there have to be bullying specifics listed. There were no time constraints of when bullying took place. There was no way to delete a frivolous claim. See rest of Richard's list. Original policy, that intent is very difficult to prove. New wording re: reasonable person.

CoRSAF Recommendations: these are beyond the recommendations made by the working group.

Dan Turk:

- If we can resolve the issues, that is the goal.
- Work to give a few more examples; making "what is bullying" more concrete
- Added a section on medical conditions that could lead to behaviors that should not be considered bullying
- During the formal process of bullying cases, make a central location (HR) rather than handled in departments.
- Original policy allows anyone to bring formal charges; but we think it should be by those being bullied. Not observers.

- Focus is on alleged bully to have responsibility to change behavior.
- There should be a way for the alleged bully can restore their name

Eykholt:

- One of the concerns of EC is of “alleged bully” and “target of the bully”. Can we change those terms. The problem, there is an informal process – we have to think of terminology for those who report “bully”.
- Definition of bully in original policy: the working group that proving intent is difficult. That is a valid concern. CoRSAF suggested different definition that includes intent. Preponderance of evidence is needed for intent. If someone is accused of bullying, they are notified by the supervisor, if the bullying stops = good. If they have been informed, and they continue to do it, then you can infer intent. Doesn’t that give everyone a free pass when they bully? Yes. But that is in the procedures. If the person is informed and confronted, and they don’t stop then you have intent. If you want to stop bullying, then you can do it with the procedures.

Dan Turk

- CoRSAF recommended these suggestions be brought to FC today. If the university adopts the policy that is close to these recommendations, then it is suggested this policy be put into the *FC Manual*.

Mary Stromberger: Procedure forward: Will ask FC for feedback on CoRSAF’s recommendations. Feedback will be due the end of the month. Stromberger will collate the feedback, together with CoRSAF’s recommendations and will call a meeting of the working group and Dan Turk to review. Hopefully the group can settle on a revised bullying policy that is ok with everyone. Then it will be back in CoRSAF’s hands. They may recommend that it go in the FC manual.

Antonio Pedros-Gascon (CLA): Likes the ideas of modifying the policy. It should be an appendix to the FC Manual. Not just approved by executive powers. It should be faculty who is endorsing the final policy. This is better than the previous policy

Tom Chermak (School of Education): What if there is an accusation of bullying? But there was no bullying involved. Where does the burden of proof lie? The supervisor will be automatically assuming there was bullying.

Dan Turk: Hopefully the informal process will ward off that type of situation.

Marie Legare (CVMBS): This part of the process is to determine if there is bullying. If it was not bullying, it would come out in the informal process.

Moti Gorin (CLA): There is a circularity in this definition. You have to establish intent to be able determine if there is intent.

Turk, Eykholt, and Faculty Council discussed their proposed revisions. Members of Faculty Council expressed desires to have this come forward in the fall as an action item, for inclusion in the Manual.

Canetto: I would like a motion to suspend the current policy, given that there are so many issues with it. It should not be in use. Wait until we have a better policy.

Stromberger: This is a discussion item, not an action item. And if it were an action item, we don't have a quorum to have a vote.

Tim Gallagher: Even if we had a quorum, we could not have this motion, as this is a university policy. Faculty Council can't suspend university policies.

The discussion continued until 6:30. Stromberger asked members to email comments and feedback to her by the end of the month. An email will be sent to remind faculty.

Stromberger adjourned the meeting at 6:30 p.m.

Mary Stromberger, Chair  
Stephanie Clemons, Vice Chair

ATTENDANCE  
**BOLD INDICATES PRESENT AT MEETING**  
UNDERLINE INDICATES ABSENT AT MEETING

<b>ELECTED MEMBERS</b>	<b>REPRESENTING</b>	<b>TERM</b>
<b>Agricultural Sciences</b>		
<b>Stephan Kroll</b>	Agricultural and Resource Economics	2019
<u>Stephen Coleman</u>	Animal Sciences	2018
<u>Scott Nissen</u>	Bioagricultural Sciences & Pest Management	2018
<u>Adam Heuberger</u>	Horticulture & Landscape Architecture	2019
<b>Francesca Cotrufo</b>	Soil and Crop Sciences	2017
<b>Jane Choi</b>	College-at-Large	2019
<b>Jason Ahola</b>	College-at-Large	2017
<b>Bradley Goetz</b>	College-at-Large	2019
<b>Health and Human Sciences</b>		
<b>Anna Perry</b>	Design and Merchandising	2019
<b>Brian Tracy</b>	Health and Exercise Science	2018
<b>David Sampson</b>	Food Science and Human Nutrition	2019
<b>Gloria Luong</b> (substituting for Lisa Daunhauer – family leave)	Human Development and Family Studies	2018
<b>Scott Glick</b>	Construction Management	2017
<b>Barb Hooper</b>	Occupational Therapy	2017
<b>Tom Chermak</b>	School of Education	2018
<b>Eunhee Choi</b>	School of Social Work	2019
<b>Business</b>		
<u>Bill Rankin</u>	Accounting	2019
<u>Stephen Hayne</u>	Computer Information Systems	2018
<b>Tianyang Wang</b>	Finance and Real Estate	2019
<b>Troy Mumford</b>	Management	2018
<u>Kelly Martin</u> (substituting for Tuba Ustuner-thru Spring '17)	Marketing	2018
<b>Lisa Kutcher</b>	College-at-Large	2019
<b>John Hoxmeier</b>	College-at-Large	2019
<b>Engineering</b>		
<b>Russ Schumacher</b>	Atmospheric Science	2018
<u>Travis Bailey</u>	Chemical and Biological Engineering	2019
<b>Rebecca Atadero</b>	Civil and Environmental Engineering	2018
<b>Siddharth Suryanarayanan</b>	Electrical and Computer Engineering	2019
<u>Shantanu Jathar</u>	Mechanical Engineering	2017
<b>J. Rockey Luo</b>	College-at-Large	2019
<b>Steven Reising</b>	College-at-Large	2019
<u>Ted Watson</u>	College-at-Large	2018

**Liberal Arts**

<b>Michael Pante</b>	Anthropology	2017
<u>Marius Lehene</u>	Art	2017
<b>Julia Khrebtan-Horhager</b>	Communication Studies	2019
<b>Robert Keller</b>	Economics	2017
<b>Sue Doe</b>	English	2018
<b>Albert Bimper</b>	Ethnic Studies	2019
<u>Jonathan Carlyon</u>	Languages, Literatures and Cultures	2018
<b>Adrian Howkins</b>	History	2017
TBD	Journalism and Technical Communication	2017
<u>Wesley Ferreira</u>	Music, Theater, and Dance	2019
<b>Moti Gorin</b>	Philosophy	2019
<b>Kyle Saunders</b>	Political Science	2018
<u>Tara Opsai</u>	Sociology	2019
<b>Antonio Pedros-Gascon</b>	College-at-Large	2019
<b>Mohammed Hirchi</b>	College-at-Large	2017
<b>David Riep</b>	College-at-Large	2018
<b>Angela Christian</b>	College-at-Large	2018
TBD	College-at-Large	2018

**Natural Resources**

<b>Monique Rocca</b>	Ecosystem Science and Sustainability	2017
Julie Savidge (Fall 2016; <b>Barry Noon</b> (thru Spring 2018))	Fish, Wildlife, & Conservation Biology	2018
<b>Maria Fernandez-Gimenez</b>	Forest and Rangeland Stewardship	2017
<b>William Sanford</b>	Geosciences	2017
<u>Richard Knight</u>	HDNR in Warner College	2017

**Natural Sciences**

<u>Jennifer Nyborg</u>	Biochemistry and Molecular Biology	2019
<u>Melinda Smith</u>	Biology	2018
<b>George Barisas</b>	Chemistry	2017
<u>Ross McConnell</u>	Computer Science	2019
<u>Gerhard Dangelmayr</u>	Mathematics	2017
<u>Mingzhong Wu</u>	Physics	2017
<b>Silvia Canetto</b>	Psychology	2019
<b>Mary Meyer</b>	Statistics	2019
<u>Ed DeLosh</u>	College-at-Large	2017
<u>Anton Betten</u>	College-at-Large	2019
<b>Janice Moore</b>	College-at-Large	2018
<b>Brad Conner</b>	College-at-Large	2018
<b>Alan Van Orden</b>	College-at-Large	2018

**Veterinary Medicine & Biomedical Sciences**

<b>C.W. Miller</b>	Biomedical Sciences	2019
<u>Dean Hendrickson</u>	Clinical Sciences	2019
<b>Lucas Argueso</b>	Environmental & Radiological Health Sciences	2017
<b>Alan Schenkel</b>	Microbiology, Immunology and Pathology	2018
<u>Ryan Ferris</u>	College-at-Large	2017
<u>Gerald Callahan</u>	College-at-Large	2017
<u>Patrick McCue</u>	College-at-Large	2018
<u>Stuart Tobet</u>	College-at-Large	2018
<u>DN Rao Veeramachaneni</u>	College-at-Large	2018
<b>Marie Legare</b>	College-at-Large	2019
<b>Anne Avery</b>	College-at-Large	2019
<b>Tod Clapp</b>	College-at-Large	2019
<b>Dawn Duval</b>	College-at-Large	2019

**University Libraries**

<b>Nancy Hunter</b>	Libraries	2019
<b>Michelle Wilde</b>	At-Large	2019

***Ex Officio* Voting Members**

<b>Mary Stromberger</b>	Chair, Faculty Council/Executive Committee	2017
<b>Stephanie Clemons</b>	Vice Chair, Faculty Council	2017
<b>Paul Doherty, Jr.</b>	BOG Faculty Representative	2017
Don Estep, Chair	Committee on Faculty Governance	2017
Todd Donovan, Chair	Committee on Intercollegiate Athletics	2017
<b>Nancy Hunter, Chair</b>	Committee on Libraries	2017
<b>Jenny Morse, Chair</b>	Committee on Non-Tenure Track Faculty	2017
<b>Dan Turk, Chair</b>	Committee on Responsibilities & Standing of Academic Faculty	2017
<b>William Sanford, Chair</b>	Committee on Scholarship Research and Graduate Education	2017
<b>Karen Barrett, Chair</b>	Committee on Scholastic Standards	2017
Katharine Leigh, Chair	Committee on Strategic and Financial Planning	2017
Matt Hickey, Chair	Committee on Teaching and Learning	2017
Eric Prince, Chair	Committee on University Programs	2017
<b>Carole Makela, Chair</b>	University Curriculum Committee	2017



***Ex-Officio Non-Voting Members***

Anthony Frank	President
Rick Miranda	Provost/Executive Vice President
Brett Anderson	Vice President for Advancement
Mary Ontiveros	Vice President for Diversity
Louis Swanson	Vice Provost for Engagement/Director of Extension
Robin Brown	Vice President for Enrollment and Access
Dan Bush	Vice Provost for Faculty Affairs
Patrick Burns	Vice President for Information Technology/Dean Libraries
Jim Cooney	Vice Provost for International Affairs
Tom Milligan	Vice President for Public Affairs
Alan Rudolph	Vice President for Research
Blanche M. Hughes	Vice President for Student Affairs
Kelly Long	Vice Provost for Undergraduate Affairs
Lynn Johnson	Vice President for University Operations
Ajay Menon	Dean, College of Agricultural Sciences
Jeff McCubbin	Dean, College of Health and Human Sciences
Beth Walker	Dean, College of Business
David McLean	Dean, College of Engineering
Jodie Hanzlik	Dean, Graduate School
Ben Withers	Dean, College of Liberal Arts
Jan Nerger	Dean, College of Natural Sciences
Mark Stetter	Dean, College of Vet. Medicine & Biomedical Sciences
John Hayes	Dean, Warner College of Natural Resources
Toni-Lee Viney	Chair, Administrative Professional Council

**BALLOT**  
**Academic Faculty Nominations to Faculty Council Standing Committees**  
**September 5, 2017**

**COMMITTEE ON FACULTY GOVERNANCE**

<b><u>SCOTT SHULER</u></b>	CHHS	2020
(Nominated by Committee on Faculty Governance)		

**COMMITTEE ON INTERCOLLEGIATE ATHLETICS**

<b><u>TODD DONAVAN</u></b>	COB	2020
(Nominated by Committee on Faculty Governance)		

**COMMITTEE ON LIBRARIES**

<b><u>MEHMET OZBEK</u></b>	CHHS	2020
(Nominated by Committee on Faculty Governance)		

**COMMITTEE ON NON-TENURE FACULTY**

<b><u>DAN BAKER</u></b>	Engineering	2020	<b>Term Expires</b>
(Nominated by Committee on Faculty Governance)			

**COMMITTEE ON RESPONSIBILITIES AND STANDING OF ACADEMIC FACULTY**

<b><u>MIKE FALKOWSKI</u></b>	WCNR	2020
(Nominated by Committee on Faculty Governance)		

<b><u>SVETLANA OLBINA</u></b>	CHHS	2020
(Nominated by Committee on Faculty Governance)		

<b><u>MARIE LEGARE</u></b>	CVMBS	2020
(Nominated by Committee on Faculty Governance)		

**COMMITTEE ON SCHOLARSHIP, RESEARCH AND GRADUATE EDUCATION**

<b><u>JUYEON PARK</u></b>	HHS	2020
Nominated by Committee on Faculty Governance)		

**COMMITTEE ON SCHOLASTIC STANDARDS**

<b><u>LIBA GOLDSTEIN</u></b>	WCNR	2018
(Nominated by Committee on Faculty Governance)		(temporary - one year)

**COMMITTEE ON STRATEGIC AND FINANCIAL PLANNING**

<b><u>CHUCK SHACKELFORD</u></b>	COE	2020
(Nominated by Committee on Faculty Governance)		

**COMMITTEE ON UNIVERSITY PROGRAMS**

<b><u>JOSE LUIS SUAREZ-GARCIA</u></b>	CLA	2020
(Nominated by Committee on Faculty Governance)		

<b><u>STUART COTTRELL</u></b>	WCNR	2018
(Nominated by Committee on Faculty Governance)		

**UNIVERSITY CURRICULUM COMMITTEE**

<b><u>SALLY SUTTON</u></b>	WCNR	2020
(Nominated by Committee on Faculty Governance)		

<b><u>DOREENE HYATT</u></b>	CVMBS	2020
(Nominated by Committee on Faculty Governance)		

**BALLOT**  
**University Committee Nominations**  
**GRIEVANCE PANEL**  
**3-year term**  
**September 5, 2017**

**FRANK B. PEAIRS**  
(Nominated by Committee on Faculty Governance)

Agricultural Sciences

2020

## **BOARD OF GOVERNORS – Faculty Council Representative Report**

*Margarita Maria Lenk.*

The Board of Governors (BOG) met three times (May 2-3, June 15-16, and August 1-2) since the last Faculty Council meeting. Full BOG meeting minutes are available on the BOG web site. Below are my highlights notes from these meetings, and are not meant to be fully comprehensive summaries of the Board meetings.

### **The May 2-3 meeting was held on the CSU Fort Collins campus.**

- 1) The Board of Governor's Excellence in Undergraduate Teaching Award was awarded to Dr. Pallickara.
- 2) Ms. Susy Serrano will replace Allison Horn as the new System Director of Internal Auditing.
- 3) State Budget is not yet approved, SB 17-267 may repeal the state hospital provider fee that includes funding for state capital construction projects, and the new budget may contain a 2% reduction in funding for all state agencies in FY 19. The tentative CSU proposal was approved, pending State budget approvals. If the budget needs to change there will be another Board vote of approval at a later date. CSU –Fort Collins campus will have a 5% tuition increase, 1.4% increase in mandatory fees for resident undergraduate students, 2.9% increase in housing and dining fees, making an average increase of 3.6% in tuition and fees. Faculty salaries increase in this proposal is for 2.25%. The FY 19 combined campuses capital construction prioritization list was approved.
- 4) Proposal for increasing the cost of parking permits by 3% for the next three years was approved.
- 5) Proposal for increasing the fines of traffic citations on campus to be closer to 70% of the similar fines in the city of Fort Collins was approved.
- 6) Paul Doherty, Faculty Representative to the Board expressed his appreciation for the opportunity to serve, and explained his Semester at Sea teaching plans. (per the request of the board).
- 7) Amy Parsons explained that the stadium was proceeding on time and within budget and the progress on the National Western Center. VP Blanche Hughes explained that the Game Day Experience Committee had been meeting for 2 years and was ready for the new stadium events, activities and issues. The re-park policies (signed by residential freshmen living on campus) were explained for at home football games.
- 8) Dr. Frank awarded Mr. Haberecht the Ram Pride Service Award for his work above self and beyond the call of service for his interfaces with the community regarding the new campus stadium, as well as Mr. Barker and Ms. Walsh who assisted a homeless veteran become successfully enrolled at CSU.
- 9) Student representative reported the progress towards online course surveys, sustainability collaborations, alternative transportation, free speech policies, the Bell from Old Main (partnership with the Alumni Association), student fees, a proposed System passport for all students, participation in the CSU-Pueblo ICR conference, food security initiatives and ASCSU's commitment to diverse groups and points of view.
- 10) A new for-profit company, Beyond Campus Innovations (BCI) has been created for CSU-Global Campus' revenues from servicing outsourced organizational training. CSU System Foundation is the only shareholder. BCI will provide annual reports to the Board of Governors.
- 11) Real Estate Committee: The new refresh plan for the Shepardson Hall addition will be included on the state's capital construction list. The JBS Global Food Innovation Center is now in phase II and is added to the state's cash-funded list. Both were approved.
- 12) Academic and Student Affairs Committee: All new program and courses and consent agenda were approved. New graduate degree programs: MS of Science in Materials Science and Engineering, New Bachelor Degree program in Women's and Gender's Studies, 8 new Graduate Certificate programs. All faculty manual changes were approved: C.2.1.9.3, C.2.1.9.4, C.2.1.9.5h, C.2.1.9.5i, E15.1, F.3.2.1, and I.19.
- 13) Gwen Gorzelsky indicated the relationship between faculty and instructional designers with two coursework redesign examples, one from the distance MSW program (Ms. Riep), and the other from the Microeconomics team (Dr. Gebhardt).
- 14) Dr. Frank reported Colorado higher education system leaders will drafting a master plan refresh. The state's master plan has four main goals: increase credential completion; erase equity gaps; improve student success; and invest in affordability and innovation. Dr. Frank explained there is a national goal through a study by the Lumina Foundation for a 60% credential completion rate based on projected work force needs. The CCHE and Colorado determined a rate of 66% is needed by 2025.

**The June 16-17 meeting/retreat was held at the Cheyenne Mountain Resort in Colorado Springs.**

- 1) Tony Frank provided a thoughtful summary of the heritage of the Land-Grant University system and summarized the current opportunities and challenges. He believes that CSU needs to innovate wherever possible, find system-wide efficiencies, scale successes rapidly, and focus on outcomes, not operations, never settling for less than what we are capable of doing. He believes that CSU can innovate how we deliver courses and what we deliver as the future marketplace for education and skill development is changing. CSU currently ranks in the top 10 as #7 in a national assessment of universities that teach critical thinking, reasoning, writing, and problem-solving. CSU-Global and CSU-Pueblo provided their campus visions.
- 2) Presentation on Future Learn, the platform of choice at CSU for MOOCs.
- 3) Strategic planning and mapping for the CSU system was the topic of the rest of this retreat.

**The August 1-2 meeting was held at the CSU – Global campus in Greenwood Village, CO.**

- 1) The Board of Governor's teaching award was presented to Dr. Smith, from CSU-Global in math and computer science.
- 2) Academic and Student Affairs Committee will approve all degree candidates at the August board meetings.
- 3) Dr. Frank spoke about faculty activities, earning more sponsored research awards than peer institutions, and making at least 90% of the salaries of peer institutions,
- 4) Dr. Cleary from CSU-Fort Collins' psychology department made a great presentation on the science of learning and how humans have very little insight into what leads to permanent learning, indicating that there are ineffective study habits. She has created a new course, PSY 152 to help students become better learners. Initial results are very positive.
- 5) Joe Parker provided an Athletic report, stating that CSU athletes tracked with CSU students in terms of retention, graduation, and GPA rates. CSU ranks 3<sup>rd</sup> or higher in Mountain West, with 9 teams finishing in the top 2 positions. Basketball, football and volleyball were ranked 3<sup>rd</sup> in the nation with the most winningest teams (>75%) Tom Hilbert is the winningest Division I coach in Colorado. Track and Field has the most All American honors.
- 6) Finance and Audit Report: University Disaster Recovery Plan Audit for IT, Financial Commitments, Center for International Programs at Pueblo. CSU-P audit is finishing up, Internal Audit dept. review,
- 7) Lynn Johnson, Office of Budget: state is still considering a 2% reduction of upcoming budget. Most of the academic incentive funding is from the differential tuition, most of it is from the PVM program this year. Currently, at a 9.6 million dollar deficit. Different higher education institutions are asking if the 2% reduction will include tuition in addition to expenditures which may make budget deficits much larger. CSU is performing cost-driver analyses. Colorado is still expected to grow by 6.1%; SB17-267 approved hospital fee, but reduced the Tabor limit for the permanent future. Regarding CSU bonds, a swap contract on the variable rate bonds (<1% to 2.4% ish) with a derivatives policy added is being considered, but the interest rate would still be within in the athletic budgeted rate of 2.4%.
- 8) Amy Parsons: Stadium construction is on time and in budget, and it is expected to finish on time and on budget. VIP areas are sold out. Contingency fees were spent mostly on the practice field features. Alumni Hall may be named soon.

**The next BOG meeting will be Oct 5-6 on the Fort Collins Campus.**

**My overall impression:**

CSU has a very caring, supportive, knowledgeable, engaged, and skilled board at this time. Their wide range of leadership and experience, along with their generous attitudes towards sharing their foresights, insights, and willingness to work together with each other, as well as with the three administrations, faculty, staff, and students, was extremely evident and palpable. From her comments, and the reaction to her comments, I believe that Kim Jordan will bring many valuable vision and business insights to this board, as well as a commitment to and knowledge about Fort Collins.

**COLORADO STATE UNIVERSITY  
FACULTY COUNCIL ANNUAL REPORT  
TO THE BOARD OF GOVERNORS  
July 2016 - May 2017**

**Current Faculty Council Officers:**

Mary Stromberger, Chair  
Stephanie Clemons, Vice Chair  
Paul Doherty, BOG Faculty Representative  
Lola Fehr, Professional Registered Parliamentarian  
Rita Knoll, Executive Assistant

**Incoming Faculty Council Officers for 2017-2018:**

Timothy Gallagher, Chair  
Sue Doe, Vice Chair  
Margarita Lenk, BOG Faculty Representative  
Lola Fehr, Professional Registered Parliamentarian  
Rita Knoll, Executive Assistant

Faculty Council acts as a representative body for the academic faculty and performs duties delegated to the faculty by acts of the legislature. The Faculty Council, subject to statutes of the State and regulations and policies of the Board of Governors (BOG), has jurisdiction over the general educational policies of the University and passes all rules and regulations necessary to University government. Faculty Council membership consists of one elected representative from each academic department and the Libraries, and a proportionate representation from each college as voting members. Upper-level administrators are *ex officio* non-voting members. The 2016-17 membership for the Faculty Council is attached. Below is a list of Faculty Council business during the 2016-17 academic year.

**Action Items Requiring BOG Approval – 2016-17 Academic Year:***Academic Faculty and Administrative Professional Manual Revisions 2016-17:*

Section D.3.6 - Responsibilities for Ensuring Nondiscrimination Practices  
Section D.5.1 - Nondiscrimination and Affirmative Action  
Appendix 1 - Discrimination, Harassment, Sexual Harassment, Sexual Misconduct, Domestic Violence, Dating Violence, Stalking, and Retaliation  
Section C.2.1.9.3 - Membership and Organization  
Section C.2.1.9.3 - Membership and Organization and C.2.1.9.4 Election to Membership and Term of Service  
Section C.2.1.9.5.d – Committee on Libraries  
Section C.2.1.9.5.h - Committee on Strategic and Financial Planning  
Section C.2.1.9.5.i - Committee on Teaching and Learning  
Section E.15.1 – Initiating the Disciplinary Process  
Section F.3.2.1 – Sick Leave Accrual  
Section I.11– Students Called to Active Duty  
Section I.19 – Policies Regarding Controlled Substances, Illicit Drugs, and Alcohol

*Proposed revisions to the Colorado State University Academic Calendar*

Fall and Spring Semesters 2016-2018; 2018-2010; and 2020-2022 to include Sunday commencements.

*Candidates for Degrees:*

Fall Candidates 2016  
Spring Candidates 2017  
Summer Candidates 2017

*New Degree Programs:*

Master of Addiction Counseling, Plan C (M.A.C.)  
 Bachelor of Arts, Major in Women's and Gender Studies  
 Master of Science in Materials Science and Engineering, Plan A and Plan B  
 Master of Science in Computer Engineering, Plan A and Plan B  
 Ph.D. in Anthropology  
 Ph.D. in Materials Science and Engineering  
 Ph.D. in Computer Engineering

*New Graduate Certificates:*

- Organizational Development – Department of Psychology (9/9/16)
- Performance Management – Department of Psychology (9/9/16)
- Adult Basic Education – School of Education (10/14/16)
- Sustainable Military Lands Management – Center for Environmental Management of Military Lands (10/14/16)
- High Impact On-Demand Learning Solutions – School of Education (11/11/16)
- Conservation Actions with Lands, Animals, and People – Department of Fish, Wildlife, and Conservation Biology (1/20/17)
- Business Analytics and Accounting Systems – Department of Computer Information Systems (1/20/17)
- Adventure Tourism – Department of Human Dimensions of Natural Resources (1/20/17)
- Facilitating Adult Learning – School of Education (3/3/17)
- TESOL Education – Department of English (3/3/17)
- Agritourism Management – Department of Human Dimensions of Natural Resources (3/3/17)
- Nutrition Sciences – Department of Food Science and Human Nutrition (3/10/17)
- Teaching in Extension – Department of Agricultural and Resource Economics (4/14/17)

**2016-17 General Catalog Revisions (BOG Approval Not Required)**

University Withdrawal for Call to Active Duty

**2016-17 Curricular Policies and Procedures Handbook**

No change

**2016-17 Graduate & Professional Bulletin Revisions (BOG Approval Not Required)**

Continuous Registration  
 Evaluation of Graduate Students  
 CSU Student Conduct Code  
 Admissions Requirements and Procedures  
 Graduate Study  
 Graduate Certificate Program  
 Graduate Assistantships – Terms and Conditions of Appointment  
 Master's Degrees – Credit Requirements  
 Ph.D. Degree

**New Centers, Institutes and Other Special Units**

Earth System Modeling and Education Institute (ESMEI)  
 Regional Economic Development Institute at CSU, or REDI@CSU

**Routine Action Items for Faculty Council Approval (BOG Approval Not Required)**

Confirmation of Faculty Council Parliamentarian and Secretary

Elections:

Faculty Council Officers  
 Standing Committee Members  
 Graduate and Undergraduate Student Representatives to Standing Committees  
 Grievance Panel



Discipline Panel  
 University Benefits Committee  
 Annual Reports (2016-17):  
 Faculty Council Standing Committees  
 University Benefits Committee  
 University Grievance Officer Annual Report

Changes in Curriculum – 2016-17  
 Recommendations for Continuance or Discontinuance of Centers, Institutes, and Other Special Units

**Faculty Council Discussion Items 2016-17:**

*October 2016* – Recommendations from the Committee on Non-Tenure Track Faculty – Jen Aberle and Jenny Morse, Chair, CoNTTF  
*February 2017* – Engaging Faculty in Student Success – Paul Thayer, Associate Vice President for Student Affairs  
*March 2017* – Proposals related to Non-Tenure Track Faculty – Jenny Morse, Chair, CoNTTF  
*April 2017* - Salary Equity Study – Diana Prieto, Director of Human Resources and OEO; Colleen Webb, Department of Biology; Laura Jensen, Institutional Research; Dan Bush, Vice Provost for Faculty Affairs  
*May 2017* - Bullying Policy – Dan Turk, Chair, CoRSAF

**Faculty Council Special Reports 2016-17:**

Alan Rudolph, VPR, Research Success Initiatives – November 1, 2016  
 Diana Prieto and Teri Suhr, HR, Changes to Health Care Plan – November 1, 2016  
 Committee on Libraries, Nancy Hunter – Journal Cancellations - May 2, 2017  
 Committee on Teaching and Learning, Matt Hickey, Draft Phase 1 survey – May 2, 2017

**Faculty Council Campus Issues 2016-17:**

2016-17 Budget Planning Issues  
 Non-Tenure Track Faculty  
 Bullying in the Workplace Policy  
 Faculty Salaries and Compensation

### **Committee on Faculty Governance (CoFG) Annual Report 2016-2017**

Members for 2016-2017:

Agricultural Sciences–Merlyn Paulson  
 Applied Human Sciences–Scott Shuler  
 Business–Leo Vijayarathy  
 Engineering–Steve Reising, vice Chair  
 Liberal Arts–Emily Moore  
 Natural Resources–Troy Ocheltree  
 Natural Sciences–Don Estep, Chair  
 Veterinary Medicine and Biomedical Sciences–Quinton Winger  
 University Libraries–Allison Level

The committee physically met on the following dates: 9/27/16, 2/8/17, 4/3/17. The committee conducted significant business through electronic discussions.

Code changes to the following sections were considered by CoFG:

- C.2.1.3.3
- C.2.1.9.3
- C2.1.9.4
- C2.1.9.5.h
- C.2.1.9.5.i
- C.2.1.3.1
- C.2.1.4
- C.2.1.9.3
- C.2.1.9.6
- C.2.3.8
- C.2.4.2
- C.2.4.2.1
- C.2.5
- C.2.8.1
- C.2.8.3

CoFG took the following actions regarding elections:

- Conducted elections for departmental and at-large representatives to Faculty Council.
- Conducted elections for members of Executive Committee.
- Made nominations for Faculty Council officers.
- Made nominations for members of Faculty Council standing committees.
- Made nominations for members of University Benefits Committee.
- Made nominations for members of Grievance Panel.
- Appointed substitutes for temporary vacancies on Faculty Council and its standing committees.

The CoFG considered other issues regarding changes to the Academic Manual

- The CoFG completed a review of election procedures with respect to Faculty Council throughout the University and wrote a significant update of the Committee Operating Procedures, which were sent to the Faculty Council Officers. Chair of CoFG visited several Dean's Committees for Department Chairs to explain the changes.
- The CoFG wrote a proposal to create a new University Committee with responsibility to review and evaluate university administration policies. The proposal underwent significant revisions after consideration of CoRAF, Administrative Professional Council, State Classified Employee Council, and Bob Schur.
- The CoFG proposed a significant revision to the composition and election procedures for the University Grievance Panel. That proposal has been further revised by the University Grievance Officer working in conjunction with other interested parties on campus.
- The CoFG worked with the University Benefits Committee on election procedures and expectations in conjunction with drafting of Operating Procedures for the UBC.
- The CoFG received the CoNTTF motion to change C.2.1.3.1, C.2.1.4, C.2.1.9.3, C.2.1.9.6, C.2.3.8, C.2.4.2, C.2.4.2.1, C.2.5, C.2.8.1, C.2.8.3. These motions were discussed extensively in recognition that the CoNTTF has proposed some closely related motions in the past that received extensive consideration. The CoFG decided that these issues need to be considered systematically at multiple levels in the university community in order that the committee fulfil its mandated responsibilities. As a first step, the CoFG established a public, anonymous web site where comments on the proposals can be made, and broadcasted a first request for input.

**Faculty Council Committee on Intercollegiate Athletics**  
**Annual Report – From September 6<sup>th</sup> 2016 to May 2<sup>nd</sup> 2017**

Member	College	Role / Title	# of meetings attended out of 7
Andrew Seidl	Agricultural Sciences	Member	4
Karen Hyllegard	Health & Human Sciences	Member	4
Todd Donavan	Business	Chair	7
Stephen Milton	Engineering (Electrical & Computer)	Member	3
Kyle Saunders	Liberal Arts (Political Science)	Member	3
Kevin Crooks	Natural Resources (Forestry Rangeland)	Member	3
Greg Florant	Natural Sciences	Member	6
Craig Webb	Veterinary Medicine & Biomedical Sciences	Member	5
Mark Shelstad	University Libraries	Member	4
No undergrad Representative this year. *	Student Representative (Undergraduate)	Undergraduate	0
Shane Garland	Student Representative (Graduate)	Graduate Student	7
James Francis	Faculty Representative to Athletics (ex officio)	Ex-officio	6

\*We made several requests to ASCSU for a representative, but had no luck in securing an undergraduate representative.

**Dates of Meetings:**

September 6, 2016  
 January 24, 2017  
 May 2, 2017

October 10, 2016  
 February 21, 2017

November 1, 2016  
 March 28, 2017

FCCIA met during the school year 2016-2017 seven times, in addition to a meeting in October to meet with SAAC to discuss the previous year's exit surveys. We cancelled our regularly scheduled meeting in April with SAAC due to SAAC indicating they did not have any important business to discuss with our committee.

The October meeting with SAAC was a very positive meeting. Typically, during the meeting to discuss the exit surveys, athletes have a laundry list of issues they would like us to take up on their behalf. Overall, the athletes were quite pleased with the current state of athletics. Specifically, they were very pleased with the refueling station that opened two years ago. A number of issues were discussed with FCCIA. One issue that appears to be a concern for the student-athletes is tutoring. This issue has repeatedly come up each year for several years. Students voiced that tutors do not know the material, and athletes would like the ability to use tutors across campus. We discussed a number of other issues such as the academic center, days off from training, laundry, equipment staff and trainers. We passed along all this information in a report to the athletic director in the November meeting.

During this year, athletics kept us updated on the state of the new stadium regarding schedule and budget. The project stayed on time and on budget through the school year. In December, we toured the stadium.

In the March meeting, FCCIA met again with Terry DeZeeuw from the athletic department. Terry provided an update on the current department concussion plan. This plan includes steps of identifying athletes who may have suffered a concussion (medical spotters), treatment and reentry into competition.

FCCIA reviewed the graduation rates within athletics. CSU athletics is doing well with preparing student-athletes for graduation. Ten of our 14 teams had perfect APR scores. The student-athlete graduation rate is similar to the rate for the general student body.

In the May meeting, FCCIA voted Dr. Todd Donovan to chair FCCIA for the 2017-2018 academic year.

# COMMITTEE ON LIBRARIES

Annual Report for Academic Year 2016-2017

## Introduction

This constitutes the annual report of the Committee on Libraries for academic year 2016-2017, and is submitted by Nancy Hunter, Chair of the Committee during the spring semester. This report is organized to include information on members, meeting attendance, substantive activities, and recommendations for next year.

## Members

Members and their representation are listed below:

- Mazdak Arabi (Engineering)
- Susan Baker (Health and Human Sciences)
- Patrick Burns (Dean, University Libraries – ex officio)
- Kellie Enns (Agricultural Sciences)
- Martin Gelfand (Natural Sciences)
- Nancy Hunter, Chair of the Committee during spring 2017 semester (University Libraries)
- Laurence Johnson (Business)
- Eric Knutson (graduate student representative)
- Jerry Magloughlin, (Natural Resources)
- Jessica Prenni (V.P. for Research Representative – ex officio)
- Noreen Reist (Veterinary Medicine and Biomedical Sciences)
- Mary Stromberger (Chair, Faculty Council – ex officio).
- There was no faculty representative from the College of Liberal Arts, nor was there an undergraduate student representative.

## Meetings

The meeting schedule is provided below. Formal minutes were taken at each meeting, and once approved by the committee, are archived on the Libraries' Staff Wiki

- September 15, 2016
- October 20, 2016
- November 17, 2016
- December 15, 2016 – Optional Informal Meeting – field trip to Lake Street Annex
- February 13, 2017
- March 20, 2017
- April 10, 2017
- May 8, 2017 (not yet approved)

Attendance of members at the meetings is provided in Table 1 below.

Table 1 Committee on Libraries Attendance								
Member	Meeting Date							
	9/15	10/20	11/17	12/15 (Opt.)	2/13	3/20	4/10	5/8
Mazdak Arabi	X							
Susan Baker	X				X			X
Kellie Enns	X	X	X				SUB	
Martin Gelfand	X	X	X	X	X	X	X	X
Nancy Hunter	X	X	X	X	X	X	X	SUB
Laurence Johnson	X	X	X		X	X		
Eric Knutson		X	X		X			
Jerry Magloughlin (sabbatical leave spring semester – substitute Michael Ronayne)	X	X	X	X	SUB		SUB	SUB
Noreen Reist	X	X		X	X		X	X

## Substantive Activities of the Committee

Significant matters (issues) attended to by the committee include:

- Alma and Primo implementation and updates
- Open access initiatives and activities
- Open access subsidy, status, analysis, and policy revision
- Open textbook workshop overview
- Collection projections and reductions (databases, journals & monographs) – directions, methodology, and impacts
- Lake Street Book Depository/Annex - space issues and development opportunity
- Libraries budget / funding issues
- Committee membership – ex-officio representative from the VPR office
- First Amendment Rights open forum
- Burns' appointment to the ARL Coordinating Committee to pursue collections collaborative purchases

## Recommendations

Recommendations for AY 2017-2018 include:

1. Hunter was elected as the Chair for AY-17-18, and has agreed to so serve. We submit this nomination to the Faculty Council Executive Committee for its approval.
2. We are entering the third year of significant unmet budget needs for library collections. To date, the discontinuation of purchases of monographs, databases, and journals necessitated by inadequate budget to sustain collections has not had a significantly deleterious effect on CSU, as CSU Libraries has very creatively been working to find alternative solutions, including creatively rearranging contracts and purchase agreements. The Committee on Libraries has been fully engaged in an advisory role in this activity for all three years running. The Committee is becoming increasingly concerned that

significant continued unmet budget may begin to have serious deleterious effects upon our research and academic quality. In addition, the Committee notes that there remain hundreds of thousands of dollars of requests for new content that are also pending and unfunded. These are separate and distinct from the requests for library resources for new program requests, that are at least identified for funding and are at times funded. We understand the Dean of Libraries is pursuing this as a significant issue at most ARL libraries, but view success there as both uncertain and if partially or wholly successful, requiring several years to come to fruition. Ergo, we recommend that the Provost and the Vice President for Research consider constituting a blue-ribbon committee or task force as part of the Research and Scholarship Success Initiative (RSSI) to address this issue.

We would be happy to be contacted for additional information.



**COLORADO STATE UNIVERSITY COMMITTEE ON NON TENURE TRACK  
FACULTY  
Annual Report for September 2016 to June 2017**

**MEMBERSHIP 2016-2017**

Agricultural Sciences	Matt Camper (began December 2016)
Health and Human Sciences	Patty Stutz-Tanenbaum
Business	Jenny Morse, Chair
Engineering	Steven Schaeffer
Liberal Arts	Natalie Barnes
Natural Resources	Natalie Ooi, Vice Chair (Sean Bryan sub Fall 2016)
Natural Sciences	Steve Benoit
Veterinary Medicine and Biomedical Sciences	Leslie Stone-Roy (began October 2016)
Libraries	Tobin Magle (began December 2016)
Tenured Faculty	Sue Doe
Tenured Faculty	David Greene
At-large member	Joseph DiVerdi

**I. Meetings**

The Committee on Non Tenure Track Faculty met 19 times during the 2016-2017 academic year. All 19 meetings focused on moving forward with our proposals and recommendations to improve the circumstances of NTTF at CSU.

08/29/16	Recap of last year's unfinished business and response to proposal
9/13/16	Discussed proposal progress
9/27/16	Discussion of how NTTF are included in the budget with Dan Bush (Vice Provost), Louann Reid (Department Chair, English Department), Steve Shulman (Economics Department), and Simon Tavener (Associate Dean of Academics, College Natural Sciences, Mathematics Department)
10/11/16	Discussion of proposal next steps
10/25/16	Discussion of proposal next steps
11/8/16	Discussion of proposal next steps
11/29/16	Discussion of proposal next steps, Mary Ontiveros presentation of Inclusive Campus Policy
12/12/16	Discussion of proposal next steps
1/17/17	Discussion of proposal next steps
1/24/17	Discussion of proposal next steps
1/31/17	Discussion of proposal next steps
2/7/17	Discussion of proposal next steps
2/14/17	Discussion of proposal next steps
2/21/17	Discussion of proposal next steps
2/28/17	Discussion of proposal next steps
3/21/17	Discussion of proposal next steps

- 4/4/17 Discussion of proposal next steps  
 4/18/17 Discussion of proposal next steps  
 5/2/17 Discussion of proposal next steps

## II. Additional Meetings and Presentations Prepared by CoNTTF members

- 9/2/17 Chair met with Dan Bush and Jen Aberle about proposal  
 9/23/17 Chair met with Dan Bush and Mary Stromberger about proposal and timeline  
 9/27/17 Presentation of Central Tenets to Executive Committee  
 10/4/17 Presentation of Central Tenets to Faculty Council  
 10/19/17 Presentation of Central Tenets to Council of Deans  
 10/24/17 Presentation of Central Tenets at Campus Equity Week  
 10/25/17 All University Forum on proposal  
 11/7/17 All University Forum on proposal  
 11/7/17 Non Tenure Track Faculty Reception remarks  
 2/15/17 Presentation of Action Plan to Council of Deans  
 2/20/17 Presentation of Action Plan to CoTL  
 2/21/17 Discussion of proposed revisions to the manual with CoRSAF  
 2/27/17 Chair met with Dan Bush and Mary Stromberger about proposal and timeline  
 2/28/17 Presentation of Action Plan to Executive Committee  
 3/7/17 Presentation of Action Plan to Faculty Council  
 4/5/17 Presentation of Action Plan to School of Education  
 4/14/17 Chair met with Dan Bush, Mary Stromberger, and Sue Doe about proposal  
 4/19/17 Natalie Barnes and Leslie Stone-Roy met with Standing Committee on the Status of Women Faculty about proposal and partnering  
 4/24/17 Joseph DiVerdi met with Bioagricultural Sciences and Pest Management Dept, College of Agricultural Sciences, about proposal  
 4/27/17 Presentation of Action Plan at Center for the Study of Academic Labor panel

## III. Proposal Documents and Committee Process

### Summer 2016

#### **Re-envisioning Faculty Appointments**

Led to Fall Charge to committee to solicit input from stakeholders, present materials to stakeholders, and draft revisions to the manual in accordance with the proposal

### Fall 2016

#### **Central Tenets**

A document establishing values of proposal which was widely distributed for feedback and support. Generally, response to this document was positive and the committee was encouraged to proceed.

### Spring 2017

#### **Action Plan**

A 5pg document clarifying the changes to appointment types proposed, recommending further cultural and institutional changes beyond the scope of the manual, and providing a conversion plan for current faculty.

#### **Draft proposed manual revisions to Section C**

Sent to the Committee on Faculty Governance on February 12, 2017. No response or communication of any kind has been received from that committee. A questionnaire was sent out by CoFG to all faculty about our proposal but without

any discussion with our committee. Our committee has been unable to proceed with discussion or revisions to Section C as a result.

**Draft proposed manual revisions to Section E**

Sent to the Committee on Responsibilities and Standing of Academic Faculty on February 14, 2017. Other than one meeting with the committee on February 21, no further response or communication has been received from that committee. Our committee has been unable to proceed with discussion or revisions to Section E as a result.

#### IV. Other Committee Business

##### Leadership and Committee Composition

- Jenny Morse served as Chair for 2016-17 and has been reelected for 2017-2018.
- Natalie Ooi served as Vice Chair for 2016-2017 and has been reelected for 2017-2018.
- Four new committee members joined in fall 2016 – Steve Benoit (Natural Sciences), Leslie Stone-Roy (Veterinary Medicine), Matt Camper (Agricultural Sciences), Tobin Magle (Libraries).
- Sue Doe will be leaving the committee to serve as Faculty Council Vice Chair, and David Greene rotated off the committee this year. Two new tenured faculty members are being solicited to join us for 2017-2020.

##### Business

The committee has identified several areas for ongoing investigation and work alongside the proposal that we will continue to try to move through Faculty Council next year.

- Create a record of grievances & issues brought to the CoNTTF and their outcomes
- Encourage Special and Senior Teaching Faculty voting representatives on all remaining Faculty Council Standing Committees:
  - Committee on Faculty Governance
  - Committee on Libraries
  - Committee on Responsibilities and Standing of Academic Faculty
  - Committee on Scholarship, Research, & Graduate Education
  - Committee on University Programs
  - University Curriculum Committee
- Identify and report on voting rights for non tenure track faculty in departments and colleges
- Review contract language for compliance with HB1144 and protection of academic freedom
- Ask for an audit of the budget, particularly to investigate how NTTF are being paid
- Request that Institutional Research publish a report on NTTF salaries, titles, years at CSU, percent FTE, and other relevant information
- Review of Faculty appointments for appropriate classification, particularly for those in non student hourly or AP positions
- Audit department and college codes for compliance with the manual, review actual practices in departments for compliance with the manual
- Strengthen representation of Special and Senior Teaching Faculty on Faculty Council

# CoRSAF Annual Report

For Academic Year Ending 2017 June 30

## Members

Name	College	Attendance (%)
Turk, Dan (chair)	Business (CoB)	100
Amidon, Tim	Liberal Arts (CLA)	91
Eykholt, Richard	Natural Sciences (CNS)	100
Gavin, Michael	Natural Resources (WCNR)	100
Legare, Marie	Vet Med and Biomedical Sciences (CVMBS)	100
Martin, Jennifer	Agricultural Sciences (CoA)	27
Meyer, Linda	University Libraries (Lib)	91
Nobe, Mary	Health & Human Sciences (HHS)	64
Puttlitz, Christian	Engineering (CoE)	64

## Activities

The Committee on Responsibility and Standing of Academic Faculty (CoRSAF) met 11 times during the 2017-2018 Academic Year.

CoRSAF discussed numerous topics, made a number of proposals to Faculty Council (FC), and obtained FC approval on a number of these. A summary of these activities is provided below.

1. Updated and approved CoRSAF Operating Procedures.
2. Approved CoRSAF chair for 2016-2017 Academic Year.
3. Approved CoRSAF chair for 2017-2018 Academic Year.
4. Proposed and obtained FC approval for updates to Faculty Manual F.3.2, Sick Leave.
5. Proposed and obtained FC approval for updates to Faculty Manual D.3.6, D.5.1, and Appendix 1, Nondiscrimination.
6. Proposed and obtained FC approval for updates to Faculty Manual E.15.1, Initiating the Disciplinary Process.
7. Reviewed and proposed updates to the FC Committee on Faculty Governance (CoFG) regarding a new University Policy Review Committee (UPRC).
8. Reviewed, proposed, and obtained FC approval for updates to Faculty Manual I.19, Drugs and Alcohol.
9. Reviewed, proposed updates to, and led FC Discussion Topic on the CSU Bullying Policy.
10. Proposed updates to Faculty Manual E.9, Faculty Productivity, which were referred back to CoRSAF by FC.
11. Began discussions about out to better reward people for service.
12. Began discussions regarding Non Tenure Track Faculty (NTTF) and interfaced with CoFG regarding plans to review proposals from the Committee on Non Tenure Track Faculty (CoNTTF) and make proposals to FC regarding NTTF.

CSU Faculty Council

Committee on Scholarship, Research and Graduate Education

William Sanford, Chair

Report of academic year 2016-2017

During the year, the committee reviewed and approved the following:

- Six new Plan C programs
- Five new Masters programs
- Five new Ph.D. programs
- Changes and revisions to 22 existing programs
- Four requested additions to graduate student committees
- Five changes to the Graduate Bulletin
- Ten new Graduate Certificates
- The new Professional Doctorate Degree at CSU

There are no major tracking items at this time.

The Chair of the committee was involved in the review of programs for PRSE designation, on the Committee for Honorary Doctorate and attended interviews of the three candidates for the position of Associate Dean of the Graduate School.

**COLORADO STATE UNIVERSITY COMMITTEE ON SCHOLASTIC STANDARDS  
Annual Report for September 2016 to June 2017**

**MEMBERSHIP 2016-2017**

Agricultural Sciences	Paul Ode
Health and Human Sciences	Karen Barrett
Business	Yolanda Saranson
Engineering	Ketul Popat
Liberal Arts	Jason Frazier
Natural Resources	George Wittemyer
Natural Sciences	Debbie Crans
Veterinary Medicine and Biomedical Sciences	Kristy Dowers
Libraries	Neyda Gilman FA16, Kristy Nowak SP17
Office of the Provost (ex officio)	Madlyn D'Andrea, Director, CASA

**I. MEETINGS & ATTENDANCE**

The Committee on Scholastic Standards met 9 times during the 2016-2017 academic year. Of these 9 meetings, 2 also included review of academic dismissal appeals.

09/28/16	Review of retroactive withdrawal requests Excused absences: Ketul Popat and Kristy Dowers
10/27/16	Review of retroactive withdrawal requests
12/07/16	Review of retroactive withdrawal requests Excused absences: Debbie Crans and Ketul Popat
01/09/17	Review of academic dismissal appeals and retroactive withdrawals Excused absence: Paul Ode
01/23/17	Review of retroactive withdrawals Excused absences: Paul Ode, Ketul Popat, George Wittemyer, Debbie Crans, Yolanda Saranson
02/22/17	Review of retroactive withdrawal requests Excused absences: Debbie Crans, Ketul Popat and Yolanda Saranson
03/29/17	Review of retroactive withdrawal requests Excused absences: Debbie Crans and Ketul Popat
04/26/17	Review of retroactive withdrawal requests Excused absences: Debbie Crans, Ketul Popat, Jason Frazier, Yolanda Saranson and George Wittemyer
05/31/17	Review of retroactive withdrawal requests Excused absences: Debbie Crans, Ketul Popat, George Wittemyer, Kristy Dowers, Paul Ode

**Note: While not optimal, several of the committee members reviewed appeal requests online before the committee meeting, when they were unable to attend the actual meetings due to short-term or extended travel.**

## II. Retroactive Withdrawal Requests 2016-2017 compared to previous years:

Outcomes	2016-17 (total 121)	%	2015-16 (total 144)	%	2014-15 (total 113)	%	2013-14 (total 93)	%
<b>Denied</b>	1	.8	10	7.0	19	16.8	7	7.5
<b>Granted</b>	66	54.5	100	69.4	76	67.3	70	75.3
<b>Not Yet Decided (Incomplete)</b>	35	28.9	1	.69	1	1	1	1.1
<b>Partially Granted &amp; Denied</b>	0	0	1	.69	2	1.8	2	2.2
<b>Partially Granted – Denied &amp; Tabled</b>	4	3.3	9	6.3	1	1	2	2.2
<b>Tabled</b>	15	12.4	23	16	14	12.4	11	11.8

## III. Academic Dismissal Appeal Decisions

	2016-17 (total 148)	%	2015-16 (total 133)	%	2014-15 (total 118)	%	2013-14 (total 122)	%
<b>Denied</b>	60	40.5	55	41.4	51	43.2	68	55.7
<b>Granted</b>	88	59.5	78	58.6	67	56.8	54	44.3

### A. Fall 2016

Original Appeals:

- 121 total appeals (vs. 91 in Fall 2015)
- 6 not eligible and not reviewed
- 14 earned a cumulative GPA of 2.0 or higher (did not need to be reviewed)

Of the 102 reviewed:

- 53 granted with an average 7.27 QPD (vs. 49 granted 2015 with average 7.04 QPD)
  - 18 received information about investigating a potential retroactive withdrawal
- 49 denied with an average 26.61 QPD (vs. 32 denied 2015 with average 25.65 QPD)
  - 14 received information about investigating a potential retroactive withdrawal

## **B. Spring 2017**

Original Appeals:

- 50 total appeals (vs. 57 in Spring 2016)
- 0 not eligible and not reviewed
- 4 earned a cumulative GPA of 2.0 or higher (did not need to be reviewed)

Of the 46 reviewed:

- 35 granted with an average 8.71 QPD (vs. 29 in 2016 with average 6.24 QPD)
  - 16 received information about investigating a potential retroactive withdrawal
- 11 were denied with an average 33.63 QPD (vs. 23 in 2015 with average 28.96 QPD)
  - 4 received information about investigating a potential retroactive withdrawal

## **Business**

Paul Ode was voted as the Vice Chair for 2016 – 2017, serving with Karen Barrett, Chair.

Karen met with the Chair of Faculty Council as well as the Chairs of the faculty committees, and, as Jason suggested, raised the need for faculty and students to be made aware of the importance of seeking services, such as Student Case Management and the Counseling Center, when student mental health issues compromise students' ability to succeed in their classes. He had noted that the majority of retroactive withdrawal requests revolve around mental health issues.

Karen reviewed policy guidelines regarding the extent to which financial issues can be taken into consideration when granting an appeal. The guidelines specify that simply needing to work more hours is not sufficient evidence that a retroactive withdrawal is warranted. However, guidelines do not preclude considering financial issues as an influence on the student's inability to perform in school and to withdraw from CSU. The committee decided that it was reasonable to consider financial issues as an influence on a student's ability to persist, for example when they contribute to mental health issues. In addition, in the guidelines, parents were not excluded from being a source of documentation. Such documentation will be considered when appropriate. The committee would also like to add information to the guidelines regarding special conditions that might need to be considered, such as the need for international students to be enrolled in order to qualify for their visa.



**COLORADO STATE UNIVERSITY – FACULTY COUNCIL  
STRATEGIC AND FINANCIAL PLANNING COMMITTEE  
ANNUAL REPORT, AY 2016-2017**

**Committee Members:**

George Barisas (Natural Sciences)

Stacey Baumgarn (CPC, *ex officio*, voting)Joseph DiVerdi (Non-Tenure Track Faculty, *ex-officio*, voting)

Daniel Draper (Libraries)

Laura Jensen ((Provost's Office, *ex officio*, non-voting)Katharine Leigh (*Chair*, Health and Human Sciences)Angela Nielson (Budget, *ex officio*, non-voting)

Hannah Pauly (Grad Student)

Gregory Perry (Agricultural Science)

John Ridley (Natural Resources)

Nathan Rhine\* (Undergrad Student)

Rob Schwebach (Business)

Charles Shackelford (Engineering)

John Straayer\* + Robert Duffy\*\* (Liberal Arts)

Mary Stromberger (Faculty Council, *ex officio*, non-voting)Toni-Lee Viney (APC, *ex officio*, voting)Beth Walker (Council of Deans, *ex officio*, non-voting)

Jeffrey Wilusz (Vet Med &amp; Biomed Sci)

\* Serving fall 2016

\*\* Serving Spring 2017

**Meetings and Participation:** The Committee on Strategic & Financial Planning (CoSFP) held eleven meetings during the academic year (generally 2<sup>nd</sup> and 4<sup>th</sup> Mondays of the month, 2:00-3:30pm, in Admin 106) with two meetings cancelled due to no items on the agenda; generally positions were filled with the exception of the graduate student representative. During fall semester, Nathan Rhine was no longer able to attend; during spring semester, Robert Duffy represented the College of Liberal Arts substituting for John Straayer due to teaching conflict. Details on attendance at specific meetings are documented in available meeting minutes. CoSFP Operating Procedures and Charge for AY 16-17 were approved by the committee at the November 14, 2016 and included corrections to address voting rights for the NTTF Committee representative and inclusion of a declaration of financial exigency which identified responsibilities of the CoSFP.

**Representation on University Committees:** The Chair participated and represented CoSFP interests at the Council of Deans, and Faculty Council meetings, as schedules permitted and represented the committee for the BARC assignment.

**Changes to the Proposal Review Process and Budget Form:** The Provost initiated changes to the proposal review process, collapsing Phase I and II reviews, and suggesting deadline dates for submission to the committee. This caused some proposals to resubmit for Phase II review if they had only been reviewed for Phase I. Comments and suggestions for changes to the budget form were also reviewed made by the Chair with the Graduate School Dean; all changes were posted to the Provost's web site including the new review process steps. The dates have not been posted but would be anticipated to be established beginning with reviews after spring 2017.

**Program Proposal Reviews:** Clarification regarding the potential for CSU to have Professional PhD degrees delayed a review of two programs while the proposal came under scrutiny by Faculty Council at the beginning of the year but has now been approved. CoSFP reviewed and recommended the following nine proposals for new degrees and programmatic changes:

PROGRAM	DATE OF RECOMMENDATION
▪ Bachelors of Arts in Women's Studies (Phase I and II)	18 August 2016
▪ Master of Science in Addictions Counseling (Plan C; Phase I and II)	19 October 2016
▪ Doctor of Philosophy in Watershed Science (Phase II)	6 January 2017
▪ Doctor of Philosophy in Anthropology (Phase II) <sup>1</sup>	19 January 2017
▪ Doctor of Philosophy in Materials Science Engineering (Phase II)	12 February 2017
▪ Master of Science in Material Science Engineering (Plan A and B; Phase II)	12 February 2017
▪ Doctor of Philosophy in Ecosystem Sustainability (Phase I and II)	24 April 2017
▪ Master of Science in Ecosystem Sustainability (Phase I and II)	24 April 2017
▪ Bachelor of Data Science (Phase II)	24 April 2017

<sup>1</sup> The BS in Anthropology not reviewed for Phase II; Provost's decision.

The committee reviewed each proposal from the perspective of strategic impact and financial planning and provided comments and recommendations to the Provost, Associate Provosts, Deans, Council of Deans, and Faculty Council. The committee has instituted a review of programs to examine degree of success over their 5 year projects, working with the Budget Office; without comprehensive information (e.g., holistic impact to the institution) members are unable to fully recommend certain actions to the Provost, President, or Faculty Council in good faith. This issue surfaced again when the v.3.0 of the Incremental Budget was reviewed with committee members for the E & G Budget. CoSFP only sees this budget and not others with which the University deals, for example, bond expenses; with CoSFP reviewing the Athletics budget as requests are indicated.

**Budget and Planning Process Issues:**

We began the year with Faculty Council reviewing the proposal to provide voting rights for the NTTF representative to Faculty Council as well as our committee (Sections C.2.1.9.3 and C2.1.9.5 of the ACADEMIC FACULTY AND ADMINISTRATIVE PROFESSIONAL MANUAL); this proposal was passed. Recommendations for updates to the Charge and Operating Procedures were delayed by a charge to the CoSFP unearthed by a member in Section E.16.2 of the ACADEMIC FACULTY AND ADMINISTRATIVE PROFESSIONAL MANUAL, Declaration of Financial Exigency. These responsibilities may require further exploration but were noted to the Faculty Council Governance Committee for inclusion in the CoSFP charge.

In March 2016, President Frank asked the leadership of Administrative Professional Council, Classified Personnel Council, Faculty Council, the Committee on Strategic and Financial Planning, and the University Benefits Committee to study a proposal to raise the minimum salary of full-time employees to \$30,000. The leadership team, along with Community Resource Coordinator Emma Chavez, Diana Prieto, Angie Nielsen, and Lynn Johnson, met four times and communicated over email over the last 7 months. CSU stakeholders from Housing and Dining, Facilities Management, and CVMBS were consulted, and the City of Fort Collins was advised of our work for potential collaborations in the future. Our work involved a detailed financial analysis by HR staff of the proposal costs (direct cost and cost of addressing compression), a presentation to directors and financial officers from Housing and Dining, Facilities Management, and CVMBS, drafting of recommendations, and finally the development of this report. This report summarizes the financial cost of the proposed plan, and presents the group's recommendations for moving forward. This report was shared with members of the Committee on Strategic and Financial Planning in their November 14<sup>th</sup> meeting and briefly discussed.

The committee chair received the BARC charge and review criteria from Dr. Miranda for 9 proposals for funding; the chair presented each of these at the BARC presentations in early January. The committee continues to support increased transparency as a positive step in the university's strategic and financial decision-making. However, improvements were suggested in the value system addressing reviewer bias, scoring, priorities, etc.

Committee members have actively monitored the progress of the Salary Equity Study; primary interests is focused on the impact the findings will have on salary exercises this year, whether training will be offered to chairs (and/or deans), and how the formula will play out over time. A discussion following the review of the budget focused on ideas about how the university might strategize improved funding for faculty salary to compete with peers. Two suggestions were to *report graduate enrollment in the incremental budget process*, and *tie graduate enrollment to faculty raises, taking a percentage of that tuition generated and allocating it to the salary pool*.

**Accomplishments:** The Committee continues to be a voice for mindfulness and oversight to Administration concerning the integration of strategic planning and budgeting initiatives with program reviews and expenditures, and the distribution of funds (e.g., 2-3-6, discretionary).

**Key Actions / Issues Addressed during AY16-17:**

- a) Discussion of overall fiscal accountability of all programs using the Academic Program Reviews Report and continued annual program progress tracking procedure through the Office of Budgets comparing the percent enrollment and revenue to the estimated budget submitted at the time of Phase II review.
- b) Voting privileges accorded to the representative of the Non-tenure Track Faculty Committee (*ex officio*).
- c) Continued monitoring of Salary Equity, Benefits, and Living Wage progress by campus administration.
- d) Transparency of the financial exigency responsibilities into the committee charge.
- e) Streamlining the financial form for clarity and ease of comprehension.
- f) Participation and feedback for the BARC process.

At its April 24<sup>th</sup> meeting, the committee voted electronically to re-elect Dr. Katharine Leigh as CoSFP Chair for the next academic year (AY 17-18).

**Continuing Issues for 2017–18:**

- 1) *Continue to participate in the strategic and budget planning processes to advocate for improved integration of the budgeting and strategic planning processes. Changes to the strategic planning process (e.g., Budget Form, BARC reviews, pre-program check in with Graduate Dean, Enrollment/Revenue Comparison to Phase II) developed provide an excellent and real time opportunity for the committee to achieve maximum impact.*
- 2) *Support continued momentum to effectively address the issue of the disparity of the CSU benefit package with our peer institutions with review to monitor impact of increases to the benefit package with regard to cost of living, peer institution benefits, etc.*
- 3) *Continue to evaluate strategic aspects of proposed new degree programs at both Undergraduate and Graduate level, and campus growth in general.*
- 4) *Continue to consider strategic and financial impacts of the University Strategic Plan (2016-2021).*
- 5) *Consider the role of CoSFP in the Program Review Process on campus to more effectively inform the committee of strategic and financial actions related to unit programmatic changes.*
- 6) *Continue to evaluate and support approaches maintaining the strategic edge of the university in research and graduate education in the face of declining federal research outlays and state support.*
- 7) *Provide input into continued strategic aspects of women's issues (parental leave, salary equity across gender).*
- 8) *Provide input into longer term university planning initiatives to ensure that CSU remains as effective and competitive as possible in the future (faculty salaries, financial impact of construction, enrollment growth, etc.).*
- 9) *Clarify and articulate key assessment points in the review by the committee regarding program plans and budgets impacting the University's mission and strategic plan.*
- 10) *Continue to monitor and support faculty and staff compensation strategies aimed at achieving salaries competitive with peers, and enable faculty and staff to reside in the Fort Collins and nearby communities.*
- 11) *Continue to input into strategic and financial issues of non-tenure track faculty on the campus. According voting rights to this member of the CoSFP was an important proposal before the BOG.*
- 12) *Continued engagement with the Provost and President regrading the balance of optimal enrollment growth and student tuition.*

**Committee on Teaching and Learning  
Annual Report  
2016-2017 Academic year**

**1. Committee Membership**

- a. Lumina Albert (COB), Shawn Archibeque (Vice-chair, COAS), Randall Boone (Secretary, WCNR), Dan Bush (VPFA, *ex officio*), Ben Clegg (CNS), Jody Donovan (Dean of Students, *ex officio*), Aparna Gollapudi (CLA), Gwen Gorzelsky (Director, TILT, *ex officio*), Matt Hickey (Chair, CHHS), Lindsay Lammers (Graduate Student Council), Kelly Long (VPUA, *ex officio*), Jenny McLean (CVMBS), Merinda McLure (University Libraries), Jenny Morse (Chair, Committee on Non-tenure Track Faculty), Julia Murphy & Andrea Russo (Registrar's Office, for D. Tobiassen Baitinger-*ex officio*), Mike Palmquist (Associate Provost for Instructional Innovation, *ex officio*), Tyler Siri (ASCSU), Mary Stromberger (Chair, Faculty Council, *ex officio*), Karan Venayagamoorthy (COE).

**2. Major CoTL Activities:**

- a. **Student Course Survey Redesign:** CoTL has been directly involved in the course survey redesign throughout the year. This includes a presentation on both the Student Course Survey Redesign and the Task Force Report on Teaching Effectiveness at the Fall Forum, presentations in the summer TILT workshop (one in 2016 and two in 2017), and regular direct interactions with the course survey redesign lead expert, Dr. Zinta Byrne. The CoTL chair has worked closely with Pat Burns, the VPRIT, ACNS, and others on reviewing demos for online platforms for delivery, and CoTL successfully presented a proposal to URTFAB to secure 100% of the funding for year one of delivery for a Qualtrics platform that will plug into Canvas.
- b. **Formal Recommendations on the institutional approach to course survey redesign:** In October, CoTL voted on formal recommendations to the course survey redesign that emphasized 3 core. Given the import, these are included verbatim here:
  - i. **The survey design itself.** As has been the emphasis throughout, we support efforts to develop a course survey that is evidence-based. The approach articulated to date; which combines a small common “core “ of survey questions and a flexible pool of questions that can be utilized to appropriately provide feedback appropriate that attends to meaningful differences between courses and instructors (e.g., face-to-face and online settings; lower-division, upper-division, and graduate courses, as noted in E.12.1 in the Faculty Manual) is appropriate, and CoTL supports efforts to this end.

- ii. **Survey delivery platform.** A flexible online delivery platform that can support an instructor's desire to seek feedback throughout the semester would best serve the aims of this redesign effort. We are aware that there are ongoing efforts to explore and test commercially available products and encourage continued efforts to find a viable platform. We note for the record our support that CSU investigate options for the development and licensing of a new/independent platform through the use of IT expertise among our faculty and staff. In terms of long-term fiscal stewardship, we believe that a product that CSU owns and can license is a better use of resources, and this option should be explored in detail.
- iii. **Appropriate use of course survey data.** The use of student course survey data has two distinct elements: *1). Internal use: The use by the faculty member in question.* The course survey data is best used by the faculty member/instructor in question to inform course design and their approach to the teaching-learning landscape both within and between semesters. This use of course survey data and the attendant written feedback from students can (and arguably should) be incorporated into reflective statements on teaching and/or the developing teaching portfolio as a substantive component to the broad "evidence teaching effectiveness" in accord with the recommendations from the Task Force on Teaching Effectiveness. Specifically, this Task Force Report notes: "*As we emphasize throughout this report, rigorous evaluation of teaching effectiveness cannot rely simply on single outcomes or single "data points" (the common practice of relying on student course evaluations alone, for example, is wholly inappropriate, both as a direct method of assessment and as a lone method of evaluating teaching effectiveness); additional measures of teaching effectiveness must be used. As noted below, meaningful evaluations can include methods as wide ranging as peer review of teaching portfolios, peer observation of classroom instruction, peer mentoring, instructor application of research-based techniques, reflection on available evidence of teaching effectiveness*

(including course survey responses), and the use of those reflections to improve course design and instructional delivery." 2). **External use: The use of student course survey data by unit heads, T&P committees, etc.** As noted in the Task Force report quoted above, rigorous evaluation of teaching effectiveness cannot rely simply on single outcomes or single "data points", and this includes the use of a student course survey (either *en toto* or a single mean from one response on the survey) as the sole metric for teaching effectiveness. As noted in both the Task Force Report on Teaching Effectiveness and in the Faculty Manual section E.12.1 on Teaching and Advising, multiple sources of information are necessary to evaluate teaching. The use of student course survey "means", particularly single items means, to compare *between faculty* as a judgment of teaching effectiveness ignores the important issues noted in both the Task Force report and E.12.1 that address meaningful differences in context. We note the language in E.12.1, which states: "*Evaluation of teaching effectiveness should take into account the physical and curricular context in which teaching occurs (e.g., face-to-face and online settings; lower-division, upper-division, and graduate courses), established content standards and expectations, and the faculty member's teaching assignments, in particular the type and level of courses taught.*" The simple comparison of faculty of the basis of single item means that does not attend to these contextual differences ignores the teaching-learning landscape.

- c. **Revisions to Faculty Manual Language on teaching effectiveness and use of student course survey data:** CoTL drafted and shared revisions to the faculty manual (sections I.8 and E.12.1) that pertain to the student course survey (I.8) and Teaching and Advising (E.12.1). These were discussed with Faculty Council Executive Committee in November, and some revisions (and a formal linkage to progress on the revisions to the course evaluation) were suggested.
- d. **CoNTTF Action Plan:** CoTL discussed the work of the Committee on Non-tenure-track faculty. A memo in support of the efforts of this committee was voted on and approved, and shared with CoNTTF.

- e. **Task Force on Proctoring:** CoTL met with the authors of the Task Force on Proctoring. CoTL forwarded to Faculty Council a recommendation in support of the task force report. The CoTL recommendation proposes that Faculty Council Executive Committee endorse the university-wide adoption and funding of a cost-effective, secure online proctoring system.
- f. **Learning Analytics:** CoTL had several lengthy discussions with Dr. James Folkestad from C-ALT on issues related to institutional policy on the ethics of learning analytics. CoTL has charged a working group (chaired by Dr. Folkestad) to meet and propose policy for consideration by CoTL, Faculty Council, and relevant stakeholders.

### 3. Other CoTL Activities:

- a. **Unizin:** CoTL has been represented at national UNIZIN meetings by Dr. Gwen Gorzelsky, the Executive Director of TILT, and an *ex officio* member of CoTL. An aim of CoTL for the 2017-2018 AY is to nominate a representative from CoTL membership as a faculty representative to Unizin.
- b. **Pre-PASS, PASS, and ACUA Committees:** Matt Hickey represented CoTL on these committees during AY16-17.
- c. **SSI2:** Matt Hickey represents CoTL on the Student Success Initiatives Phase 2 (SSI2). Matt Hickey chairs an action team in SSI2 oriented toward “Success in Foundational Courses”; this action team has representatives from Math, English, Communication Studies, CNS Dean’s office, and student affairs.
- d. **Ethics Colloquium Series (Provost’s Office):** CoTL is represented on the planning committee for the newly developed Ethics Colloquium Series (Lumina Albert, Gwen Gorzelsky, Matt Hickey).
- e. CoTL is represented on the selection committees for the Board of Governors Excellence in Undergraduate Teaching Award and the University Distinguished Teaching Scholar designation.

## Committee on University Programs

### 2016-2017 Annual Report

Dr. Eric Prince (Chair, CUP)  
5/17/2017

#### Committee Members

Agricultural Sciences	Tanja Hess
Health and Human Sciences	Thorsten Rudroff
Business	Tian Wang
Engineering	Jeff Collett
Liberal Arts	Eric Prince ( <i>chair</i> )
Natural Resources	Stuart Cottrell
Natural Sciences	Anireddy Reddy
Veterinary Medicine and Biomedical Sciences	Mo Salman
University Libraries	Patricia Rettig
Student Representative (Undergraduate)	(TBD)
Student Representative (Graduate)	Alistair Cook
Office of the Vice President for Research (non-voting ex officio)	Hank Gardner, Associate Vice President for Research
Faculty Council Chair (non-voting ex officio)	Mary Stromberger

The Committee on University Programs is responsible for reviewing applications and for oversight of all registered Centers, Institutes, and Other Special Units (CIOSUs) on a biennial basis. Each Administrative Director of each CIOSU selected for biennial review submits a brief report of its activities and accomplishments. Copies of all biennial reports are kept in the Office of the Vice President for Research, who is responsible for maintaining the updated list of all CIOSUs.

Committee business was primarily conducted online by email and document exchange throughout the year.

A meeting of CUP was convened November 17 2016 to review progress and update members on issues as well as to assign Centers, Institutes, and Other Special Units for the biennial cycle review.

#### New CIOSUs

The Committee on University Programs reviewed 35 Centers, Institutes, and Other Special Units (CIOSUs) as part of the biennial review oversight process for CIOSUs for 2016-17.



The CUP recommendations to Faculty Council were to approve as follows:

**New CIOSUs**

The Earth System Modeling and Education Institute (COE\_ ESMEI)  
 The Regional Economic Development Institute at CSU (CLA\_ REDI@CSU)

**CIOSUs Consolidated, Discontinued or Denied Approval**

The following CIOSUs were reported discontinued :

COE - IAC                      Industrial Assessment Center  
 CLA – ISLEC                 Institute of Society, Landscape, and Ecosystem Change  
 CLA – GR Center            International Center for German-Russian Studies  
 CVMBS – VDL                Veterinary Diagnostic Laboratories

The following CIOSUs were reported as deferred to 2017-18 to accommodate reorganization/replacement plans:

CVMBS – CEM                Center for Environmental Medicine  
 CVMBS – APHI              Animal Population Health Institute  
 CHHS – HSAP                Human Services Assessment Project

The Committee on University Programs denied approval for a CSU Photovoltaics Center. (The application did not offer sufficient data to meet the criteria for a new CIOSU).

**Continuing CIOSUs:**

The 35 Centers, Institutes, and Other Special Units listed as follows, were reviewed by the Committee on University Programs, recommended for continuance by the Committee on University Programs, and approved by Faculty Council.

<b>College of Business</b>	
<b>CIOSU</b>	<b>Centers and Institutes</b>
COB_CMSI	Center for Marketing and Social Issues
	<b>College of Engineering</b>
<b>COISU</b>	<b>Centers and Institutes</b>
COE_CSITS	Center for Sustainable and Intelligent Transportation Systems
COE_SBDC	Sustainable Bioenergy Development Center
	<b>College of Health and Human Sciences</b>
<b>CIOSU</b>	<b>Centers and Institutes</b>
CHHS_ATRC	Assistive Technology Resource Center
CHHS_CCP	Center for Community Partnerships

CHHS_ECC	Early Childhood Center
	<b>College of Liberal Arts</b>
<b>CIOU</b>	<b>Centers and Institutes</b>
CLA_CFAT	Center for Fair and Alternative Trade
CLA_CLP	Center for Literary Publishing
CLA_CPD	Center for Public Deliberation
	<b>College of Natural Sciences</b>
<b>CIOU</b>	<b>Centers and Institutes</b>
CNS_CSUMAP	Center for Sustainable Monomers and Polymers
CNS_CIF	Central Instrument Facility
CNS_EOC	College of Natural Sciences Education and Outreach Center
CNS_FMIAC	Florescence Microscopy/Image Analysis Center
CNS_GRAYBILL	Franklin A. Graybill Statistical Laboratory
CNS_MMAML	Magnetic Materials and Applied Magnetics Laboratory
CNS_SAL	Software Assurance Laboratory
CNS_TEC	Tri-Ethnic for Prevention Research
	<b>College of Veterinary Medicine and Biomedical Sciences</b>
<b>CIOU</b>	<b>Centers and Institutes</b>
CVMBS_ARBL	Animal Reproduction and Biotechnology Laboratory
CVMBS_AIDL	Arthropod-Borne and Infectious Diseases Laboratory
CVMBS_ORC	Orthopaedic Research Center
CVMBS_PRC	Prion Research Center
CVMBS_CCAS	Center for Companion Animal Studies
	<b>Warner College of Natural Resources</b>
<b>CIOU</b>	<b>Centers and Institutes</b>
WCNR_AIRIE	Applied Isotope Research for Industry and the Environment
WCNR_CEMML	Center for Environmental Management of Military Lands
WCNR_CPAMT	Center for Protected Area Management and Training
WCNR_CRU	Colorado Cooperative Fish and Wildlife Research Unit
WCNR_CFRI	Colorado Forest Restoration Institute
WCNR_CNHP	Colorado Natural Heritage Program
WCNR_ELC	Environmental Learning Center
WCNR_GDPE	Graduate Degree Program in Ecology
WCNR_LFL	Larval Fish Laboratory
WCNR_NREL	Natural Resource Ecology Laboratory
	<b>Office of the Provost and Executive Vice President</b>
<b>CIOU</b>	<b>Centers and Institutes</b>
Provost_CWI	Colorado Water Resources Research Institute
Provost_SOGES	School of Global Environmental Sustainability
	<b>Division of Continuing Education</b>

CIOSU	Centers and Institutes
DCE_OLLI	Osher Lifelong Learning Institute at CSU

# UNIVERSITY CURRICULUM COMMITTEE

## Annual Report for 2016-2017

(July 1, 2016 through May 5, 2017)

<b>Members</b>	<b>Present</b>	<b>Substitute/Excused</b>
Brad Goetz, Agricultural Sciences	28	0
Paul Mallette, Business	23	5
Brad Reisfeld, Engineering	24	4
Carole Makela, Health and Human Sciences (Chair)	28	0
Mike Hogan, Liberal Arts	23	5
Sally Sutton, Natural Resources	28	0
Ed DeLosh, Natural Sciences	26	2
Howard Ramsdell, Veterinary Medicine and Biomedical Sciences	27	1
Beth Oehlerts, University Libraries	23	5
Kevin Jablonski, Graduate representative	22	6
Undergraduate Representative	5	-
Kelly Long, Vice Provost for Undergraduate Affairs (ex officio)	21	7
Shelly Ellerby, Curriculum Liaison Specialist	26	2
Kayleen Allen, Curriculum and Catalog Assistant	25	2

### 1) Transmitted to the Faculty Council as special action items:

#### New Degrees

- Master of Addiction Counseling (M.A.C.), Plan C – Department of Psychology (11/11/16)
- M.S. in Materials Science and Engineering, Plan A – College of Natural Sciences (3/3/17)
- M.S. in Materials Science and Engineering, Plan B – College of Natural Sciences (3/3/17)
- Ph.D. in Materials Science and Engineering – College of Natural Sciences (3/3/17)
- Ph.D. in Anthropology – Department of Anthropology (3/24/17)
- B.A. in Women's and Gender Studies – Department of Ethnic Studies (3/24/17)
- Ph.D. in Watershed Science – Department of Ecosystem Science & Sustainability (4/28/17)

### 2) Other major actions submitted to Faculty Council through the minutes:

#### New Specializations

- Master of Accountancy (M.Acc.), Plan C – Department of Accounting
  - Financial Analysis, Auditing, and Reporting Specialization (9/9/16)
  - Data Analytics and Systems Specialization (10/14/16)
- Music Education-Composition Specialization under the Master of Music (M.M.) – Department of Music, Theatre, and Dance (3/31/17)

**New Concentrations**

- Mathematical Statistics Concentration under the B.S. in Statistics – Department of Statistics (11/4/16)
- Integrated Visual Studies Concentration under the B.A. in Art – Department of Art and Art History (2/24/17)

**New Minors**

- Interdisciplinary Minor in Sustainable Energy – Department of Global Environmental Sustainability (2/3/17)
- Minor in Environmental and Natural Resource Economics – Department of Agricultural and Resource Economics (3/10/17)
- Interdisciplinary Minor in Food Industry Management – Department Agricultural and Resource Economics (4/14/17)

**New Graduate Certificates**

- Organizational Development – Department of Psychology (9/9/16)
- Performance Management – Department of Psychology (9/9/16)
- Adult Basic Education – School of Education (10/14/16)
- Sustainable Military Lands Management – Center for Environmental Management of Military Lands (10/14/16)
- High Impact On-Demand Learning Solutions – School of Education (11/11/16)
- Conservation Actions with Lands, Animals, and People – Department of Fish, Wildlife, and Conservation Biology (1/20/17)
- Business Analytics and Accounting Systems – Department of Computer Information Systems (1/20/17)
- Adventure Tourism – Department of Human Dimensions of Natural Resources (1/20/17)
- Facilitating Adult Learning – School of Education (3/3/17)
- TESOL Education – Department of English (3/3/17)
- Agritourism Management – Department of Human Dimensions of Natural Resources (3/3/17)
- Nutrition Sciences – Department of Food Science and Human Nutrition (3/10/17)
- Teaching in Extension – Department of Agricultural and Resource Economics (4/14/17)

**New Undergraduate Certificates**

- Certificate in Beef Feedlot Management – Department of Animal Sciences (9/2/16)
- Certificate in Beef Production Systems – Department of Animal Sciences (9/2/16)
- Certificate in Ethics and Society – Department of Philosophy (10/7/16)
- Certificate in World Philosophies and Religions – Department of Philosophy (10/7/16)

**Title Changes**

- Minor in General Philosophy *to* Minor in Philosophy – Department of Philosophy (10/7/16)
- ‘Standalone’ Major in Statistics *to* General Statistics Concentration under the B.S. in Statistics – Department of Statistics (11/4/16)
- Minor in Agricultural and Resource Economics *to* Minor in Agricultural Business – Department of Agricultural and Resource Economics (2/3/17)

- Rangeland Ecosystems Specialization *to* Rangeland Ecology and Management Specialization under the Master of Natural Resources Stewardship (M.N.R.S.), Plan C – Department of Forest and Rangeland Stewardship (2/3/17)
- ‘Standalone’ Major in Computer Science *to* Computer Science Concentration under the B.S. in Computer Science – Department Computer Science (4/7/17)
- Human-Centered Computing Concentration *moved* from under the B.S. in Applied Computing Technology *to* under the B.S. in Computer Science – Department Computer Science (4/7/17)
- Master of Agricultural Extension Education (M.A.E.E.), Plan C *to* Master of Extension Education (M.Ext.Ed.), Plan C – College of Agricultural Sciences (4/14/17)

### **Deactivated Programs**

- B.S. in Natural Resource Recreation & Tourism – Department of Human Dimensions of Natural Resources (8/2/16)
  - Environmental Communication Concentration (8/2/16)
  - Parks & Protected Area Management Concentration (8/26/16)
- Conservation Leadership Specialization under the M.S. in Human Dimensions of Natural Resources – Department of Human Dimensions of Natural Resources (9/9/16)
- Minor in Religious Studies – Department of Philosophy (10/7/16)
- Biomass Biofuels Concentration under the B.S. in Soil and Crop and Sciences– Department of Soil and Crop Sciences (10/7/16)
- Sustainable Military Lands Management Specialization under the Master of Natural Resources Stewardship (M.N.R.S.), Plan C – Department of Forest & Rangeland Stewardship (10/14/16)
- Certificate in Real Estate Practices – Department of Finance and Real Estate (2/3/17)
- Soil, Land Uses, and Climate Change Concentration under the B.S. in Soil and Crop Sciences – Department of Soil and Crop Sciences (3/24/17)
- Exercise Science and Nutrition Specialization under the M.S. in Health and Exercise Science, Plan A – Department of Health and Exercise Science (5/5/17)
- Nutrition and Exercise Science Specialization under the M.S. in Food Science and Nutrition, Plan A – Department of Food Science and Human Nutrition (5/5/17)
- Nutrition and Exercise Science Specialization under the M.S. in Food Science and Nutrition, Plan B – Department of Food Science and Human Nutrition (5/5/17)

### **Division of Continuing Education Distance Degree Program Codes and Site Codes**

- Master of Natural Resources Stewardship (M.N.R.S), Plan C, Forest Science Specialization – Department of Forest & Rangeland Stewardship (2/3/17)
- Master of Business Administration (M.B.A.), SRH-Heidelberg University – College of Business (3/24/17)

### **New Subject Code**

Add “DSCI – Data Science” – College of Natural Sciences (2/17/17)

### **CIP Code Changes** (Updated administratively – not submitted through UCC or FC minutes)

- B.S. in Nutrition and Food Science (NAFS) from 190504 to 301901 – Department of Food Science and Human Nutrition (2/16/17)
- M.S. and Ph.D. in Food Science and Nutrition (FSAN) from 190501 to 301901 – Department of Food Science and Human Nutrition (2/16/17)

**New AUCC Courses** (not considered for gtPathways per CDHE changes in progress – may be considered and submitted for gtPathways later)

- Category 3A: Biological and Physical Sciences
  - **GEOL 110:** Introduction to Geology-Parks and Monuments (3A designation added to existing course 4/28/2017)
  - **GEOL 150:** Physical Geology for Scientists and Engineers (3A designation added to existing course 11/11/2016)
- Category 3B: Biological and Physical Sciences
  - **ART 200:** Media Arts in Context (new course approved 2/24/2017)
  - **E 236:** Short Fiction (new course approved 9/2/2016)
  - **LAND 110:** Introduction to Landscape Architecture (3B designation added to existing course 1/27/2017)
  - **MU 110:** Music and Technology (new course approved 1/20/2017)
- Category 3C: Social and Behavioral Sciences
  - **WS 200:** Introduction to Women's Studies (3C designation added to existing course 1/20/2017)
- Category 3D: Historical Perspectives
  - **HIST 201:** Seminar-Approaches to History (new course approved 9/30/2016)
- Category 3E: Global and Cultural Awareness
  - **INST 200:** Interdisciplinary Approaches to Globalization (3E designation added to existing course 9/9/2016)
  - **MU 132:** Exploring World Music (new course approved 1/20/2017)

**Guaranteed Transfer (GT) Pathways Courses** – Resubmissions reviewed by UCC to verify compliance with mandated CDHE content criteria and competencies

- Written Communication – Introductory Writing Course (GT-CO1)
  - **CO 130:** Academic Writing (3/24/2017)
- Written Communication – Intermediate Writing Course (GT-CO2)
  - **CO 150:** College Composition (3/10/2017)
- Written Communication – Advanced Writing Course (GT-CO3)
  - **CO 300:** Writing Arguments (3/10/2017)
  - **CO 301A:** Writing in the Disciplines: Arts and Humanities (3/10/2017)
  - **CO 301B:** Writing in the Disciplines: Sciences (3/10/2017)
  - **CO 301C:** Writing in the Disciplines: Social Sciences (3/10/2017)
  - **CO 301D:** Writing in the Disciplines: Education (3/10/2017)
  - **CO 302:** Writing in Digital Environments (3/10/2017)
- Mathematics (GT-MA1)
  - **MATH 101:** Math in the Social Sciences (5/5/2017)
  - **MATH 117:** College Algebra in Context I (5/5/2017)
  - **MATH 118:** College Algebra in Context II (5/5/2017)
  - **MATH 124:** Logarithmic and Exponential Functions (5/5/2017)
  - **MATH 125:** Numerical Trigonometry (5/5/2017)
  - **MATH 126:** Analytic Trigonometry (5/5/2017)
  - **MATH 141:** Mathematical Algorithms in Matlab I (5/5/2017)
  - **MATH 155:** Calculus for Biological Scientists I (5/5/2017)
  - **MATH 157:** One Year Calculus IA (5/5/2017)
  - **MATH 159:** One Year Calculus IB (5/5/2017)
  - **MATH 160:** Calculus for Physical Scientists I (5/5/2017)
  - **MATH 161:** Calculus for Physical Scientists II (5/5/2017)

### 3) Processed the following course proposals:

College	Experimental	New	Major	Minor	Study Abroad*	Drop	Total	Change from 15-16
Agricultural Sciences	4	21	5	7	1	11	<b>49</b>	+19
Business	1	2	9	9	0	5	<b>26</b>	-1
Engineering	21	14	11	33	1	35	<b>115</b>	+52
Health and Human Sciences	4	17	30	8	3	12	<b>74</b>	-2
Intra-university	3	12	4	0	1	0	<b>20</b>	+2
Liberal Arts	22	55	54	38	7	2	<b>178</b>	+25
Warner Natural Resources	7	17	18	10	1	0	<b>53</b>	+18
Natural Sciences	15	42	57	17	3	2	<b>136</b>	+53
Veterinary Medicine and Biomedical Sciences	6	11	7	0	0	0	<b>24</b>	Same
<b>Total</b>	<b>83</b>	<b>191</b>	<b>195</b>	<b>122</b>	<b>17</b>	<b>67</b>	<b>675</b>	<b>+166</b>
<i>Change from previous year</i>	+30	+1	+57	+29	+17	+32	<b>+166</b>	

\*New Category (previously split between 'New' and 'Major' categories)

### 4) Processed the following program proposals:

College	New*	UG Certs	Grad Certs	Major Change	Drop	Name Change	Minor Change	Total	Change from 15-16
Agricultural Sciences	1	2	1	6	1	2	0	<b>13</b>	+8
Business	2	0	1	15	1	0	1	<b>20</b>	+11
Engineering	0	0	0	4	0	0	2	<b>6</b>	-12
Health and Human Sciences	1	0	4	8	3	0	0	<b>16</b>	-3
Intra-university	1	0	0	2	0	0	3	<b>6</b>	-11
Liberal Arts	4	2	1	25	1	1	0	<b>34</b>	-4
Warner Natural Resources	2	0	4	5	5	1	0	<b>17</b>	+8
Natural Sciences	4	0	2	18	0	3	2	<b>29</b>	+7
Veterinary Medicine and Biomedical Sciences	0	0	0	10	0	0	7	<b>17</b>	+13
<b>Total</b>	<b>15</b>	<b>4</b>	<b>13</b>	<b>93</b>	<b>11</b>	<b>7</b>	<b>15</b>	<b>158</b>	<b>+17</b>
<i>Change from previous year</i>	+5	-2	-6	-9	+8	+6	+15	<b>+17</b>	

\*Includes new degrees, specializations, concentrations, and minors.



**UNIVERSITY BENEFITS COMMITTEE**  
**Annual Report - for August 1, 2016 to – May 31, 2017**

**TO:** Lynn Johnson, Vice President of University Operations  
 Diana Prieto, Executive Director and Chief Human Resource Officer  
 Mary Stromberger, Chair Faculty Council  
 Toni-Lee Viney, Chair APC

**From UBC Members:**

Administrative Professionals:

- Jennifer Bissell – (Chair), Registrar’s Office
- Lynn Borngrebe – (Vice Chair), Office of International Programs
- Allison Dineen – College of Business, Office of the Dean – exited committee early spring
- Tanya Buchan – (Secretary) TILT

Faculty:

- Patricia Stutz-Tanenbaum – Department of Occupational Therapy
- Hong Miao – College of Business
- Kimberly Henry – Department of Psychology
- Bolivar Senior – Department of Construction Management

Retiree:

- Oren Anderson – Emeritus Professor and Emeritus Chair, Department of Chemistry

Meetings were held on the 2<sup>nd</sup> Thursday of the month.

2015-2016 Substantive Matters

1. Committee Organization and Structure
  - a. At the end of the year learned more about history of committee. Working on documenting that information.
  - b. Discussed a plan to work out during the next academic year on establishing a budget for the UBC.
  - c. Worked with Faculty Council (FC) on process for nominating new faculty members, discussed idea of NTTF as permanent voting member on UBC. Will continue work with FC (and APC if needed) next academic year on UBC membership.
  - d. HR providing moneys for 1 year of hosting and UBC website update to fix issues and make future web site maintenance more streamlined.
2. Academic Privileges
  - a. No work done, however discussed reviewing the academic privileges in 2017-2018 Academic year
3. Group Insurance
  - a. UBC agreed with Administrative solution to assist with increasing health insurance premiums. CSU changed the Cost Share medical plan funding and increased from 75% to 76% financial assistance with employee+ premiums. \*\*UBC did make statement that

were against this change if it prevent the final .5% increase in CSU contribution to retirement savings.

4. Leave
  - a. Worked on updating ubc.colostate.edu website to align with updated policies.
5. Retirement
  - a. UBC proposed change to the medical premium benefit for eligible DCP employees

10/13/2016 - Medical Benefit Proposal sent to Diana Prieto, Mary Strongberger, Toni-Lee Viney

**Recommendation for the Subsidy for PERA Retirees Under 65**

No change is needed. Retirees in this group with more than 10 years of service already receive a premium subsidy of their out of pocket health insurance expenses that can be as high (depending on their choice of PERACare plan) as the current premium for CSU's Green Plan. Indexing to the Green Plan premium should continue.

**Recommendation for the Subsidy for PERA Retirees Eligible for Medicare**

The current PERA subsidy plan should be continued. CSU should extend that plan to provide a subsidy for other out of pocket health insurance costs for this group, such as the Medicare Part B premium. The maximum subsidy provided should be capped at and indexed to the level of the Green Plan premium.

**Recommendation for the Subsidy for DCP Retirees**

The fixed subsidy of \$200/month for employees with 20 years of service should be replaced by a subsidy for out of pocket expenses for health insurance up to a maximum that is capped at and indexed to the Green Plan premium. Furthermore, this level of benefit should be extended to retirees with 10 or more years of service.

**Recommendation for the Subsidy of the Umbrella Rx Plan**

For PERA retirees with appropriate length of service, the university offers a 100% subsidy of premiums to the Umbrella Rx plan, which covers expenses for prescription drugs that exceed the Medicare Part D coverage offered under PERACare. This subsidy should be continued.

No such benefit is available to DCP retirees. The university should extend a similar Umbrella Rx insurance benefit to DCP retirees with comparable lengths of service.

APC and FC both agreed with initial proposal. Faculty Council requested a study be done on cost of implementation so a plan could be created on how to bring proposal to fruition. Human Resources has been working with actuaries to determine cost of study.

- b. UBC recommended that no changes be made to the current "parking" benefits for eligible retirees and employees with 30+ year service.

3/13/17 – Parking Benefit Proposal sent to Lynn Johnson

**UBC Feedback on Parking Permit "Benefits" Proposal**

Both benefits impact about 1100 employees currently using the programs. The new proposals could be seen very negatively by CSU employees who have given a lot of support over the years to the university. Data gathered on retired faculty and AP staff over a five-year period ending in 2014 showed monetary contributions of ~\$2.2 million to the university during that time (\$440,000 annually). Recent numbers obtained by the UBC show that 224 active employees who are in the 30+ years of service group have contributed ~\$3.4 million to the university (\$15,178 per employee).

**UBC Recommendation:**

Because of the continued contributions of time and money by the CSU retirees, the UBC recommends that the Retiree Permit Program remain as is.

**UBC recommendation:**

We recommend a change in the proposal where this program provides permits for distance lots for free to those eligible and allows employees to pay the difference for A-lot permits.

We also recommend that this Program be renamed to Earned Service Award Permit (or something similar) to clarify that this is a milestone award for employees who have worked at CSU for 30 or more years. The UBC recommends avoiding tying the cost of permits for this award to a salary range as that salary range will have to be reviewed every 2-5 years; a salary range minimizes the significance of the award.

#### 6. Living Wage Proposal

- a. The UBC had been asked to provide input on the Living Wage Proposal. The UBC chair was involved in the discussions. UBC chair sent document to committee on State and Federal services available to lower income individuals and families to have an understand of possible impact of proposed wage increase. For those that would be brought the wage of \$30,000 the impact would in most cases be nonexistent – preventing the “Cliff Effect” due to salary changes. For employees that may receive salary increases to prevent compression, it is possible that the “Cliff Effect” could be an issue. The Living Wage Committee submitted final proposal to Administration.

#### 2017-2018 Agenda Items

1. Review committee structure and processes along with Bylaws to ensure are in line with other university policies.
2. Continue work to implement the change in the Medical Retirement Benefit for DCP employees.
3. Possibly review Academic Privileges.

#### Exiting Committee:

- Hong Miao
- Allison Dineen
- Jennifer Bissell (will sit on committee for 2017-2018 year as non-officio member)

#### Joining Committee:

- Cathi Cropp – APC (CSU Health Network)
- Linn Barrett – APC (CIRA)
- Faculty - TBD

#### 2017-2018 Officers:

Lynn Borngrebe – Chair  
 Vice Chair - TBD  
 Secretary - TBD

MEMORANDUM

DATE: September 5, 2017  
TO: Faculty Council Voting Members  
FROM: Tim Gallagher, Chair, Faculty Council  
SUBJECT: Confirmation of the Appointment of Faculty Council Secretary – Rita Knoll

Tim Gallagher, Chair, Faculty Council, MOVES THAT FACULTY COUNCIL CONFIRM THE APPOINTMENT OF RITA KNOLL AS THE FACULTY COUNCIL SECRETARY BEGINNING JULY 1, 2017 AND ENDING JUNE 30, 2018.

Rationale:

According to the *Academic Faculty and Administrative Professional Manual*, Section C.2.1.3.4 Appointed Positions, the Faculty Council secretary's appointment is to be confirmed by the Faculty Council at the first meeting of each Fall semester.

MEMORANDUM

DATE: September 5, 2017  
TO: Faculty Council Voting Members  
FROM: Tim Gallagher, Chair, Faculty Council  
SUBJECT: Confirmation of the Appointment of Faculty Council Registered Professional Parliamentarian – Lola Fehr

Tim Gallagher, Chair, Faculty Council, MOVES THAT FACULTY COUNCIL CONFIRM THE APPOINTMENT OF LOLA FEHR AS THE FACULTY COUNCIL REGISTERED PROFESSIONAL PARLIAMENTARIAN BEGINNING JULY 1, 2017 AND ENDING JUNE 30, 2018.

Rationale:

According to the *Academic Faculty and Administrative Professional Manual*, Section C.2.1.3.4 Appointed Positions, the Faculty Council parliamentarian's appointment is to be confirmed by the Faculty Council at the first meeting of each Fall semester.

## UNIVERSITY CURRICULUM COMMITTEE MINUTES

A regular meeting of the University Curriculum Committee was held on **August 18, 2017** at 2:00 p.m.

The meeting adjourned at 4:00 p.m.

**Minutes**

The minutes of May 5, 2017 were approved electronically on May 8, 2017.

**Consent Agenda**

Approved.

***Please note:*** Approved 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 below.

New Courses			
Course #	Course Title	Notes	Effective Term
<a href="#">HORT 521</a>	Horticulture and Human Health and Well-Being		Fall 2018
<a href="#">LGER 251</a>	The Holocaust in Literature and Film	AUCC 3B: Arts & Humanities	Spring 2018
<a href="#">LSPA 343</a>	Spanish Terminology-Animal Health/Agriculture		Fall 2018
Major Changes to Courses			
Course #	Course Title	Notes/Changes	Effective Term
<a href="#">ART 312</a>	<del>History of</del> Pre-Columbian Art <a href="#">of Mesoamerica</a>	Title, course description, offering year, offering term	Spring 2018
<a href="#">CBE 201</a>	Material and Energy Balances	Adding online format, grade mode	Spring 2018
<a href="#">CON 317</a>	Safety Management	Course description, adding restriction statement	Spring 2018
<a href="#">CON 366</a>	Construction Equipment and Methods	Course description, prerequisite, adding restriction statement	Spring 2018
<a href="#">E 311A</a>	Intermediate Creative Writing	Prerequisite, adding online offering, Schedule Type/Credit Distribution	Spring 2018
<a href="#">E 311B</a>	Intermediate Creative Writing: Poetry	Prerequisite, adding online offering, Schedule Type/Credit Distribution	Spring 2018
<a href="#">E 412A</a>	Creative Writing Workshop: Fiction	Prerequisite, adding online offering, Schedule Type/Credit Distribution	Spring 2018
<a href="#">E 412B</a>	Creative Writing Workshop: Poetry	Prerequisite, adding online offering, grade mode, Schedule Type/Credit Distribution	Spring 2018
<a href="#">E 412C</a>	Creative Writing Workshop: Nonfiction	Prerequisite, adding online offering, grade mode, Schedule Type/Credit Distribution	Spring 2018
<a href="#">FIN 470</a>	<a href="#">Derivative Securities</a> <del>Financial Risk Management</del>	Title, course description, adding restriction statement	Spring 2018
<a href="#">LSPA 300</a>	Reading and Writing for Communication-Spanish	Offering term, adding online offering	Spring 2018
<a href="#">LSPA 346</a>	Spanish for Health Care	Offering term, adding online offering	Spring 2018
<a href="#">MLSC 101</a>	<a href="#">Introduction to the Army Leadership and Personal Development</a>	Title, course description	Spring 2018
<a href="#">MLSC 102</a>	<a href="#">Foundations of Agile and Adaptive Leadership</a> <del>Introduction to Tactical Leadership</del>	Title, course description	Spring 2018
<a href="#">MLSC 201</a>	<a href="#">Leadership and Decision Making</a> <del>Innovative Team Leadership</del>	Title, course description	Spring 2018
<a href="#">MLSC 202</a>	<a href="#">Army Doctrine Team Development</a> <del>Foundations of Tactical Leadership</del>	Title, course description, prerequisite	Spring 2018

<a href="#">MLSC 401</a>	<a href="#">The Army Officer</a> <del>Developing Adaptive Leaders-</del>	Title, course description	Spring 2018
<a href="#">MLSC 402</a>	<a href="#">Company Grade Leadership</a> <del>Leadership in a Complex World-</del>	Title, course description, prerequisite	Spring 2018
<a href="#">MU 535</a>	<a href="#">Music of the Twentieth Century</a> <del>Contemporary Music-</del>	Title, course description, prerequisite	Spring 2018

### **CONSENT AGENDA**

#### **Experimental Courses – 1<sup>st</sup> Offering (Approved by UCC Chair in CIM on behalf of UCC during the Summer)**

<b>Course #</b>	<b>Course Title</b>	<b>Effective Term</b>
<a href="#">AGRI 181A1</a>	Contemporary Agricultural Systems	Fall 2017
<a href="#">BSPM 581A2</a>	Plant Biochemistry in Agriculture	Fall 2017
<a href="#">CIVE 480A3</a>	Air Quality Engineering	Fall 2017
<a href="#">ESS 181A1 / ANTH 181A1</a>	Imagining Sustainability	Fall 2017
<a href="#">ESS 480A1</a>	Sustainable Cities	Fall 2017
<a href="#">GES 280A1</a>	Green Renters	Fall 2017
<a href="#">HORT 580A4</a>	Light and Controlled Environment Agriculture	Fall 2017
<a href="#">LSPA 381A2</a>	Work with Spanish-speaking Youth and Families	Fall 2017
<a href="#">MIP 580A4</a>	Mosquito Collection & Identification Methods	Fall 2017
<a href="#">MIP 581A3</a>	Fundamentals of Prion Biology	Fall 2017
<a href="#">MIP 581A4</a>	Flow Cytometry for Immunology	Fall 2017
<a href="#">NR 581A6</a>	Forest and Rangelands Field Ecology	Fall 2017
<a href="#">NR 581A7</a>	Service Learning Applied to Natural Resources	Fall 2017
<a href="#">NR 581B1</a>	Intro to NR Research and Professionalism	Fall 2017

#### **Experimental Courses – 1<sup>st</sup> Offering**

<b>Course #</b>	<b>Course Title</b>	<b>Effective Term</b>
<a href="#">ANTH 480A3</a>	Experiments in Archaeology	Spring 2018
<a href="#">ART 381A2</a>	Installation and Sonic Art	Spring 2018

#### **Experimental Courses – 2<sup>nd</sup> Offering (For Informational Purposes Only)**

<b>Course #</b>	<b>Course Title</b>	<b>Effective Term</b>
<a href="#">ANTH 380A2</a>	Anthropology Perspectives: Evolution and Society	Spring 2018
<a href="#">ANTH 581A3</a>	Resilience, Well-Being, and Social Justice	Spring 2018
<a href="#">BIOM 581B2 / ECE 581B2</a>	Signal and Noise in Biosensors	Spring 2018
<a href="#">E 280A1</a>	Digital Humanities	Spring 2018

<a href="#">FTEC 480A2</a>	Fermentation Process, Design and Technology	Spring 2018
<a href="#">MECH 581A3</a>	Steam Power Plants	Spring 2018
<a href="#">MECH 581A4</a>	Chemical Rocket Propulsion	Spring 2018

#### Minor Changes to Courses

Course #	Course Title	Notes/Changes	Effective Term
<a href="#">AM 330</a>	Textile and Apparel Economics	Prerequisites	Fall 2018
<a href="#">AM 366</a>	Merchandising Promotion	Prerequisites	Spring 2018
<a href="#">ESS 565</a>	Niche Models	Prerequisites	Spring 2018
<a href="#">ESS 587</a>	Internship	Offering term	Spring 2018
<a href="#">HDFS 607</a>	Prevention Science Across the Lifespan	Offering year, administrative edit to registration information	Spring 2018
<a href="#">HDFS 609</a>	Prevention Program Evaluation	Offering year	Spring 2018
<a href="#">MU 444</a>	Music Therapy Methods III	Prerequisites	Spring 2018
<a href="#">MU 544</a>	Advanced Techniques-Neurologic Music Therapy	Prerequisites	Spring 2018

#### Updates/Corrections to Courses

Course #	Course Title	Description and Rationale for Update/Correction	Effective Term
<a href="#">AGRI 587A</a>	Internship: Domestic	Added 'written consent of instructor' to registration info; prior UCC approval on 10/7/2011.	Summer 2017
<a href="#">AGRI 587B</a>	Internship: International	Added 'written consent of instructor' to registration info; prior UCC approval on 10/7/2011.	Summer 2017
<a href="#">MATH 159</a>	One Year Calculus IB	MATH 159 was mistakenly not included on the 5/5/17 UCC agenda/minutes along with the other MATH courses submitted for GTP updates. The CLOs, sample syllabus, and CCHE verification form have been verified to meet updated GTP requirements, so this course will be moved forward in CIM so all of the MATH courses can be submitted to the CCHE together MATH 159 was approved for AUCC 1B designation by UCC on 1/16/15 effective Spring 2016, but the 1B designation was inadvertently not listed on the course entry for MATH 159 in the 2015-16 and 2016-17 Catalogs. AUCC 1B designation will be added to MATH 159 in the 2017-18 Catalog and updated in Banner retroactive to Spring 2016.	Spring 2018



<b>Updates/Corrections to Programs</b>		
<b>Program Title</b>	<b>Description and Rationale for Update/Correction</b>	<b>Effective Term</b>
<a href="#"><u>Ph.D. in Systems Engineering</u></a>	ECE 568/ENGR 568 was approved to be dropped by UCC 1/20/17 Consent Agenda, so it has been removed from the elective list of 7 courses/21 credits under Core Requirements.	Fall 2017
<a href="#"><u>Master of Arts in Anthropology, Plan A, Professional Methods and Techniques Specialization</u></a>	The course number for ANTH 643 was changed to ANTH 543 effective Fall 2017 on the 10/21/16 UCC minutes. The course number has been updated administratively.	Fall 2017
<a href="#"><u>Master of Arts in Anthropology, Plan B, Professional Methods and Techniques Specialization</u></a>	The course number for ANTH 643 was changed to ANTH 543 effective Fall 2017 on the 10/21/16 UCC minutes. The course number has been updated administratively.	Fall 2017
<a href="#"><u>Master of Greenhouse Gas Management and Accounting, Plan C (M.G.M.A.)</u></a>	With approval from UCC Chair Dr. Makela, edited the POS to rename the "Technical Tools" requirement to "Technical Tools and Skills. Reason/justification from the department for the change: "The program leads are working to broaden the scope of the degree. They are currently in discussions on more significant changes to the degree program, which will be submitted for future program changes in CIM. At this time, they would like to change the name of the Technical Tools section, as the courses they are choosing within that section for students to complete are reaching beyond technical skills like modeling and remote sensing/GIS to include communications, business/management skills and others. They feel the name Technical Tools doesn't accurately depict the electives that are being used in practice."	Fall 2017
<a href="#"><u>Master of Landscape Architecture, Plan C (M.L.A.)</u></a>	ECOL 505 increased from 2 credits to 3 credits effective Fall 2016 on the 4/1/16 UCC minutes, but the credit increase was not been updated on this program of study at that time. Credits updated.	Fall 2016
<a href="#"><u>Major in Art, BFA</u></a>	In consultation with the Art Department, RO, and UCC, the BFA Core has been incorporated into each BFA Concentration in CIM and the 2017-18 Catalog. The BFA Core will no longer be published or available to edit directly. Instead, any changes to the BFA Core will require proposals to be submitted to each BFA Concentration in CIM. ART 320, without AUCC 4A or 4B designation, was added to the "Upper Division Art History" list on all 10 concentrations. Footnote 2 was edited on all 10 concentrations. Footnote #3 has been removed from the following concentrations: Drawing, Electronic Art, Metalsmithing, Photo Image Making, Painting, and Pottery. Edited footnote #3 to reference the specific courses required for each concentration for the following: Fibers, Graphic Design, Printmaking, and Sculpture.	Fall 2017
<a href="#"><u>Major in Art (BA), Integrated Visual Studies Concentration</u></a>	Removed ART 496H from "UD Studio" list and added it to "UD Art History List." ART 496H was approved for AUCC 4A and 4B designation for all Art BFA and BA concentration 3/31/17. Per Dr. Moseman, ART 496H was inadvertently included on the "Upper Division Studio" course lists on the BFA and BA program proposals because this course would never be offered in a 'studio' format. Instead, the department's intent was to add ART 496H to the "Upper Division Art History" course lists. Added standard minimum grade statement noted on the MCM to the top of POS	Fall 2017

<a href="#"><u>Major in Biochemistry, General Biochemistry Concentration</u></a>	HES 319 increased from 3 credits to 4 credits effective Spring 2017 (2/26/16 UCC minutes), but this change was not updated on this program at that time. The credits have been updated on the Biosciences Electives List.	Fall 2017
<a href="#"><u>Major in Business Administration, Marketing Concentration</u></a>	Per email from Dr. Dave Gilliland, MKT 315 and MKT 450 were intended to be added to the electives list in both the Junior and Senior year, but they were inadvertently only added to the Senior year. Two separate paper curriculum forms were submitted to BUSA-MKTZ-BS in Spring 2015: one form added MKT 315 and MKT 450 to this electives list and one form requested that instead of taking 4 courses from the list in the Senior year, students take 2 courses from the list in both the Junior and Senior year. MKT 315 and MKT 450 added to electives list in Junior year.	Fall 2017
<a href="#"><u>Major in Engineering Science, Teacher Education Concentration</u></a>	CBE 102 was deactivated effective Spring 2017, so it has been dropped from the 2017-18 Catalog. In order have these program requirements display correctly in the 2017-18 Catalog, we have administratively removed CBE 102 from the Freshman year and replaced it with CBE 160 (1 credit) and CBE 205 (3 credits) per emails from UCC Rep Dr. Reisfeld, Laurie Craig, and UCC Chair Dr. Makela. The 'Group A' sequence of CBE courses will total 7 credits. Since CBE 205 is a Fall only course, students choosing 'Group A' will technically have to complete the course in the Sophomore year due to prerequisites, and they would likely need to request a registration override if LIFE 102 is not taken. These issues will need to be handled through advising. Footnote #4 has also been edited to replace MECH 302 with MECH 301. MECH 301 was created to replace MECH 302 effective Spring 2013; MECH 302 was deactivated effective Spring 2017.	Fall 2017
<a href="#"><u>Major in Nutrition and Food Science, Dietetics and Nutrition Management Concentration, Gerontology Nutrition Option</u></a>	AHS 201 was changed to HDFS 201 effective Fall 2016 (11/20/15 UCC minutes), but this change was not updated on this program at that time. The required course AHS 201 has been updated to HDFS 201 in the Junior year on the program requirements and MCM.	Fall 2017
<a href="#"><u>Major in Psychology, Addictions Counseling Concentration</u></a>	Minimum grade statement at top of POS was incorrectly highlighted in the 5/5/17 UCC minutes – correct in CIM.	Fall 2017
<a href="#"><u>Major in Women's and Gender Studies</u></a>	In consultation with Registrar's Office, UCC Chair, and Dr. Souza, changed the electives list titles in the Senior year on POS and MCM to "Senior Year List A" and "Senior Year List B." Per earlier contact with Dr. Souza, IE 470 was supposed to be added to the Senior Year List A to match the MCM. This has been updated in CIM. Per email from Dr. Souza, updated the minimum grade statement to be more explicit by replacing "all Women's Studies courses" with "all WS and ETST courses."	Fall 2017
<a href="#"><u>Major in Zoology</u></a>	BZ 430 decreased from 4 credits to 3 credits effective Spring 2017 (4/22/16 UCC minutes, but this change was not updated on this program at that time. The credits have been updated on the Upper-Division Zoology List.	Fall 2017
<a href="#"><u>Interdisciplinary Minor in Environmental Affairs</u></a>	ECON 344 was changed to ECON 444/AREC 444 effective Spring 2017 (10/7/16 UCC minutes), but this change was not updated on this minor at that time. ECON 344 has been replaced with ECON 444/AREC 444 on the Liberal Arts Electives list.	Fall 2017

<a href="#">Interdisciplinary Minor in Legal Studies</a>	ETST 312 was approved for deactivation on the 8/28/15 UCC minutes. Removed course from elective list.	Fall 2017
<a href="#">Minor in Watershed Science</a>	WR 420 was changed to WR 486 effective Fall 2012 (3/9/12 UCC Consent Agenda), but this change was not updated on this minor at that time. The required course WR 420 has been replaced with WR 486 on the minor requirements.	Fall 2017

Minutes were approved by the University Curriculum Committee on 8/25/2017.

Carole Makela, Co-Chair  
Mike Hogan, Co-Chair  
Shelly Ellerby, Curriculum Liaison Specialist

July 5, 2017

TO: Timothy Gallagher, Chair  
Executive Committee and Faculty Council

FROM: Carole Makela, Co-Chair  
Mike Hogan, Co-Chair  
University Curriculum Committee

SUBJECT: New Degree: Ph.D. in Watershed Science

The University Curriculum Committee moves Faculty Council adopt the following:

**A new Ph.D. in Watershed Science be established effective Spring 2018  
in the Department of Ecosystem Science & Sustainability, Warner College of  
Natural Resources.**

According to the request submitted:

Description:

The Doctor of Philosophy degree in Watershed Science trains students in the interdisciplinary study of the physical, chemical, biological, and social factors that affect the quantity, quality, and flux of water. The program provides students with the training to study watershed function and address watershed problems.

Rationale:

The Department of Ecosystem Science and Sustainability (ESS) houses both a B.S. and an M.S. degree in Watershed Science, and we propose adding a Doctor of Philosophy (Ph.D.) degree in Watershed Science. This addition will bring all three Watershed Science degree programs together in one department and build strength in interdisciplinary Watershed Science.

The request was reviewed and approved by the Committee on Scholarship, Research and Graduate Education on 4/6/17 and by the University Curriculum Committee on 4/28/17.

Attachment



## PROGRAM CHANGE REQUEST

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### NEW PROGRAM PROPOSAL

Date Submitted: 11/24/15 8:44 am

**VIEWING: PH.D. IN WATERSHED SCIENCE**

**LAST EDIT: 04/26/17 10:30 AM**

Changes proposed by: 821300824

### APPROVAL PATH

1. 12/04/15 1:52 pm Stephanie Kampf (stephanie.kampf): Approved for 821300824
2. 12/10/15 10:42 am Nicole Foxley (blankenn): Approved for 1476 Administrative Support
3. 12/10/15 11:44 am Tim Covino (tpcovino): Approved for 1476 Curriculum Committee Chair
4. 12/30/15 12:36 pm Richard Aster (aster): Approved for 1482 Chair
5. 12/30/15 12:52 pm John Moore (jcmoore): Approved for 1476 Chair
6. 02/24/16 1:39 pm Sally Sutton (Sally.Sutton): Approved for NR Curriculum Committee Chair
7. 02/25/16 8:18 am Richard Conant (conant): Approved for NR Dean
8. 02/25/16 8:21 am Sally Sutton (Sally.Sutton): Approved for NR University Curriculum Committee Rep
9. 12/22/16 2:29 pm Nicole Foxley (blankenn): Approved for 1476 Administrative Support
10. 03/02/17 8:34 am Kathy Duquoin (Kathy.Duquoin): Approved for Phase I Completion Check
11. 03/21/17 8:57 am Carrie Middleton (carrie.middleton): Approved for CoSRGE prep
12. 04/06/17 1:21 pm William Sanford (William.Sanford): Approved for CoSRGE Chair
13. 04/06/17 1:38 pm Carrie Middleton (carrie.middleton): Approved for RO Banner - prep
14. 04/28/17 3:29 pm Shelly Ellerby (shelly.ellerby): Approved for UCC Prep
- 15. University Curriculum Committee Chair**
16. Provost
17. Curriculum Liaison Specialist - hold for FC approval
18. RO Banner - approved
19. Program Code
20. CIP Code
21. Provost - Board of Governors
22. Provost - CCHE
23. HOLD for Future Catalog

Name	Title	Phone	E-mail
Stephanie Kampf	Tenure Track Faculty	1-0931	stephanie.kampf@colostate.edu

**Program change available to students:** Spring 2018

**College:** Warner College of Natural Resources

**Department/Unit:** 1476 - Ecosystem Science & Sustainability

**Academic Level:** Graduate

**Program Type:** Degree

**Degree Type:** PHD - Doctor of Philosophy

**Program Title:** Ph.D. in Watershed Science

### **Program Description**

The Doctor of Philosophy (PhD) degree in Watershed Science trains students in the interdisciplinary study of the physical, chemical, biological, and social factors that affect the quantity, quality, and flux of water. Our program provides students with the training to study watershed function and address watershed problems.

### **Program Catalog Copy**

The PhD in Watershed Science requires 72 credits and will also be contingent upon making a contribution to the literature of the discipline. The program of study will be developed individually for each student with the guidance and approval of the student's graduate committee.

**Offered as:** Main Campus Face-to-Face

### **Justification for Request**

The Department of Ecosystem Science and Sustainability (ESS) houses both a BS and an MS degree in Watershed Science, and we propose adding a Doctor of Philosophy (PhD) degree in Watershed Science. This addition will bring all three Watershed Science degree programs together in one department and build strength in interdisciplinary Watershed Science.

### **Program Level Learning Objectives**

The objectives of the program are:

- Systems understanding: Students will be able to identify and distinguish systems components and their interactions to explain, illustrate and analyze system understanding.
- Watershed science content and principals: Students will be able to apply complex watershed science principals to complex problems to develop sustainable solutions.
- Problem solving. Students will be able to work in teams and communicate effectively using a diverse set of analytical and applied tools.
- Interdisciplinary understanding. Students will be able to work in an interdisciplinary environment and demonstrate respect for alternative points of view.
- Contribute new research and understanding of watershed processes and issues to the published literature of the discipline.

## Program Requirements

Effective Spring 2018

Code	Title	Credits
<b>Required Foundation Courses</b>		
<u>GRAD 544</u>	Ethical Conduct of Research	1
<u>WR 692</u>	Seminar	1
<b>Discussion Courses</b>		
Select at least 3 credits from the following:		3
<u>WR 574</u>	Advanced Snow Hydrology	
<u>WR 616</u>	Hillslope Hydrology and Runoff Processes	
<b>Quantitative Courses</b>		
Select at least 3 credits from the following:		3
<u>NR 512</u>	Spatial Statistical Modeling-Natural Resources	
<u>NR 523/STAT 523</u>	Quantitative Spatial Analysis	
<u>STAT 511A</u>	Design and Data Analysis for Researchers I: R Software	
<u>STAT 511B</u>	Design and Data Analysis for Researchers I: SAS Software	
<u>STAT 512</u>	Design and Data Analysis for Researchers II	
<u>WR 674</u>	Data Issues in Hydrology	
<b>Skill Courses</b>		
Select at least 3 credits from the following:		3
<u>GEOL 551</u>	Groundwater Modeling	
<u>NR 503/GR 503</u>	Remote Sensing and Image Analysis	
<u>NR 505</u>	Concepts in GIS	
<u>WR 417</u>	Watershed Measurements	

Code	Title	Credits
<u>WR 419</u>	Water Quality Laboratory for Wildland Managers	
<u>WR 524/CIVE 524</u>	Modeling Watershed Hydrology	
<u>WR 575</u>	Snow Hydrology Field Methods	
<b>Depth and Breadth Courses</b>		
Select at least 6 credits from the following:		6
<u>AREC 542</u>	Applied Advanced Water Resource Economics	
<u>CIVE 413</u>	Environmental River Mechanics	
<u>CIVE 520</u>	Physical Hydrology	
<u>CIVE 544</u>	Water Resources Planning and Management	
<u>CIVE 613</u>	River Restoration Design	
<u>CIVE 622</u>	Risk Analysis of Water/Environmental Systems	
<u>CIVE 625</u>	Quantitative Eco-Hydrology	
<u>CIVE 626</u>	Integrated Analysis of Coupled Water Issues	
<u>ESS 501</u>	Principles of Ecosystem Sustainability	
<u>ESS 543/ATS 543</u>	Current Topics in Climate Change	
<u>ESS 660</u>	Biogeochemical Cycling in Ecosystems	
<u>GEOL 452</u>	Hydrogeology	
<u>GEOL 552</u>	Advanced Topics in Hydrogeology	
<u>GEOL 652</u>	Fluvial Geomorphology	
<u>NR 510</u>	Ecosystem Services: Theory and Practice	
<u>NR 577</u>	Wetland Ecology and Restoration	
<u>SOC 461</u>	Water, Society, and Environment	



Code	Title	Credits
<a href="#"><u>SOC 664</u></a>	Sociology of Water Resources	
<a href="#"><u>SOCR 522</u></a>	Micrometeorology	
<a href="#"><u>SOCR 540</u></a>	Soil-Plant-Nutrient Relationships	
<a href="#"><u>SOCR 670</u></a>	Terrestrial Ecosystems Isotope Ecology	
<a href="#"><u>WR 416</u></a>	Land Use Hydrology	
<a href="#"><u>WR 418</u></a>	Land Use and Water Quality	
<a href="#"><u>WR 510</u></a>	Watershed Management in Developing Countries	
<a href="#"><u>WR 511</u></a>	Water Resource Development	
<a href="#"><u>WR 512</u></a>	Water Law for Non-Lawyers	

#### Research and Dissertation

<a href="#"><u>WR 798</u></a>	Research	2
<a href="#"><u>WR 799</u></a>	Dissertation	2
<b>Additional Credits (A maximum of 30 credits may be accepted from a master's degree toward the Ph.D.)</b>		<b>51</b>
<b>Program Total Credits:</b>		<b>72</b>

A minimum of 72 credits are required to complete this program.

#### Affected Departments

Department Name(s)
1482 - Geosciences

Attach File(s) [PhD Watershed budget final.xlsx](#)  
 Attach File(s) [Review of Library Resources.docx](#)  
 Attach File(s) [Watershed Science GEO letter 11\\_16.pdf](#)  
 Attach File(s) [DESS WR PhD Proposal Dec 2016 final.doc](#)  
 Attach File(s) [CoSFP Approval-PhD Watershed Science.doc](#)