

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, February 7, 2017 – 4:00 p.m. – A101 Behavioral Sciences

I. Faculty Council Agenda – February 7, 2017 – A101 BSB- 4:00 p.m.

A. ANNOUNCEMENTS

1. Next Faculty Council Meeting – March 7, 2017– A101 Behavioral Sciences – 4:00 p.m.
2. Executive Committee Meeting Minutes located on FC website – December 13, 2016; January 17, 2017
(<http://facultycouncil.colostate.edu/faculty-council-meeting-dates-agendas-minutes/>)
3. Elections for Faculty Council Chair, Vice Chair, and Board of Governors Faculty Representative – March 7, 2017 – Committee on Faculty Governance. *Nominations close February 15, 2017.*
4. President Frank – Open Forum – Wednesday, February 8, 2017 – 3:00-4:00 p.m. Cherokee Park room

B. MINUTES TO BE APPROVED

1. Faculty Council Meeting Minutes – December 6, 2016 (pp. 3-28)

C. UNFINISHED BUSINESS

D. REPORTS TO BE RECEIVED

1. Provost/Executive Vice President – Rick Miranda
2. Faculty Council Chair – Mary Stromberger
3. Board of Governors Faculty Representative – Paul Doherty, Jr.
4. University Grievance Officer 2016 Annual Report (pp. 29-31)

E. CONSENT AGENDA

1. UCC Minutes – November 11, 2016; December 2 and December 9, 2016; January 20 and 27, 2017 (pp. 32-76)

F. ACTION ITEMS

1. Elections – University Committees (p. 77)
2. Proposed revisions to Section E.15.1 of the *Academic Faculty and Administrative Professional Manual* – CoRSAF (p. 78)
3. Proposed revisions to Section C.2.1.9.3 Membership and Organization of the *Academic Faculty and Administrative Professional Manual* – CoFG (pp. 79-80)
4. Proposed revisions to Section C.2.1.9.5.h Committee on Strategic and Financial Planning of the *Academic Faculty and Administrative Professional Manual* – CoFG (pp. 81-82)
5. Proposed revisions to Section C.2.1.9.5.i Committee on Teaching and Learning of the *Academic Faculty and Administrative Professional Manual* – CoFG (p. 83)
6. Biennial Review for Discontinuance and Continuance of Centers, Institutes, and Other Special Units (CIOSUs) for the academic year 2016 (Reporting Period FY15 and FY16) – CUP (pp. 84-86)

G. DISCUSSION

1. Engaging Faculty in Student Success
-Paul Thayer, Associate Vice President for Student Affairs

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.

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
December 6, 2016 – 4:00 p.m. – A201 Clark

CALL TO ORDER

The Faculty Council meeting was called to order at 4:04 p.m. by Mary Stromberger, Chair.

ANNOUNCEMENTS

1. Next Faculty Council Meeting – February 7, 2017 – A101 BSB – 4:00 p.m.

Stromberger announced that the next Faculty Council meeting would be held on February 7, 2017 at 4:00 p.m. in A101 BSB.

2. Executive Committee Meeting Minutes located on FC website –
October 18 and 25, 2016; November 15, 2016

(<http://facultycouncil.colostate.edu/faculty-council-meeting-dates-agendas-minutes/>)

MINUTES TO BE APPROVED

1. Faculty Council Meeting Minutes – November 1, 2016

Amendments were noted by Robert Keller (Liberal Arts) and C.W. Miller (CVMBS).

By unanimous consent, the minutes of the November 1, 2016 Faculty Council meeting were amended and approved. The amended minutes will be placed on the FC website.

UNFINISHED BUSINESS

1. None

REPORTS TO BE RECEIVED

1. President – Tony Frank

Frank reported the following:

- a. Budget discussions will be left for the Provost.

b. The balance of free speech on campus was perceived the biggest issue for this academic year. This is still a big challenge. What was not foreseen was how the election results would impact our institutions. To this point, we do not have a lot of input from the Trump Administration on impacts to research and budgets. The new nominee for Secretary of Education seems to have experience with schools of choice in Michigan (K-12); not higher education. One could assume that we would look at a less regulatory structure. Title IX may be a point of discussion. Many campuses have supported that effort but it will put more pressure on institutions to regulate Title IX.

Probably the private sector will get back into student loan business. What will that mean to PELL grants? Accreditation – specifically online in private sectors – will be under scrutiny. We shall see over time.

Regarding the Trump Administration impacts on immigration policy, concerns have been raised about undocumented students. Frank explained the DREAM act, DACA, and ASSET:

1) DREAM Act. This is a federal act proposed earlier in the Senate that provides a path to citizenship if undocumented children attend college or join the military. It is still deadlocked in Congress. There is not a lot of reason to be optimistic. Does not allow a path to citizenship or financial aid, but it does allow a social security number.

2) DACA – Deferred Action for Childhood Arrivals. Executive order signed by President Obama in 2012. Prevents undocumented students from being deported; renewable every 2 years. DACA students can get a social security number to complete a FAFSA form, for state financial aid (not federal).

3) ASSET ACT – Colorado bill passed in 2013. Allows DACA students to be eligible for institutional financial aid and in-state tuition.

There is concern that DACA will be overturned by President-elect Trump. There is still a lot of time between now and January 20th to gather information and see what happens. In the meantime, CSU is putting workforces together. CSU has sent messages of support to our DACA students, that they are an important part of our student body. We've talked to attorneys to gather additional information.

There is no formal action we are taking at this time. We think it is not wise to do so, to potentially overreact to hypothetical situations. This is a big topic, but I have no other clarity to offer at this time.

Anton Betten (Natural Sciences): Number of undocumented students at CSU?

Frank: 119 students at CSU.

Cotrufo (Soil and Crop Sciences): Impacts on new administration on research?

Frank: We have no idea with the new administration re: research. There are a couple of statements indicating that investments in NIH will occur. However, priorities might be around infrastructure and defense.

Frank was asked about impacts to international enrollments.

Frank: There is a lot of worry across the country with international enrollments. After 9/11 enrollments dropped. Every one percent drop in our international student enrollment is about \$350,000 in revenue. We build an international population for diversity and quality of learning. Not just for revenue. The international experience for our students is not only study abroad, but being around international students on our campus.

Ross McConnell (Computer Science): Thank you for your support of the ASSET program. Also, the bullying policy didn't go through Faculty Council. It went through your administration. We haven't been able to find out if it will go through the faculty manual process?

Frank expressed concern about taking a wide-spread policy and taking policies about students, post docs, etc., and putting them in the *Manual*. When the *Manual* is going around for corrections by so many people, and correcting pieces that are trumped by other statutes--when those statutes change, the *Manual* is instantly out of date. However, Frank is willing to listen to arguments about putting this policy in the *FC Manual*.

Ross McConnell (Computer Science): Appendix I: related to discrimination and retaliation. I heard this policy applies to the whole university. Applies to all the university members of the community. It seems to me that our *Manual* applies to more than our faculty and admin faculty.

Frank: That language was added to make the language relevant so it wasn't trumped by other policies. That language was put in related to AP's, etc.

Ross McConnell (Computer Science): How about academic freedom?

Frank: We support it in many ways. Academic freedom is never an excuse for others having to put up with being treated poorly--whether it is unacceptable behavior between faculty and students and faculty to faculty. I don't think we are above those rules and laws. This is a trivial argument in my perspective.

Ross McConnell (Computer Science): What constitutes unacceptable behavior?

Frank: There are a lot of gray areas around behavior, up to any including issues of law.

Mary Meyer (Statistics): I actually want to add my voice to Ross' concerns. The policy that is made by your cabinet, we all have heard about incidents where this was misapplied and faculty members suffered greatly. Part of our job with FC is to look at these policies and a lot of faculty were damaged by not having FC oversight.

Frank: I am going to push back. So far, there have only been four official complaints of bullying, not many. Also, let's make sure we review how policies get set up. We don't sit in cabinet and make up policies without input. If a policy is appropriate for discussion on the campus, then it goes to the appropriate groups. When this policy was established, there was vetting by FC members reviewing this policy. After all those groups comment, the person who crafts the policy then brings the formal process back to cabinet for a vote whether it will be put in place again or not. We are not under any illusions that we are getting any policies correct the first time. Your predecessors felt that we needed the bullying policy. If you tell me that every policy has to be reviewed by Faculty Council, I will respectfully disagree with you.

Robert Keller (Liberal Arts): Bullying is different than sexual harassment. Defining what it is, etc. I don't believe there are any laws against bullying. One person may call it bullying and another may call it constructive criticism.

Frank: There are laws and statutes in certain states. This is a slippery slope.

Robert Keller (Liberal Arts): What's wrong with having this debated on the floor of FC? To take a look at it. I have great confidence in this council to do so.

Frank: I feel the appropriate policy has been involved. What is wrong going through the appropriate process? CoRSAF will be involved in revisions with the bullying policy. Bullying is going to be hard to define. That doesn't mean you shouldn't do something about bullying. CoRSAF will review and bring up for FC.

Stromberger: The bullying policy was discussed in a Faculty Council meeting last spring and in several sub-committees. There was discussion about the bullying policy last spring. I gathered feedback from faculty and submitted that feedback to Bob Schur. Much of the feedback was incorporated into the policy.

Maria Legare (CVMBS): There was a lot of feedback during FC, implications that we should discuss this further, etc. There was no approval of the policy though.

Frank: The policy was deliberated a year after input. There has been FC input. IF you want more, we are set up to do that. The BOG has the final say. I don't believe the FC *Manual* should govern policies that govern ALL employees.

Dan Turk (Chair, CoRSAF: Can you tell us how the bullying policy is being revised? Our committee has started talking about this.

Frank: I can't speak to that.

Stromberger: Richard Eykholt (UGO), Lanai Greenhalgh (Ombuds), AP Council, State Classified Council, Dan Bush, Stromberger and others have met to draft a revised policy, based on concerns that have been brought forward by AAUP and the Standing Committee on the Status of Women Faculty. Richard Eykholt is also a member of CoRSAF. He is preparing the draft now and will take this to CoRSAF for review.

Frank: I do hear these concerns you have. There was a pretty strong sense across the campus that there are certain behavioral norms that would protect vulnerable populations from stronger populations. This doesn't seem to be the FC concern. It seems to be about whether it should be in the FC *Manual*. I respectfully disagree.

Moti Gorin (Philosophy): Would Faculty Council approval for the policy be justified on the grounds that the bullying policy applied to faculty not only as employees/colleagues/etc.? In our role as teachers, we might have input that would be overlooked by non-teachers.

Mary Meyer (Natural Sciences): Last October I attended a colloquium, by Philip Stark, on student evaluations. One of his findings was gender bias. The extent of it surprised me. Since this is well-established, why is CSU still using course evaluations when it is harming women?

Stromberger: I will report on the course survey later this afternoon.

Mary Meyer (Natural Sciences): We are using the course evaluations on T & P decisions. Course evaluations should not be used to evaluate teaching effectiveness.

Dan Bush (Vice Provost for Faculty Affairs): Department heads have been given a consistent message that course evaluations should not be used for teaching effectiveness.

Stromberger: I will update FC on this issue.

Robert Keller (Liberal Arts): I appreciate that CoRSAF is considering the bullying policy.

Frank's report was received.

2. Provost/Executive Vice President – Rick Miranda

Miranda reported on the following:

- a. Miranda hears reports that evidence of teaching effectiveness is not taken into account much in T & P.
- b. Masters of Addiction policy discussed in recent meeting. You will be voting on it this afternoon.
- c. APLU had its annual meeting recently, in Austin, TX. CSU won an award from CICEP related to “Innovation and Economic Prosperity”— the IEP “Place” award.
- d. Budget: Miranda visited UFFAB (University Facility Fee Advisory Board). Their funds helped build the biology building that is going up. They also use cash funds for smaller renovation projects. Their funds are also used for bonds. Miranda meets with them once or twice a year. The committee is looking at proposals to renovate Clark and other maintenance projects. Decisions are made in the spring.
- e. Budget: pushing out funding to colleges re: growth in student enrollments. This year we are sending the funds earlier. \$1.4 million were pushed out this fall. \$1.5 million coming out this month. More timely deployment of resources
- f. BOG will be meeting this week. They will be considering several drafts, based on different tuition increase models, of the incremental E&G budget (see Miranda's slides from the BOG Board book). New revenues include \$3M in new state appropriations, and new tuition revenue from enrollment growth and shifts in international/out-of-state students. Based on tuition increases, new revenues are budgeted to be \$30.8M (for a 4.5% tuition increase), \$31.5M (for a 5% tuition increase), and \$33M (for a 6% tuition increase).

New expenses include:

- Faculty/staff compensation = \$11.7M (based on 2.5% merit increase). This includes promotions, retentions, and a 0.5% increase in the DCP.

- Academic incentive funding = \$8.7M. This includes return of tuition, due to enrollment growth, to colleges (2-3-6 model), graduate tuition sharing, etc.
- Financial aid = \$6.3M (based on 5% tuition increase)
- Mandatory costs = \$5M
- Reallocation = \$3M (about 1% of cut-able budgets within units)
- Quality enhancements = \$1.37M
- Multi-year strategic investments from Central Admin = \$1.7M The budget is just barely balanced. This will be sufficient for the BOG draft budget.

Michael Pante (Anthropology): How serious are the salary raises?

Miranda: It costs \$1.9M for every 0.5% increase in faculty/staff salaries. If the state gives more money, it would make it easier to give higher raises. Academic funding is the next big number; these are additional help with more teaching staff. I could also go to the colleges to see if they don't want us to share much. Departments are planning for growth and they recruit more students as Miranda does not want to renege on giving departments more money.

Nancy Hunter (Libraries): What does the reallocation mean?

Miranda: Ask all colleges to send back 1%.

CW Miller (CVMB): Can we get a copy of the draft budget?

Miranda: It is in the Board book.

CW Miller (CVMB): Can we adjust our workloads to get more salary increases?

Miranda: That would come up from the bottom.

Jenny Morse (Chair, CoNTTF): Does this include salary increases for NTTF?

Miranda: Yes.

Mohammed Hirchi (CLA at-large): What about salary adjustments for women, because of salary inequities.

Miranda: Waiting for new model for salary equity for full professors. That report is due shortly. Dan Bush has been working with that committee. We hope to have that out for the spring salary exercises.

Miranda's report was received.

3. Faculty Council Chair – Mary Stromberger

Stromberger reported on the following:

A. Committee on Teaching and Learning

1. Brought forward recommendations to Executive Committee on November 29 regarding the student course survey redesign, as well as revisions to the Manual related to the use of course surveys in teaching evaluations.

The recommendations included the following:

- a. The survey is to be evidenced based, and consisting of a set of core questions that address instructional delivery and course content as well as a flexible pool of questions that allow for customization.
 - b. be delivered on-line through a delivery platform. CoTL has been working with Drs. Pat Byrne and David Johnson on this issue.
 - c. that there be clear policies/guidelines on appropriate use of course survey data by faculty and by department heads, P&T committees, etc.
 - d. that the process to develop the course survey not be rushed
 - e. clarification on who has access to data (besides the instructor)
2. EC recognizes that it will take some time for such a survey to be developed, as well as the survey delivery platform that is necessary to deliver the survey on-line. Executive Committee understands CoTL's recommendation to not rush this process, but we also recognize the urgent need to produce a survey sooner rather than later. The current survey is unacceptable and we cannot continue to use it.

That being said, last week Stromberger charged CoTL with the following:

- a. Begin immediately with the assembly of a set of core questions that addresses instructional delivery and course content, is reliable and evidence-based, and can be administered on-line through Canvas. EC is

referring to this as the Phase I survey, which is to be ready for Faculty Council approval by May 2017.

b. Parallel to the Phase I development process, EC charges CoTL to continue working towards the survey envisioned by Dr. Zinta Byrne, complete with a pool of flexible questions for customization (what we are calling the Phase II survey). CoTL should work with Dr. Pat Burns to identify or develop the survey delivery platform that will allow the Phase II survey to be delivered on-line. The target deadline for the Phase II survey to be approved by Faculty Council is May 2018.

c. At the same time the Phase I survey is presented to Faculty Council, CoTL will bring forward proposed revisions to the Manual, Sections E.12.1 and I.8, that clearly state the purpose of the survey, the responsibilities of ASCSU in financing the survey, where survey results will be posted, and parties that have access to the survey (I.8), as well as a clear policy on how the course survey will and will not be used in faculty teaching evaluations.

Stromberger noted that this charge, to separate the survey redesign into a Phase I and Phase II survey, strikes a balance to quickly produce a survey, that while not perfect, is better than what we currently have. Stromberger explained that EC desires CoTL to continue working towards the ideal survey as envisioned by Dr. Byrne, and that efforts will not stop after the Phase I survey.

B. Parking Plans

The Parking Services Committee recently reviewed four potential parking plans. Stromberger and Michael Pante (Anthropology, also a member of the Parking Services Committee) explained the four plans.

1. Current plan

No programmatic changes

Permit cost increases

\$582 Administrative Professional and Faculty (3% increase)

\$582 State Classified (FY17 increase plus 3% for FY18)

\$536 Commuter Student (3% increase)

\$628 Resident Hall Student (FY17 increase plus 3% for FY18)

2. Current plan with revisions:

Pricing:

- \$582 Administrative Professional and Faculty (3% increase)
- \$582 State Classified (FY17 increase plus 3% for FY18)
- \$536 Commuter Student (3% increase)
- \$628 Resident Hall Student (FY17 increase plus 3% for FY18)
- \$250 Research Blvd permit
- \$400 Moby reduced parking permit (out by 4 pm event days)

Discounted lot at Ingersoll for resident hall students - \$400

Some issues still to consider:

- Reserved parking - demand based
- Staff and faculty?
- Commuter students?

Retiree permits - average of 84 per day on campus

Eliminate completely?

Restrict to Research Blvd Lot?

30 year employees - free permits

30 Year employees average salary is over \$104K

15 people under \$50K, of those 3 are under \$35K

Keep as is?

Eliminate completely?

Restrict to only people who make less than \$50K?

State and Service Vehicles - pay for using customer spaces

Elevated fines - if we can work out a few minor details this will be possible

1st each year - Free

2nd is current price

3rd is elevated

4th is elevated

5th and up is one last elevated price

Reset annually

*Monday/Wednesday/Friday permit or Tuesday/Thursday permit: Semester permits only A & Z: (Checking final details to see if system can do it yet)

3. Salary-Based Model

Salary Based Model w/ 5 bands

Min	Max	# of FY16 permits	cost	Revenue	Elasticity	Cost per day
20,256	34,999	267	\$250	\$65,750	(0.1)	0.96
35,000	49,999	922	\$490	\$446,880	(0.1)	1.88
50,000	79,999	1,067	\$730	\$677,440	(0.2)	2.81
80,000	119,999	708	\$970	\$522,830	(0.2)	3.73
120,000	1,450,000	436	\$1,210	\$343,640	(0.2)	4.65
		3,400				
				\$2,056,540		
			TARGET	2,050,000		
			Difference	6,540		

Salary Based Model w/ 4 bands

Min	Max	# of FY16 permits	cost	Revenue	Elasticity	Cost per day
20,256	34,999	267	\$250	\$65,000	(0.2)	0.96
35,000	69,999	1,711	\$582	\$932,946	(0.2)	2.24
70,000	119,999	986	\$914	\$708,350	(0.2)	3.52
120,000	1,450,000	436	\$1,246	\$345,142	(0.2)	4.79
		3,400				
				\$2,051,438		
			TARGET	2,050,000		
			Difference	1,438		

4. SP+ Model (Consultant's model)

Parking in Designated Lots

Permit fees vary by lot (e.g., \$582 for lot by old field house, \$1,100 for BSB lot or lot south of Admin Building, \$2,400 for reserved lot south of Admin Building).

Removes state and service from the lots or have to create more spaces for them
reducing inventory for paying customers

Hard to plan for visitors

Daily permits, monthly permits and visitor parking to the perimeter or in
designated areas?

Wait lists for many lots

New employees and faculty would be forced to park in out laying lots with no
wait lists and wait for closer spots to open up

Special events would be limited to where they could park or customers would be
displaced

Relocating permits holders due to lots closures (new buildings) would be difficult

Handling people who go on sabbatical

Parking limited to one lot only

Park down would be Moby or Research Blvd

Hard to manage - labor intensive

Requires constant work and reallocations

Longer implementation time

Harder for staff, faculty and students to get used to

Most drastic change from what we have now

Pante: Parking Services Committee recommended that we go forward with the
Current Plant with Modifications (option 2 above). Keep research lot as reduced
permit fee lot and include Moby for reduced rate at \$400. Very clear that the
university's mission is to not drive to campus. Some things are unfair. Pante
would like to see an alternative transportation fee that is more widely distributed
(rather than just being paid for through parking permits) but it wasn't supported.

Stromberger encouraged Faculty Council to consider the four options and send
comments to her to pass on to administration.

Stromberger's report was received.

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

Doherty reported on the following:

The BOG will meet this Thursday – Friday. Public comment period at 9 am on
Thursday.

Doherty's report was received

CONSENT AGENDA

1. UCC Minutes – October 21 and 28, 2016; November 4, 2016
2. Approval of Fall Degree Candidates

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

Makela's motion was unanimously approved by Faculty Council.

ACTION ITEMS

1. Elections – Academic Faculty Nominations to Faculty Council Standing Committees - CoFG

Steve Reising, Committee on Faculty Governance, moved that Faculty Council elect faculty to the following standing committees:

COMMITTEE ON NON-TENURE TRACK FACULTY

		Term Expires
<u>LESLIE STONE-ROY</u> Nominated by Committee on Faculty Governance	CVMBS	2019
<u>TOBIN MAGLE</u> Nominated by Committee on Faculty Governance	LIBRARIES	2019

COMMITTEE ON UNIVERSITY PROGRAMS

<u>MO SALMAN</u> Nominated by Committee on Faculty Governance	CVMBS	2019
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Stromberger asked for nominations from the floor. Hearing no nominations, the nominations were closed.

Reising's motion was adopted and the nominees were elected to their respective committees, starting July 1, 2016 through June 30, 2019 (for three-year terms).

2. Proposed revisions to Section D.3.6 Responsibilities for Ensuring Nondiscrimination Practices; D.5.1 Nondiscrimination and Affirmative Action; Appendix 1: Discrimination, Harassment, Sexual Harassment, Sexual Misconduct, Domestic Violence, Dating Violence, Stalking, and Retaliation of the *Academic Faculty and Administrative Professional Manual – CoRSAF*

Dan Turk, Chair, CoRSAF, moved that Faculty Council approved the proposed revisions Section D.3.6 Responsibilities for Ensuring Nondiscrimination Practices; D.5.1 Nondiscrimination and Affirmative Action; Appendix 1: Discrimination, Harassment, Sexual Harassment, Sexual Misconduct, Domestic Violence, Dating Violence, Stalking, and Retaliation of the *Academic Faculty and Administrative Professional Manual*, pending final approval by the Board of Governors.

Deletions ~~Overseored~~—Additions Underlined

D.3.6 Responsibilities for Ensuring Nondiscrimination Practices (*last revised June 21, 2011*)

Any faculty member or administrative professional who encounters acts of discrimination because of race, age, color, creed, religion, national origin or ancestry, sex, gender, disability, veteran status, genetic information, sexual orientation, ~~or~~ gender identity or expression, or pregnancy, or because a person has inquired about, discussed, or disclosed their own pay or the pay of another employee or applicant, either on or off campus, is urged to report such incident to the University by completing a simple form available for that purpose from the Office of Equal Opportunity (OEO).

D.5.1 Policy: Nondiscrimination and Affirmative Action (*last revised June 21, 2011*)

Colorado State University does not discriminate on the basis of race, age, color, creed, religion, national origin or ancestry, sex, gender, disability, veteran status, genetic information, sexual orientation, ~~or~~ gender identity or expression, or pregnancy, and will not discharge or in any other manner discriminate against employees or applicants because they have inquired about, discussed, or disclosed their own pay or the pay of another employee or applicant. The University complies with the Civil Rights Act of 1964, related Executive Orders 11246 and 11375, Title IX of the Education Amendments Act of 1972, Sections 503 and 504 of the Rehabilitation Act of 1973, Section 402 of the Vietnam Era Veterans' Readjustment Assistance Act of 1974, as amended, the Age Discrimination in Employment Act of 1967, as amended, the Americans with Disabilities Act (ADA) of 1990, the Civil Rights Act of 1991, the ADA Amendments Act of 2008, the Genetic Information Nondiscrimination Act of 2008, and all civil rights laws of the State of Colorado. Accordingly, equal opportunity of employment and admission shall be extended to all persons. The ~~and the~~ University shall promote equal opportunity and treatment in employment through a positive and continuing affirmative action program for ethnic minorities, women, persons with disabilities, and veterans. The ~~OEO~~ Office of Equal Opportunity is located in 101 Student Services.

APPENDIX 1: Discrimination, Harassment, Sexual Harassment, Sexual Misconduct, Domestic Violence, Dating Violence, Stalking, and Retaliation (last revised August 7, 2015)

Purpose of Policy

Colorado State University is committed to providing an environment that respects the dignity and worth of every member of its community. The University strives to create and maintain a work and study environment that is fair, inclusive, and responsible so that each member of the University community is treated with dignity and respect and is rewarded for relevant considerations such as ability and performance. The purpose of this policy is to define the types of conduct that are prohibited by the University as a means of achieving these goals and to prevent harm arising from discrimination, harassment, sexual harassment, sexual misconduct, domestic violence, dating violence, stalking and retaliation.

Colorado State University is committed to providing an environment that is free from discrimination and harassment based on race, age, creed, color, religion, national origin or ancestry, sex, gender, disability, veteran status, genetic information, sexual orientation, gender identity or expression, or pregnancy, and will not discharge or in any other manner discriminate against employees or applicants because they have inquired about, discussed, or disclosed their own pay or the pay of another employee or applicant.

e. Discrimination is conduct that is based upon an individual's race, age, creed, color, religion, national origin or ancestry, ~~ancestry~~, sex, gender, disability, veteran status, genetic information, sexual orientation, gender identity or expression, or pregnancy, or because they have inquired about, discussed, or disclosed their own pay or the pay of another employee or applicant, and that (a) excludes an individual from participation in, (b) denies the individual the benefits of, (c) treats the individual differently from others in, or (d) otherwise adversely affects a term or condition of an individual's employment, education, living environment or University program or activity. It is unlawful discrimination for an employer to refuse to hire, to discharge, to promote or demote, to harass during the course of employment, or to discriminate in matters of compensation, terms, conditions, or privileges of employment against any person otherwise qualified because of any of these factors. This includes failing to provide reasonable accommodation, consistent with state and federal law, to persons with disabilities.

g. Harassment covered under this policy is conduct that demonstrates hostility towards a person (or a group of persons) based upon that person's race, age, creed, color, religion, national origin or ancestry, ~~ancestry~~, sex, gender, disability, veteran status, genetic information, sexual orientation, gender identity or expression, ~~or pregnancy~~, or because they have inquired about, discussed, or disclosed their own pay or the pay of another employee or applicant and has the purpose or effect of:

Statement of Policy Principles

It is the policy of Colorado State University to maintain an academic and work environment free of discrimination, harassment, sexual harassment, sexual misconduct, domestic violence, dating violence, stalking and retaliation for students, faculty, and employees. Such conduct is

contrary to the standards of the University community and common decency. It diminishes individual dignity, impedes equal employment and educational opportunities and equal access to freedom of academic inquiry, and creates barriers to fulfilling the University's scholarly, research, educational, and service missions. Such conduct will not be tolerated at the University.

Discrimination, harassment, sexual harassment, sexual misconduct, domestic violence, dating violence, stalking and retaliation also are illegal; they are prohibited in the employment context by Title VII of the 1964 Civil Rights Act, in the education context by Title IX of the Educational Amendments of 1972, and, in both employment and education contexts, by Colorado's anti-discrimination laws, including, but not limited to, C.R.S. §24-34-401, et seq. Such conduct also can violate federal and state criminal laws.

Colorado State University does not discriminate on the basis of race, age, creed, color, religion, national origin or ancestry, sex, gender, disability, veteran status, genetic information, sexual orientation, gender identity or expression, ~~and or pregnancy,~~ and will not discharge or in any other manner discriminate against employees or applicants because they have inquired about, discussed, or disclosed their own pay or the pay of another employee or applicant. The University complies with the Civil Rights Act of 1964, as amended, related Executive Orders 11246 and 11375, Title IX of the Education Amendments Act of 1972, Sections 503 and 504 of the Rehabilitation Act of 1973, Section 402 of the Vietnam Era Veterans' Readjustment Assistance Act of 1974, as amended, the Age Discrimination in Employment Act of 1967, as amended, The Pregnancy Discrimination Act of 1978, Americans with Disabilities Act of 1990, the Civil Rights Act of 1991, the ADA Amendments Act of 2008, the Genetic Information Nondiscrimination Act of 2008, and all civil rights laws of the State of Colorado. Accordingly, equal opportunity of employment and admission shall be extended to all persons. The University shall promote equal opportunity and treatment in employment through a positive and continuing affirmative action program for ethnic minorities, women, persons with disabilities, and veterans.

Rationale:

The language in the Manual needs to be brought into alignment with Federal law. The proposed changes do this. The primary changes add pregnancy and discussion of pay as items that cannot be discriminated against. Several small editorial changes are also included.

Turk's motion was unanimously approved by Faculty Council.

3. New Degree: Master of Addiction Counseling, Plan C (M.A.C.), be established effective Fall 2017 in the Department of Psychology, College of Natural Sciences – UCC

Carole Makela, Chair, UCC, moved that FC approved the New Degree: Master of Addiction Counseling, Plan C (M.A.C.), be established effective Fall 2017, pending final approval by the Board of Governors.

Description:

The Plan C Masters in Addiction Counseling is designed to provide students the education needed to become a Licensed Addiction Counselor. With this degree and licensure, graduates will be able to enter the workforce as treatment providers for those struggling with substance use and substance use disorders. The Master's Degree is structured as one year of course work and one year of internships to satisfy state requirements for certification and licensure. This program is seen as a continuation of the Addictions Counseling Concentration in the BS in Psychology. That concentration leads to Level 1 Certification, where the Plan C Master's Degree will lead to the highest level of certification in the field of addictions treatment.

Rationale:

Potential graduate program applicants seeking a terminal master's degree from CSU in counseling will be adequately prepared for a career in Addiction Counseling with the proposed master's degree, which qualifies them for the relevant license. There is currently a shortage of properly trained individuals in the field of addictions treatment, so by launching this program Colorado State University will be able to train individuals with a terminal master's degree who are ready to fill this demand.

Makela's motion was unanimously approved by Faculty Council.

4. Proposed revisions to Section I.11 – Students Called to Active Duty of the *Academic Faculty and Administrative Professional Manual* - CoTL

Stephanie Clemons, Vice Chair, moved the Faculty Council approve the proposed revisions to Section I.11 – Students Called to Active Duty of the *Academic Faculty and Administrative Professional Manual*, pending final approval by the Board of Governors.

Additions are underlined, and deletions are indicated by ~~strikeouts~~.

I.11 Students Called to Active Duty (~~last revised May 5, 2005~~)

In response to military action declared by the President of the United States or Congress in which United States forces are being called into active duty, the University shall apply this policy for the duration of such actions, and the Adult Learner and Veterans Services (ALVS) Center for Advising and Student Achievement (CASA) shall execute it.

Any student called to active military duty should visit ALVS for consultation. ~~may, upon presentation of a copy of his or her orders to CASA, be given a grade of Incomplete in courses~~

for which she/he is registered. ~~The student or his or her designate may make this request in person, by letter, or by telephone. However, the request will not be processed by CASA until a copy of the orders are received.~~ The ALVSCASA advisors will counsel with the student or his or her designate and the student's instructors to select the option (either withdrawal from the University, cancellation of courses, or taking of an Incomplete) that is most appropriate to that student's situation. (Note: The ALVSCASA cannot disclose personally identifiable educational information with a third party, even a spouse or other designee, without a signed FERPA Release Form. The FERPA Release Form authorizes ALVSCASA to disclose the student's educational information to his or her designee. (See Section I.2.). Additional details are provided in the General Catalog section on University Withdrawal for Call to Active Duty (<http://catalog.colostate.edu/general-catalog/academic-standards/registration/#university-withdrawal>).

If the student chooses to withdraw from the University as a result of an undetermined amount of time required away from his or her studies during military service, the tuition paid for the semester will be refunded. If the student opts for a grade of Incomplete for the course, tuition will not be refunded. The grade of Incomplete shall remain on the student's record for a period not to exceed one year following the end of the semester in which the student re-enrolls at Colorado State University. By this date, the grade will be changed by the instructor or department head of record, or it will convert to a grade of "F." It will be the responsibility of ALVSCASA personnel to track these students and to keep the Office of the Registrar notified of the status of these students, since the time period for which the grade of Incomplete may remain on the record may vary from the normal University time limits for resolution of grades of Incomplete.

Rationale:

The proposed revisions reflect the current process that CSU follows to assist students called to active duty. Assistance is provided by the Adult Learner and Veteran Services office, not by CASA.

Clemons' motion was unanimously approved by Faculty Council.

5. Proposed revisions to the *General Catalog* – University Withdrawal for Call to Active Duty – CoTL

Stephanie Clemons, Vice Chair, moved that Faculty Council approve the proposed revisions to the *General Catalog* – University Withdrawal for Call to Active Duty.

Additions are underlined, and deletions are indicated by ~~strikeouts~~.

University Withdrawal for Call to Active Duty

Called to Active Military Duty

CSU will assist any student called to active military service with reasonable accommodations and in making the best possible transition. As a primary point of contact, students are encouraged to work with Adult Learner and Veterans Services (ALVS) ~~and the Center for Advising and Student Achievement (CASA)~~ in order to review all options prior to leaving CSU. Depending on when in the semester the student is called to duty, different options may be available including University withdrawal, late withdrawals, or incompletes.

~~If the student chooses to withdraw from CSU as a result of the amount of time required away during military service, upon presentation of military orders, the tuition paid for the semester will be refunded. All students should request a University Withdrawal on RAMweb and then contact CASA to present their military orders.~~

~~If most of the semester in which a student is called to active duty is complete, the student may work with individual instructors to assess whether or not incompletes are a viable option. ALVS will assist students in this process. At the discretion of the instructor, a temporary grade of "I" may be assigned to a student passing a course. The student and instructor will complete a contract for course completion. The student called to military duty will have an extended time allowed for course completion, that being one full year after the student has returned to CSU. There are no refunds associated with receiving incompletes and no fees associated with completing those courses.~~

Students anticipating encountering a different scenario during the semester, such as being gone for a limited amount of time; are encouraged to work with ALVS in order to explore work-out reasonable accommodations in her/his courses or selected withdrawals from individual courses.

University Withdrawal for Call to Active Duty:

1. To complete a University Withdrawal a student should do so online, through RAMweb. ~~For more information, contact Center for Advising and Student Achievement (CASA) located in the TILT Building, 801 Oval Drive, to meet with an advisor. Walk in hours are Monday through Friday, 10:00 to 2:00. If you prefer, you can make an appointment by calling (970) 491-7095.~~
2. After requesting the University Withdrawal online, present your orders to CASA to that the tuition appeal can be expedited at that time. Ideally, you will have your deployment orders in hand when you visit CASA-ALVS. If you do not have your orders with you, or can only complete the withdrawal over the phone, then you can fax-submit the orders to CASA at (970) 491-1133-ALVS. When CASA-ALVS receives the orders, your tuition assessment will be adjusted to 0%.
3. If you are deployed between academic terms (for example, at the end of the semester or over the summer), you do not need to withdraw online or contact ALVS CASA to withdraw; however, you do need to be sure you have cancelled your registration for the upcoming term. You may cancel courses on RAMweb.
4. Graduate students: Please be sure to review your options for Continuous Registration versus the Graduate Form IB (Graduate Application for Readmission) as you make

arrangements for your deployment.

5. Short-term deployments may not require a University Withdrawal, depending upon the length of the deployment and when in the semester it occurs. Students given orders for a short-term deployment should work directly with their instructors, who are strongly encouraged to accommodate deployed students with a reasonable plan for making up work. Students who are advised they may be assessed a penalty for the absence should contact Adult Learner and Veteran Services (ALVS) to discuss their options. If you have any questions about the withdrawal process, be sure to speak to ALVS ~~a CASA advisor~~.

To return to CSU (whether you were deployed during the academic term or between terms):

1. Returning undergraduate students should go to the Admissions website for information on the Undergraduate Intent to Return process.
2. The Intent to Return form asks you which semester you plan to return to CSU. As soon as you know when you will return, you should submit the form so that you can register for classes in a timely manner. Please note the relevant application deadline. Keep your academic advisor apprised of your plans—by phone or email if necessary—so that your advisor can make sure that you have a schedule figured out for your returning semester.
3. Returning graduate students who have not utilized Continuous Registration must complete and submit a Graduate School Form 1B (Graduate Application for Readmission) and a copy of the deployment orders in order to have the \$150 readmission fee waived.
4. Graduate students who choose to utilize Continuous Registration during their deployment are not required to reapply when they return, but they will be charged \$150 and the University Technology Fee per academic term that they are away, and the continuous registration fee is NOT waived for deployment.

Important note: If you were admitted to CSU and were not able to enroll due to deployment, you may be required to submit a new application for admission and new supporting documents depending upon your original term of admission. Enrollment deferrals of up to one year beyond the original term of admission are allowed in such cases but must be arranged in advance; deadlines apply.

If you have questions about the return process (for enrolled students) or about obtaining an enrollment deferral (for newly admitted students), please contact the Office of Admissions at admissions@colostate.edu.

Rationale:

The proposed revisions reflect the current process that CSU follows to assist students called to active duty. Assistance is provided by the Adult Learner and Veteran Services office, not by CASA. The proposal also clarifies that the continuous registration fee is not waived for graduate students on continuous registration while away on active duty.

Clemons' motion was unanimously approved by Faculty Council.

5. Proposed revisions to the *Graduate and Professional Bulletin – Graduate Study – CoSRGE*

William Sanford, Chair, CoSRGE, moved that Faculty Council approve the proposed revisions to the *Graduate and Professional Bulletin – Graduate Study*.

ADDITIONS - UNDERLINED - DELETIONS ~~OVERSCORED~~

GRADUATESTUDY

- Requirements for All GraduateDegrees
- Evaluation of Graduate Students and Graduate School Appeals Procedure
- Master's Degrees
- Ph.D.Degree
- Graduate Specializations
- Graduate Certificates
- Dissertation and Thesis
- Graduation Procedures
- Inter-University Graduate Programs

Within graduate degree programs, certain well-defined “specializations” may be offered. A Graduate Specialization is a formal Faculty Council approved program with a defined curriculum addressing a specialty within one of the graduate degree programs. Specializations are automatically listed on transcripts. Please visit the Graduate School website for a listing of degrees and available specializations.

Rationale:

- The above paragraph about Graduate Specializations was previously listed in the Graduate & Professional Bulletin (G&PB); however, it did not get transferred into the online version of the G&PB in the Catalog.
- There is no description of what a specialization is in the Graduate & Professional Bulletin; therefore, the paragraph would give an introduction to specializations. Additionally, a link would be provided to the Graduate School website where a list of current specializations can be found.
- It would be helpful to have a brief overview defining specializations since many departments ask about them and this is an effective way to provide information.
- The Graduate & Professional Bulletin does not currently list the specializations. There is no plan to request that the specializations be listed in the G&PB.
- (Prior to the online version of the General Catalog and transfer of the Graduate & Professional Bulletin into the General Catalog, a list of graduate degree programs, and a list of specializations were included in the G&PB. It was decided by a large

group of individuals reviewing copy for the online version of the Catalog that these lists would not be included in the G&PB once it moved to online status.)

Sanford's motion was unanimously approved by Faculty Council.

DISCUSSION

1. None.

Stromberger adjourned the meeting at 6:00 p.m.

Mary Stromberger, Chair
Stephanie Clemons, Vice Chair
Rita Knoll, Executive Assistant

ATTENDANCE
BOLD INDICATES PRESENT AT MEETING
UNDERLINE INDICATES ABSENT AT MEETING

ELECTED MEMBERS	REPRESENTING	TERM
Agricultural Sciences		
Stephan Kroll	Agricultural and Resource Economics	2019
Stephen Coleman	Animal Sciences	2018
<u>Scott Nissen</u>	Bioagricultural Sciences & Pest Management	2018
Adam Heuberger	Horticulture & Landscape Architecture	2019
Francesca Cotrufo	Soil and Crop Sciences	2017
Jane Choi	College-at-Large	2019
Jason Ahola	College-at-Large	2017
Bradley Goetz	College-at-Large	2019
Health and Human Sciences		
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
Scott Glick	Construction Management	2017
Barb Hooper	Occupational Therapy	2017
<u>Tom Chermak</u>	School of Education	2018
Eunhee Choi	School of Social Work	2019
Business		
Bill Rankin	Accounting	2019
Stephen Hayne	Computer Information Systems	2018
Tianyang Wang	Finance and Real Estate	2019
Troy Mumford	Management	2018
Kelly Martin	Marketing	2018
(substituting for Tuba Ustuner-Fall 2016 sabbatical)		
Lisa Kutcher	College-at-Large	2019
<u>John Hoxmeier</u>	College-at-Large	2019
Engineering		
Russ Schumacher	Atmospheric Science	2018
<u>Travis Bailey</u>	Chemical and Biological Engineering	2019
Rebecca Atadero	Civil and Environmental Engineering	2018
<u>Siddharth Suryanarayanan</u>	Electrical and Computer Engineering	2019
Shantanu Jathar	Mechanical Engineering	2017
<u>J. Rockey Luo</u>	College-at-Large	2019
Steven Reising	College-at-Large	2019
<u>Ted Watson</u>	College-at-Large	2018

Liberal Arts

Michael Pante	Anthropology	2017
Marius Lehene	Art	2017
Nick Marx	Communication Studies	2019
(substituting for Julia Khrebtan-Horhager)		
Robert Keller	Economics	2017
Sue Doe	English	2018
Albert Bimper	Ethnic Studies	2019
Jonathan Carlyon	Languages, Literatures and Cultures	2018
Thaddeus Sunseri	History	2017
(substituting for Adrian Howkins Fall 2016)		
TBD	Journalism and Technical Communication	2017
Wesley Ferreira	Music, Theater, and Dance	2019
Moti Gorin	Philosophy	2019
Kyle Saunders	Political Science	2018
Tara Opsai	Sociology	2019
<u>Antonio Pedros-Gascon</u>	College-at-Large	2019
Mohammed Hirchi	College-at-Large	2017
David Riep	College-at-Large	2018
Angela Christian	College-at-Large	2018
<u>Lori Peek</u>	College-at-Large	2018

Natural Resources

Monique Rocca	Ecosystem Science and Sustainability	2017
Julie Savidge (Fall 2016/Fall 2017; Barry Noon (thru Spring 2018))	Fish, Wildlife, & Conservation Biology	2018
Maria Fernandez-Giminez	Forest and Rangeland Stewardship	2017
William Sanford	Geosciences	2017
Richard Knight	HDNR in Warner College	2017
(substituting for Stu Cottrell – sabbatical Fall '16)		

Natural Sciences

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

Veterinary Medicine & Biomedical Sciences

C.W. Miller	Biomedical Sciences	2019
<u>Dean Hendrickson</u>	Clinical Sciences	2019
<u>Lucas Argueso</u>	Environmental & Radiological Health Sciences	2017
Alan Schenkel	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
Marie Legare	College-at-Large	2019
<u>Anne Avery</u>	College-at-Large	2019
<u>Tod Clapp</u>	College-at-Large	2019
Dawn Duval	College-at-Large	2019

University Libraries

Nancy Hunter	Libraries	2019
Naomi Lederer substituting (Fall 2016) for Michelle Wilde	(Excused) At-Large	2019

Ex Officio Voting Members

Mary Stromberger	Chair, Faculty Council/Executive Committee	2017
Stephanie Clemons	Vice Chair, Faculty Council	2017
Paul Doherty, Jr.	BOG Faculty Representative	2017
Don Estep, Chair	Committee on Faculty Governance	2017
Todd Donovan, Chair	Committee on Intercollegiate Athletics	2017
Nancy Hunter, Chair	Committee on Libraries	2017
Jenny Morse, Chair	Committee on Non-Tenure Track Faculty	2017
Dan Turk, Chair	Committee on Responsibilities & Standing of Academic Faculty	2017
William Sanford, Chair	Committee on Scholarship Research and Graduate Education	2017
Karen Barrett, Chair	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
Carole Makela, Chair	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

Annual Report of the University Grievance Officer for 2016

One duty of the UGO is to oversee the disciplinary process for tenured faculty, as described in Section E.15 of the Manual. During calendar year 2106, this process was never initiated.

Another duty of the UGO is to manage the grievance process, as described in Section K of the Manual. During calendar year 2016, the UGO dealt with 24 cases from 22 faculty members and 4 cases from 4 administrative professionals. The distribution of the 22 faculty members by college is as follows:

Agricultural Sciences	2
Business	3
Engineering	2
Health & Human Sci.	2
Liberal Arts	5
Natural Sciences	6
Natural Resources	1
Vet. Med.& Biom. Sci.	1

The distribution of the 4 administrative professionals is as follows:

Student Affairs	2
Vet. Med. & Biom. Sci.	2

Before summarizing these cases, it is important to note that, if a case is ruled not to be grievable, then it cannot be pursued through the grievance process. However, the UGO can choose to hold off on making this determination in order to have discussions with the persons involved and even to allow the case to proceed to formal mediation. On the other hand, a case cannot proceed to a formal hearing unless it is ruled to be grievable.

For the 4 cases involving administrative professionals, one cases involved termination for cause, one case involved a reassignment of duties with a reduction in pay, one case involved the manner in which an investigation was handled, and, for the remaining case, the employee contacted the UGO via email, but then decided that it was best not to pursue the issue through Section K, so the issue was never discussed with the UGO. Since administrative professionals are at-will employees, the first case was not grievable. For the second case, it turned out that the employee's position was eliminated, but the employee was then offered a new position at a lower pay with different duties, so this was not grievable either. For the third case, it turned out that an investigation had led to a recommendation that the employee be terminated for cause. The employee decided to resign instead, so this was not grievable. None of these cases led to formal mediation or a formal hearing.

For the 22 faculty members, 15 were tenured faculty, 3 were tenure-track faculty, 3 were special faculty, and 1 was a temporary faculty. For the 1 temporary faculty, the case involved a lack of renewal. Since temporary faculty are at-will, this case was not grievable. For the 3 special faculty, two cases involved termination for cause. Since special faculty are at-will, these two cases were not grievable. The remaining case involved a conflict over the accommodation of a student with a disability. This conflict was resolved through discussions between the UGO and the persons involved. For the 3 cases involving tenure-track faculty, all three cases involved recommendations to deny tenure. In one of these cases, the faculty member decided to accept the denial of tenure and not file a grievance (this case began last year and finished up this year). The other two cases began this year and are still working their way through the tenure process. In two of these three cases, I worked closely with the faculty members involved to help them with written responses at the various stages of the process. None of these 7 cases involving nontenured faculty led to formal mediation or a formal hearing (but two of the tenure cases could still lead to a formal hearing).

For the 15 tenured faculty members, there were 17 cases. Two of these cases involved the denial of promotion to full professor. In one of these cases, the faculty member decided to accept the denial of promotion and not file a grievance. The other case led to a formal grievance hearing, and the hearing committee found in favor of the grievant and recommended promotion. This recommendation from the hearing committee was accepted by both the Provost and the President, and the faculty member was promoted to full professor.

Five of these cases involved challenges to annual evaluations. One of these cases was resolved through discussions between the UGO and the persons involved. Two of these cases were resolved through formal mediation. The remaining two cases led to formal grievance hearings. In one of these two hearings, the hearing committee found in favor of the supervisor. In the other hearing, the hearing committee found in favor of the grievant on some issues and in favor of the supervisor on other issues. For each of these two hearings, the recommendation from the hearing committee was accepted by both the Provost and the President.

Two of these cases involved letters of reprimand. In one case, the faculty member decided not to pursue a grievance. The other case was resolved through discussions between the UGO and the persons involved.

One case involved the termination of an administrative appointment. This case was resolved through discussions between the UGO and the persons involved. Another case involved a faculty member having a lower salary than they felt was deserved. In this case, the person decided not to pursue a grievance. In another case, a faculty member had received the incorrect pay on multiple occasions, although the pay had always been corrected later. This issue was ruled not to be grievable, but the UGO did talk with the persons involved to try to make sure that the situation does not keep recurring.

One case involved a charge of bullying. This case was resolved through discussions between the UGO and the persons involved. Another case involved a claim of defamation by the department chair. This case was resolved through discussions between the UGO and the persons involved.

Another case involved a request for a transitional appointment of four years that was granted only for two years. This case was ruled not to be grievable.

One case involved a claim of an unfair teaching assignment. In this case, the person decided not to pursue a grievance. Another case involved a claim of an unfair workload. This case was resolved through discussions between the UGO and the persons involved.

In summary, for the 17 cases involving tenured faculty, in four cases, the faculty member decided not to pursue a grievance; two cases were ruled not to be grievable; six cases were resolved through discussions between the UGO and the persons involved; two cases were resolved through formal mediation; and three cases led to formal grievance hearings. One of these three hearings found for the grievant, one of these hearings found for the supervisor, and the remaining hearing found for the grievant on some issues and for the supervisor on other issues. For each of these three hearings, both the Provost and the President accepted the recommendations of the hearing committee.

Submitted by: Richard Eykholt,
University Grievance Officer

A regular meeting of the University Curriculum Committee was held on November 11, 2016, at 2:00 p.m.

Members present: Chair Carole Makela, Professors Ed DeLosh, Bradley Goetz, Brad Reisfeld, Howard Ramsdell, Sally Sutton, Mike Hogan, Beth Oehlerts and Graduate Student Representative Kevin Jablonski.

Curriculum Unit: Kayleen Allen and Shelly Ellerby.

Guests: Linda Selkirk (CSU Online) and Katie Risheill (Registrar's Office).

Absent: VPUA Kelly Long (ex-officio), Paul Mallette and Undergraduate Student Representative.

Minutes

The Minutes of November 4, 2016 were approved.

Consent Agenda

The Consent Agenda was approved.

New Courses

Effective Term

ART 327 Issues in Art Education and the Public 3(3-0-0) SS

Summer 2017

Prerequisite: None.

Registration Information: Junior standing. This is a partial semester course. Offered as an online course only.

Description: Introduce students to the concepts relating to Art Education in contemporary society.

Grade Mode: Traditional.

MU 592A Seminar: Music Theory Var[1-3] F, S, SS

Fall 2017

Prerequisite: None.

Registration Information: Graduate standing. May be repeated up to three times for credit.

Description: Special Topics in Music Theory.

Grade Mode: Traditional.

Offering Term: As Needed.

MU 592E Seminar: Music History Var[1-3] F, S, SS

Fall 2017

Prerequisite: MU 334; MU 335.

Registration Information: May be repeated up to three times for credit.

Description: Special Topics in Music History.

Grade Mode: Traditional.

Offering Term: As Needed.



Major Changes to Courses

Effective Term

ETST 253 Chicanx Chicana/o History and Culture 3(3-0-0) F

Fall 2017

Prerequisite: None.

Registration Information: None.

Description: Historical study of Chicanx Chicana/o and Mexican people and culture from Spanish colonization to beginning of 20th century

Grade Mode: Traditional

Offering Year: ~~Odd~~-Every.

[Existing AUCC 3E Global & Cultural Awareness course]

ETST 432 Latinx Latina/o Routes to Empowerment 3(3-0-0) S

Fall 2017

Prerequisite: (ETST 100) or (ETST 101-499 at least 6 credits). ~~None~~.

Registration Information: Sophomore standing.

Description: Critical examination of political and economic strategies used to incorporate Chicanx/Latinx Chicana/o/Latina/o groups into U.S. society.

Grade Mode: Traditional

GEOL 150 Physical Geology for Scientists and Engineers 4(3-3-0) F

Fall 2017

Prerequisite: None.**Registration Information:** Must register for lecture and laboratory. Required field trips. Credit allowed for only one of the following: GEOL 120, GEOL 122, GEOL 124, GEOL 150. Credit not allowed for both GEOL 150 and GEOL 121.**Description:** Earth materials, structures, and surface processes. Geologic analysis using field data, topographic and geologic maps, and aerial photos.**Grade Mode:** Traditional[\[Approved for AUCC 3A proposal for Biological/Physical Sciences\]](#)**MATH 141 Calculus in Management Sciences 3(3-0-0) F, S, SS**

Fall 2017

Prerequisite: MATH 118.**Registration Information:** [Sections may be offered: Online.](#) Credit allowed for only one of the following courses: MATH 141, MATH 155 or MATH 160.**Description:** Analytic geometry, limits, equilibrium of supply and demand, differentiation, integration, applications of the derivative, integral.**Grade Mode:** Traditional.

[AUCC 1B: Mathematics]

MATH 501 Combinatorics I 3(3-0-0) F, S, SS

Fall 2017

Prerequisite: (MATH 301) and (MATH 360 or MATH 366).**Registration Information:** [Sections may be offered: Online.](#)**Description:** Puzzles, numbers and counting, subsets, recurrence relations, generating functions, inversion, counting with symmetry, networks, matchings.**Grade Mode:** Student Option.**PSY 192 Psychology First-Year Seminar 1(0-0-1) F, S**

Fall 2017

Prerequisite: None.**Registration Information:** Sections may be offered: Online.**Description:** [Introduction to and discussion of topics in the major branches of psychology.](#) ~~Special topics in psychology.~~**Grade Mode:** [Traditional](#) ~~S/U-Sat/Unsat Only~~**New Graduate Certification**

College of Health and Human Sciences

Department of School of Education

Graduate Certificate in High Impact On-Demand Learning Solutions

Effective Fall 2017

Additional coursework may be required due to prerequisites.

Code	Title	Credits
EDOD 651	On-Demand Learning–Improving Performance	3
EDOD 652	High Impact On-Demand Solutions	3
EDOD 653	Managing Development of On-Demand Solutions	3
Total Credits		9

*This certificate may have courses in common with other graduate certificates. A student may earn more than one certificate, but a given course may be counted only in one certificate.



New Degree Program

College of Natural Sciences
 Department of Psychology
 Master of Addiction Counseling, Plan C (M.A.C.)

Effective Fall 2017

Effective Fall 2017

First Year		
Fall		Total Credits
<u>PSY 612</u>	Introduction to Addiction Counseling	3
<u>PSY 675</u>	Ethics and Professional Psychology Practice	3
<u>PSY 724</u>	Motivational Interviewing	3
<u>PSY 726</u>	Neuropharmacology of Addiction	3
Total Credits		12
Spring		
<u>PSY 613</u>	Advanced Addiction Counseling	3
<u>PSY 720</u>	Psychopathology	3
<u>PSY 776</u>	Business and Practice of Addiction Counseling	3
<u>PSY 793</u>	Clinical Supervision of Addiction Counseling	3
Total Credits		12
Second Year		
Fall		
<u>PSY 786E</u>	Advanced Practicum: Clinical	9
Total Credits		9
Spring		
<u>PSY 786E</u>	Advanced Practicum: Clinical	9
Total Credits		9

Program Total Credits:

42

A minimum of 42 credits are required to complete this program.



Major Change to Existing Programs

College of Health and Human Sciences
 Department of School of Education

Effective Fall 2017

Ph.D. in Education and Human Resource Studies, Higher Education Leadership Specialization, College and University Leadership Option

Effective Fall 2017 ~~Spring 2014~~

First Year		
EDHE 671	Higher Education Administration	3
EDHE 673	Student Development Theory	3
<u>EDHE 771</u>	<u>Higher Education Leadership</u>	<u>3</u>
<u>EDHE 773</u>	<u>Student Development in a Collegiate Context</u>	<u>3</u>
<u>EDRM 702</u>	Foundations of Educational Research	3
<u>EDUC 709</u>	Leadership Development	3
<u>EDUC 710</u>	Higher Education Finance	3
Credits		15
Second Year		
<u>EDCL 701</u>	Higher Education Law	3
<u>EDRM 704</u>	Qualitative Research	3
<u>EDRM 705</u>	Qualitative Data Analysis	3
<u>EDUC 675</u>	Analyzing Education Literature	3
<u>EDUC 725</u>	Professionalism in Education and Leadership	3
Credits		15
Third Year		
<u>EDOD 769</u>	Theory and Practice of Change	3
EDRM 666	Program Evaluation	3
<u>EDRM 700</u>	Quantitative Research Methods	3
<u>EDRM 707</u>	Quantitative Data Collection Methods/Analysis	3
<u>EDUC 714</u>	Education Policy Analysis	3
<u>EDUC 715</u>	<u>Critical Issues for Special Populations</u>	<u>3</u>
Credits		15

Fourth Year		
<u>EDCL 750</u>	Simulated Presidential Cabinet I	3
<u>EDHE 799</u>	<u>Dissertation</u>	<u>9</u>
<u>EDRM 792B</u>	Seminar: Proposal Development	3
<u>EDRM 799</u>	<u>Dissertation</u>	<u>9</u>
Credits		15
Program Total Credits		60
<u>Completed Ph.D. Coursework Total</u>		<u>60</u>
<u>Completed Master's Coursework Total</u>		<u>30</u>
<u>Total Credits</u>		<u>90</u>

A minimum of ~~60~~90 credits are required to complete this program.



College of Natural Sciences
Master of Natural Sciences Education, Plan C (M.N.S.E.)

Effective Fall 2017

Effective ~~Effective Fall 2014~~ Fall 2017

Code	Title	Credits
OPTION 1:		
Education Courses		
<u>EDRM 602</u>	Action Research ¹	3
<u>EDUC 619</u> or <u>NSCI 612</u>	Curriculum Development ¹ <u>Myth Busters – Science/Controversy/Evaluation</u>	3
<u>EDUC 660</u>	Advanced Methods-Science and Math Instruction	3
Natural Science Courses		
Select at least 18 credits from the following:		18-19
<u>NSCI 619</u>	Physics for Science Educators ¹	
<u>NSCI 620</u>	Chemistry for Science Educators ¹	
<u>NSCI 630</u>	Spectroscopy for Science Educators ¹	
<u>NSCI 640</u>	Energetics for Science Educators ¹	
<u>NSCI 650</u>	Pollution and Environmental Biology for Educators ¹	
<u>NSCI 660</u>	Evolutionary Biology for Educators ¹	

STAT 511	Course STAT 511 Not Found
STAT 511A	Design and Data Analysis for Researchers I: R Software

Independent Study

NSCI 695	Independent Study for the MNSE ²	3
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Program Total Credits **30-31**

Code	Title	Credits
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OPTION 2:

Education Courses		
EDRM 602	Action Research ¹	3
EDUC 619 or NSCI 612	Curriculum Development ¹ Myth Busters – Science/Controversy/Evaluation	3
EDUC 660	Advanced Methods-Science and Math Instruction	3

Natural Science Courses

Select at least 15 credits from the following:	15-16
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NSCI 619	Physics for Science Educators ¹	
NSCI 620	Chemistry for Science Educators ¹	
NSCI 630	Spectroscopy for Science Educators ¹	
NSCI 640	Energetics for Science Educators ¹	
NSCI 650	Pollution and Environmental Biology for Educators ¹	
NSCI 660	Evolutionary Biology for Educators ¹	
STAT 511	Course STAT 511 Not Found	
STAT 511A	Design and Data Analysis for Researchers I: R Software	

Research

NSCI 698	Research Experience in Natural Sciences ³	6
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Program Total Credits **30-31**

¹ Offered only as an online or blended course.

² The independent study requires enrollment in the summer session after completing the program's course ~~and research~~ requirements. It involves weekly meetings of the student with her/his research advisor, but does not require full-time residency on campus.

³ ~~The research experience requires full time enrollment in the summer session after completing the program's course requirements. Requires registration for a 6-week summer session at full time. Students will complete the research experience requirement in the summer after their first year they are enrolled in the Program.~~ Instructors are graduate student advisors who hold regular faculty appointments in the Departments of Biology, Chemistry, or Physics.



Request to Add a Master of Addiction Counseling, Plan C

A request by the Department of Psychology to add a Master of Addiction Counseling, Plan C was approved. The recommended effective date, subject to special action by Faculty Council and approval by the Board of Governors and CCHE is Fall Semester 2017.

Updates and Corrections to Previous UCC Minutes

1. STAA 565 was approved as a new course on the 4/8/11 UCC minutes effective Summer 2012. The course was originally approved with the prerequisite wording: "Concurrent registration in STAA 551". The prerequisite wording should read: "STAA 551, may be taken concurrently".

STAA 565 Quantitative Reasoning 1(1-0-0) F

Summer 2012

Prerequisite: STAA 551, may be taken concurrently.

Registration Information: Written consent of instructor. This is a partial-semester course.

2. HDF5 470 was approved with changes to the course on the 4/15/16 UCC minutes effective Spring 2017. The wording: "Human Development and Family Studies majors only" should be omitted from the registration information field.

HDFS 470 Campus Connections– Corps: Mentoring At-Risk Youth 3(0-4-2) F, S, SS.

Spring 2017

Prerequisite: None.

Registration Information: Completion of AUCC 3C Social and Behavioral Sciences.; Human Development and Family Studies majors only. Written consent of instructor. Required background check through CBI, FBI. Course may be taken for a maximum of 9 credits.

3. MATH 230 was approved with changes to the course on the 5/6/16 UCC Consent Agenda effective Spring 2017. The original registration information wording: "Credit not allowed for only one of the following: MATH 230, ~~MATH 301~~, MATH 330" is incorrect. The correct wording should be: "Credit not allowed for both MATH 230 and MATH 330."

MATH 230 Discrete Mathematics for Educators

Registration Information: Credit not allowed for both MATH 230 and MATH 330.

Spring 2017

4. ANTH 375 was approved with major changes to the course on the 4/22/16 UCC minutes. The course was originally approved with the effective date of Fall 2017. The correct effective date is Spring 2017.

ANTH 375 Evolution of Primate Behavior 3(3-0-0) F S

Spring 2017

5. CHEM 573F was approved as a new course on the 4/29/16 UCC minutes effective Spring 2017. The registration information field should include the language: "This is a partial semester course."

CHEM 573F Chemical Spectroscopy: Computational Spectroscopy 1(1-0-0) [As needed]

Spring 2017

Prerequisite: CHEM 575; CHEM 576; CHEM 571A; CHEM 571B.

Registration Information: This is a partial semester course.

6. The Dual Degree Program: Biomedical Engineering and Chemical and Biological Engineering was approved with major changes to the program on the 4/22/16 UCC minutes. The course list of Approved CBE Technical Electives included BIOM/671/MECH 671 Orthopedic Tissue Biomechanics. This course should be omitted from the list as 600-level course cannot be offered for undergraduate degrees.

Approved CBE Technical Electives for BME-CBE BS Program

Program Code

Title

Credits

Select 5 credits from the following:

BIOM 671/MECH 671

Orthopedic Tissue Biomechanics

3

7. The Major in Electrical Engineering, Lasers and Optical Engineering Concentration was approved with major changes to the program on the 4/15/16 UCC minutes effective Fall 2016. The major was approved with ECE 303 as an additional required course Sophomore year. The course should be dual listed with STAT 303.

SOPHOMORE

CHEM 111	General Chemistry I (GT-SC2)	3A	4
ECE 202	Circuit Theory Applications		4
ECE 303/STAT 303	Introduction to Communications Principles		3

The meeting adjourned at 3:40 p.m.

(FC) 12/2/16

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



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

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

Curriculum Unit: Kayleen Allen and Shelly Ellerby.

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

Absent: Mike Hogan and Undergraduate Student Representative.

Minutes

The Minutes of November 11, 2016 were approved.

Consent Agenda

The Consent Agenda was approved.

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

GEOL 201 Field Geology of the Colorado Front Range 1(0-2-0) F Fall 2017

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

GES 460 Law and Sustainability 3(3-0-0) F Fall 2017

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

MLSC 235 Military Tactical Leadership 1(0-2-0) F Fall 2017

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

NSCI 677 Microscopic Image Collection & Processing 2(2-0-0) F Fall 2017

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

PSY 677 Psychology of Women, Men, and Gender 3(0-0-3) F, S, SS Fall 2017

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

<i>Major Changes to Courses</i>	<i>Effective Term</i>
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<p>ETST 332 Contemporary Chicana/o Issues 3(3-0-0) S Fall 2017</p> <p>Prerequisite: None. Registration Information: None. Description: Current Chicana/o issues including conquest, immigration, urbanization, health in context of societal trends. Grade Mode: Traditional</p>	
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ETST 454/SPCM 454 Chicany Chicano/a Film and Video 3(2-2-0) F Fall 2017
Prerequisite: ETST 100-499 or SPCM 100-499 - at least 3 credits. ~~None.~~
Registration Information: Must register for lecture and laboratory. Sophomore standing. Credit not allowed for both ETST 454 and SPCM 454.
Description: Emergence of Chicany Chicano/a cinema from a place of displacement, resistance, and affirmation found in contemporary Chicany Chicano/a film, video.
Grade Mode: Traditional

VS 661 Neurology and Neurosurgery Laboratory 1(0-23-0) S Fall 2017
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: This is a partial semester course. DVM degree or equivalent professional medicine degree required.
Description: Laboratory practice of comparative neurology (large and small animal), neurosurgical techniques and procedures. ~~Production and correction of surgically amenable lesions in central and peripheral nervous system; electrodiagnosis.~~
Grade Mode: Traditional
Permanent Partial Semester: ~~Yes~~ No
Term Offered: Spring (every third year).



Major Changes to Existing Programs

Effective Term

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

Effective Fall 2017

Effective Fall 2017 ~~2016~~

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

MATH 160	Calculus for Physical Scientists I (GT-MA1)	1B	4
MATH 161	Calculus for Physical Scientists II (GT-MA1)	1B	4
PH 141	Physics for Scientists and Engineers I (GT-SC1)	3A	5
Additional Requirements for Graduation ¹			0
Total Credits			<u>3134-35</u>

SOPHOMORE

CHEM 113	General Chemistry II		3
CO 150	College Composition (GT-CO2)	1A	3

<u>Select one group from the following:</u>		-	<u>3-4</u>
<u>Group A:</u>		-	-
CS 155	<u>Introduction to Unix</u>	-	-
CS 156	<u>Introduction to C Programming I</u>	-	-
CS 157	<u>Introduction to C Programming II</u>	-	-
<u>Group B:</u>		-	-
CS 163 or 164	<u>Java (CS1) No Prior Programming</u> <u>Java (CS1) Prior Programming</u>	-	-

ECE 202	Circuit Theory Applications		4
ECE 251	Introduction to Microprocessors	-	4
ECE 303/STAT 303	Introduction to Communications Principles		3
LIFE 102	Attributes of Living Systems (GT-SC1)	3A	4
MATH 261	Calculus for Physical Scientists III		4
Select one course from the following:			4
MATH 340	Introduction to Ordinary Differential Equations		
MATH 345	Differential Equations		
MECH 337	Thermodynamics	-	4
PH 142	Physics for Scientists and Engineers II (GT-SC1)	3A	5
Additional Requirements for Graduation ¹			0
Total Credits			<u>30-3132</u>

JUNIOR

BMS 300	Principles of Human Physiology	-	4
CHEM 245	Fundamentals of Organic Chemistry	-	4
ECE 303/STAT 303	Introduction to Communications Principles	-	3
BIOM 300	<u>Problem-Based Learning Biomedical Engr Lab</u>		<u>4</u>
ECE 311	Linear System Analysis I		3

ECE 312	Linear System Analysis II		<u>3</u>
ECE 331	Electronics Principles I		4
ECE 332	Electronics Principles II		4
ECE 341	Electromagnetic Fields and Devices I		3
ECE 342	Electromagnetic Fields and Devices II		3
LIFE 210	Introductory Eukaryotic Cell Biology		3
MECH 262	Engineering Mechanics	-	4
Arts and Humanities		<u>3B</u>	<u>3</u>
Global and Cultural Awareness		3E	3
Additional Requirements for Graduation ¹			0
Total Credits			33
SENIOR			
BIOM 300	Problem-Based Learning Biomedical Engr Lab	-	4
ECE 331	Electronics Principles I	-	4
ECE 332	Electronics Principles II	-	4
BIOM 431/ECE 431	Biomedical Signal and Image Processing		<u>3</u>
BMS 300	Principles of Human Physiology		<u>4</u>
CHEM 245	Fundamentals of Organic Chemistry		4
ECE 251	Introduction to Microprocessors		<u>4</u>
ECON 202	Principles of Microeconomics (GT-SS1)	3C	3
Arts and Humanities		3B	3
ECE Technical Electives²		-	9
MECH 262	Engineering Mechanics		<u>4</u>
MECH 337	Thermodynamics		<u>4</u>
ECE Technical Electives (See list below)²		-	<u>6</u>
Additional Requirements for Graduation ¹			0
Total Credits			<u>32/27</u>
FIFTH YEAR			
BIOM 486A	Biomedical Design Practicum: Capstone Design I	4A,4B,4C	4
BIOM 486B	Biomedical Design Practicum: Capstone Design II	4A,4B,4C	4
Select one from the following:			3
CO 301B	Writing in the Disciplines: Sciences (GT-CO3)	2	
JTC 300	Professional and Technical Communication (GT-CO3)	2	

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

BME Technical Electives:

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

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

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

Electrical Engineering Technical Electives

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

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

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



College of Natural Sciences
Department of Statistics
Minor in Applied Statistics

Effective Spring 2017

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

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

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

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

Program Total Credits:**21**

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

**Updates and Corrections to Previous UCC Minutes**

The meeting adjourned at 3:55 p.m.

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



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

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

Curriculum Unit: Kayleen Allen and Shelly Ellerby.

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

Absent: Undergraduate Student Representative.

Minutes

The Minutes of December 2, 2016 were approved.

Consent Agenda

The Consent Agenda was approved.

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

AGRI 575 Livestock-Wildlife Conflict & Law 3(3-0-0) F	Fall 2017
<p>Prerequisite: AGRI 300 or AGRI 500 or AREC 342 or AREC 375 or NR 320 or NR 425 or POLS 361. Registration Information: Graduate standing. Offered as an online course only. Credit not allowed for both AGRI 575 and AGRI 581A2. Description: Investigation of the laws and policies surrounding livestock wildlife interaction and conflict at the federal, state, and international levels. Grade Mode: Traditional.</p>	
ANTH 225 Anthropology of Music and the Arts 3(3-0-0) F	Fall 2017
<p>Prerequisite: None. Registration Information: None. Description: Explores music and the arts (visual and performing) from the perspective of cultural anthropology. What is art and how is the category differently constructed cross-culturally? Why and how do people make, consume, and identify with expressive culture? How can art and music help us to develop a deeper understanding of how human beings make meaning? Read a variety of ethnographic texts that illuminate these and related questions. Grade Mode: Traditional. Offering Year: Odd.</p>	
CIVE 511 Coastal Engineering 3(3-0-0) F	Fall 2017
<p>Prerequisite: CIVE 401. Registration Information: Bachelor's degree required. Credit not allowed for both CIVE 511 and CIVE 580A6. Description: Coastal processes (waves, tides, storm surge, currents, coastal morphology, deltas) and their effects on infrastructure design and eco-protection. Grade Mode: Traditional. Offering Year: Odd.</p>	
E 643 Special Topics in Literary Craft 3(0-0-3) As Needed	Fall 2017
<p>Prerequisite: None. Restriction: Must be a Graduate, Professional. Registration Information: Admission into MA English or MFA Creative Writing Programs. Description: A seminar-based class combining creative and craft-based experiments with traditional literary critical approaches to various topics utilizing poetry, fiction, creative non-fiction, and other alternate hybrid genres. Grade Mode: Traditional</p>	
ECE 517/BIOM 517 Advanced Optical Imaging 3(3-0-0) F	Fall 2017
<p>Prerequisite: ECE 342; MATH 340 or MATH 345. Registration Information: Credit allowed for only one of the following: BIOM 517, BIOM 581B7, ECE 517 or ECE 581B7. Description: Engineering design principles of advanced optical imaging techniques and image formation theory. Grade Mode: Traditional. Offering Year: Even.</p>	
ECE 518/BIOM 518 Biophotonics 3(3-0-0) F	Fall 2017
<p>Prerequisite: ECE 342 or ECE 457 or MATH 340 or MATH 345. Registration Information: Credit allowed for only one of the following: BIOM 518, BIOM 581A9, ECE 518 or ECE 581A9. Description: Engineering design principles of optical instrumentation for medical diagnostics. Light propagation and imaging in biological tissues. Grade Mode: Traditional. Offering Year: Odd.</p>	

EDHE 658 Higher Education Enrollment Management 3(3-0-0) S	Spring 2018
Prerequisite: None.	
Registration Information: None.	
Restriction: Must be a: Graduate, Professional.	
Description: Holistic understanding of enrollment management beginning with understanding factors shaping students' college choice options and decisions. Exploration of theory, policy and practice of marketing, admissions, financial aid, tuition setting, and retention as critical areas of enrollment management.	
Grade Mode: Traditional.	
FW 558 Conservation Genetics of Wild Populations 3(2-0-1) S	Spring 2018
Prerequisite: BZ 350 or LIFE 201; LIFE 220 or LIFE 320; STAT 301 or STAT 307.	
Registration Information: Graduate standing. Admission to a graduate program in Fish, Wildlife, and Conservation Biology. Must register for lecture and recitation. Written consent of instructor. Offered as an online course only.	
Description: Examine the background, concepts, and tools required to determine how genetic data can be used to evaluate wild vertebrate species and communities of conservation concern.	
Grade Mode: Traditional.	
HIST 505 Historical Method – Digital History 3(3-0-0) F	Fall 2017
Prerequisite: None.	
Registration Information: Graduate standing. Credit not allowed for both HIST 505 and HIST 580A1.	
Description: Historiographical skills and methods; emphasis on theory and practice of digital history.	
Grade Mode: Traditional.	
Offering Year: Odd	
MSE 501 Materials Technology Transfer 1(1-0-0) F	Fall 2017
Prerequisite: MECH 331.	
Registration Information: Graduate standing.	
Description: The pathways toward commercialization of materials from research. Case studies, technology readiness levels, proposal writing, entrepreneurship, and intellectual property practices.	
Grade Mode: S/U Sat/Unsat Only	
MSE 502A Materials Science & Engineering Methods: Materials Structure and Scattering 1(1-0-0) F	Fall 2017
Prerequisite: MECH 331; MATH 345.	
Registration Information: Senior standing.	
Description: Introduction to the atomic level arrangements of materials, defects related to these structures, and X-ray Diffraction, X-ray scattering, and electron diffraction methods.	
Grade Mode: Traditional.	
MSE 502B Materials Science & Engineering Methods: Computational Materials Methods 1(1-0-0) F	Fall 2017
Prerequisite: MECH 331; MATH 340 or MATH 345.	
Registration Information: Senior standing.	
Description: Introduction to mathematical and computational methods that are used to model materials: Simulation/Modeling, Monte-Carlo, Monte-Carlo Potts, Density Functional Theory, and other approaches.	
Grade Mode: Traditional.	
MSE 502C Materials Science & Engineering Methods: Materials Microscopy 1(1-0-0) F	Fall 2017
Prerequisite: MECH 331; CHEM 431; MATH 340 or MATH 345.	
Registration Information: Senior standing.	
Description: Introduction to modern microscopy techniques for materials research using optical microscopy. Interferometry and confocal techniques, scanning electron, microscopy transmission electron microscopy, and scanning probe microscopy.	
Grade Mode: Traditional.	

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

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

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



Updates and Corrections to Previous UCC Minutes

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

<u>LSGN 100</u>	American Sign Language I	Course Number: 100101 109	Fall 2017
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Registration Information: Open to all levels. Credit not allowed for both LSGN 100 and LSGN 109.

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

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

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

<u>LARA 101</u>	First-Year Arabic II	Course Number: 101 107	Fall 2017
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Prerequisite Courses: ~~LARA 100~~ 101 or LARA 105.

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

The meeting adjourned at 5:05 p.m.

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



A regular meeting of the University Curriculum Committee was held on January 20, at 2:00 p.m.

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

Curriculum Unit: Kayleen Allen.

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

Absent: Shelly Ellerby, Beth Oehlerts and Undergraduate Student Representative.

Minutes

The Minutes of December 9, 2016 were approved.

Consent Agenda

The Consent Agenda was approved.

<i>New Courses</i>	<i>Effective Term</i>
BZ 670 Teaching Scientific Reasoning & Argumentation 3(3-0-0) F Prerequisite: None. Registration Information: BS or BA in natural sciences. Credit not allowed for both BZ 670 and BZ 680A1. Restriction: Must be a: Graduate, Professional. Description: Nature of science (NoS), scientific reasoning, scientific argumentation, and instructional strategies develop science argumentation and communication skills in undergraduate courses. Creation of instructional materials for a teaching portfolio. Grade Mode: Traditional.	Fall 2017
FIN 612 Private Equity and Venture Capital 1(1-0-0) F, S, SS Prerequisite: BUS 640. Registration Information: Offered as an online course only. This is a partial semester course. Credit not allowed for both FIN 612 and FIN 669. Description: The role and function of the private equity market and key players in that market, including crowdfunding, angel investors, and venture capitalists. Application of financial tools and models to value venture investments, evaluate risk and return, and negotiate deals Grade Mode: Traditional.	Fall 2017
MECH 578/BIOM 578 Musculoskeletal Biosolid Mechanics 3(3-0-0) F Prerequisite: CIVE 360. Registration Information: Graduate standing. Credit allowed for only one of the following: BIOM 578, MECH 578, or MECH 580A7. Description: Application of engineering concepts to quantify the mechanical behavior of load-bearing biological tissues and orthopaedic implant performance. Grade Mode: Traditional.	Fall 2017
MSE 503 Mechanical Behaviors of Materials 3(3-0-0) S Prerequisite: MSE 501 or MSE 502A or MECH 331; MATH 340 or MATH 345. Registration Information: Senior standing. Description: The mechanical behavior of metals, polymeric, ceramic, and composite materials in mechanical designs from a structure to processing to properties perspective. Practical and specific performance analyses of structural materials are examined. Grade Mode: Traditional.	Fall 2017

MSE 504 Thermodynamics of Materials 3(3-0-0) F	Fall 2017
Prerequisite: CBE 210 or CHEM 476 or MECH 331 or PH 361; MATH 340 or MATH 345.	
Registration Information: Senior standing.	
Description: The determination of whether and the means by which a given reaction can occur. Macroscopic and microscopic solid-state thermodynamics with experimental methodologies for characterizing them, with a focus on thermodynamic and statistical mechanical aspects of material structure-property relationships.	
Grade Mode: Traditional.	
MSE 505 Kinetics of Materials 3(3-0-0) S	Fall 2017
Prerequisite: MSE 504.	
Registration Information: Senior standing.	
Description: The determination of whether and the means by which a given reaction can occur. Macroscopic and microscopic solid-state kinetics with experimental methodologies for characterizing them, with a focus on the kinetic aspects of material structure-property relationships.	
Grade Mode: Traditional.	
MSE 695 Independent Study Var[1-5] F, S, SS	Fall 2017
Prerequisite: None.	
Registration Information: Written consent of advisor.	
Restriction: Graduate standing.	
Description: Independent study of special topics in materials science and engineering.	
Grade Mode: Instructor Option.	
MSE 784 Supervised College Teaching Var[1-5] F, S, SS	Fall 2017
Prerequisite: None.	
Registration Information: Written consent of advisor.	
Restriction: Must be a: Graduate, Professional.	
Description: Supervised college teaching in materials science and engineering.	
Grade Mode: Instructor Option	
MSE 795 Independent Study Var[1-5] F, S, SS	Fall 2017
Prerequisite: None.	
Registration Information: Written consent of advisor.	
Restriction: Must be a: Graduate, Professional.	
Description: Advanced independent study of special topics in materials science and engineering.	
Grade Mode: Instructor Option.	
MSE 799 Dissertation Var[1-12] F, S, SS	Fall 2017
Prerequisite: None.	
Registration Information: Written consent of advisor.	
Restriction: Must be a: Graduate, Professional.	
Description: Dissertation in materials science and engineering.	
Grade Mode: Instructor Option.	
MU 110 Music and Technology 3(2-2-0) As Needed	Fall 2017
Prerequisite: None.	
Registration Information: Must register for lecture and laboratory.	
Description: Historical and cultural perspectives on the role of technology in music combined with applied skills in digital music production.	
Grade Mode: Traditional.	
[Approved as AUCC 3B: Arts & Humanities]	

<p>MU 132 Exploring World Music 3(3-0-0) F, S, SS</p> <p>Prerequisite: None.</p> <p>Registration Information: Credit not allowed for both MU 132 and MU 380A4.</p> <p>Description: Global aspects of music and its meaning with connections to the environment, sound, and world cultures.</p> <p>Grade Mode: Traditional</p> <p>[Approved as AUCC 3E: Global & Cultural Awareness]</p>	Fall 2017
<p>MU 592D Seminar: Music Education Var[1-3] As Needed</p> <p>Prerequisite: None.</p> <p>Registration Information: Graduate standing. May be repeated up to three times for credit.</p> <p>Description: Special Topics in Music Education.</p> <p>Grade Mode: Traditional.</p>	Fall 2017
<p>PSY 493 Capstone Seminar 3(0-0-3) F, S</p> <p>Prerequisite: PSY 210; PSY 250; PSY 252</p> <p>Registration Information: Senior standing. Sections may be offered: Online.</p> <p>Description: Special, controversial, and emerging topics in psychology, considered in the context of foundational knowledge and principles from the field.</p> <p>Grade Mode: Traditional</p> <p>[Approved as AUCC 4C: Capstone Experience for the following: Major in Psychology, General Psychology Concentration Major in Psychology, Industrial/Organization Psychology Concentration Major in Psychology, Mind, Brain, and Behavior Concentration]</p>	Fall 2017
<p>RRM 410 Food Safety Management 2(2-0-0) F</p> <p>Prerequisite: (CHEM 103 or CHEM 107 or CHEM 111) and RRM 310</p> <p>Registration Information: Junior standing.</p> <p>Details: Management and practical applications of safe food service including sanitation, food borne illness, worker hygiene, proper food temperatures and handling, hazard analysis critical control points, local/state/federal health rules and regulations. ServSafe® Manager Certification.</p> <p>Grade Mode: Traditional.</p>	Fall 2017
<p>STAT 384 Supervised College Teaching Var[1-3] F, S, SS</p> <p>Prerequisite: STAT 342.</p> <p>Registration Information: Sophomore standing. Written consent of instructor. A maximum of 10 combined credits for all 384 and 484 courses are counted toward graduation requirements.</p> <p>Description: Participation as a statistics tutor.</p> <p>Grade Mode: Traditional</p>	Fall 2017
<i>Study Abroad Courses</i>	<i>Effective Term</i>
<p>ENGR 382A Study Abroad: Grand Challenges in Engineering – China</p> <p>3(0-0-3) SS</p> <p>[3rd offering]</p> <p>Prerequisite: None.</p> <p>Registration Information: Credit not allowed for both ENGR 382 and ENGR 382A.</p> <p>Description: Faculty-led study abroad program that includes cultural, language, and engineering instruction. Course will be held at a host institution in China.</p> <p>Grade Mode: Traditional</p>	Summer 2017

SPCM 370A Study Abroad: Bridging Cultures–USA-Italy 3(3-0-0) SS	Summer 2017
<p>Prerequisite: SPCM 200.</p> <p>Registration Information: Credit allowed for only one of the following: SPCM 370A, SPCM 382, or SPCM 382A.</p> <p>Description: Theory, concepts, principles, research methods, and practical skills in the areas of intercultural and cross-cultural communication, construction and negotiation of Italian identity (italianità), and strategies of an effective dialogue with a global mindset. The aim of the course is to transform its participants into culturally aware and skilled global citizens, with the empirical experience of cultural bridging.</p> <p>Grade Mode: Traditional</p>	
SPCM 470A Study Abroad: Cinematic Rome 3(3-0-0) SS	Summer 2017
<p>Prerequisite: Completion of AUCC Category 2.</p> <p>Registration Information: Must have concurrent registration in SPCM 370A. Completion of AUCC Category 2. Credit allowed for only one of the following: SPCM 470A, SPCM 482, or SPCM 482A.</p> <p>Description: Evaluate and discuss ten primary films, along with excerpts from a number of others. Topics: Images of Ancient Rome; Italian Fascism and Its Memory; Italian Neorealism; Images of “Americans” in Rome, and Rome in America; Fellini’s Rome; and Urban Angst, Roman Style. Analyze how Rome functions as a “character” in the movies, the artistic representations of Roman monuments and streetscapes, and the rhetorical functions of Italian cinema.</p> <p>Grade Mode: Traditional</p>	
Major Changes to Courses	Effective Term
<p>AGED 244 Power, <u>Structure, and Tech.</u> Systems in <u>Ag Ed Agricultural Education</u>- <u>31(21-30-0) F, S</u></p> <p>Prerequisite: None.</p> <p>Registration Information: <u>Must register for lecture and laboratory.</u></p> <p>Description: Development of competencies and theory related to agricultural power, <u>structure, and technical</u> systems utilized in school-based agricultural education programs.</p> <p>Grade Mode: Traditional.</p>	Fall 2017
<p>ATS 772 <u>Aerosol Physics, Chemistry, Clouds & Climate</u> <u>Aerosol Chemistry</u>- <u>32(32-0-0) F</u></p> <p>Prerequisite: (CHEM 114 and MATH 161) and (PH 122 or PH 142).</p> <p>Registration Information: None.</p> <p>Restriction: Must be a: Graduate, Professional.</p> <p>Description: <u>The pPhysics and chemistry of atmospheric aerosols including composition, surface properties, size, and interaction with radiation and clouds, including the development of research-grade models of aerosols, clouds, and radiation. sources, sinks.</u></p> <p>Grade Mode: Traditional.</p>	Fall 2017
<p>CON 265 <u>Plan Reading and Quantity Survey</u> <u>Construction Estimating I</u>- <u>3(2-2-0) F, S</u></p> <p>Prerequisite: CON 131 and CON 151.</p> <p>Registration Information: Must register for lecture and laboratory. <u>Required field trips.</u></p> <p>Description: <u>Practice in construction document reading, interpretation and analysis for quantity surveying and material quantity organizing using industry-recognized methods including, but not limited to, a project manual-based work breakdown structure. Integration of construction materials and methods into construction systems that will be incorporated in projects.</u></p> <p>Grade Mode: Traditional.</p>	Fall 2017
<p>E 607A Teaching Writing: Composition and Rhetoric 3(3-0-0) F, S</p> <p>Prerequisite: None.</p> <p>Registration Information: None.</p> <p>Restriction: Must be a: Graduate, Professional.</p> <p>Description: <u>Addresses theoretical and applied understandings of reading and writing processes in the first-year college writing classroom; considers practical implications for professional practice in the teaching of writing; critically examines theory, disciplinary conventions, and policies in regard to writing pedagogy</u></p> <p>Grade Mode: <u>S/U Sat/Unsat Only</u> Traditional.</p>	Fall 2017

ETST 205 Ethnicity and the Media 3(3-0-0) F	Fall 2017
<p>Prerequisite: None.</p> <p>Registration Information: Sections may be offered: Online.</p> <p>Description: Ethnic representation across time as represented in auto/biography, fiction, poetry, and popular media.</p> <p>Grade Mode: Traditional [existing AUCC 3E: Global & Cultural Awareness and gtP: Human Behavior, Culture, or Social Frameworks (GT-SS3)]</p>	
HDFS 410 Socioemotional Development in Childhood 3(3-0-0) F, S, SS	Fall 2017
<p>Prerequisite: HDFS 310.</p> <p>Registration Information: Completion of 60 credits. Sections may be offered: Online. Credit allowed for only one of the following: HDFS 410, HDFS 351, HDFS 401.</p> <p>Description: Socioemotional development in children and the influence of biology and socialization within diverse family, school and cultural contexts. Evidence-based practices for helping professionals who will serve children ages 3-8.</p> <p>Grade Mode: Traditional</p>	
HIST 101 Western Civilization, Modern 3(3-0-0) F, S, SS	Fall 2017
<p>Prerequisite: None.</p> <p>Registration Information: Sections may be offered: Online.</p> <p>Description: Historical development of Western civilization from c. 1600C.E. to the contemporary era.</p> <p>Grade Mode: Traditional. [existing AUCC 3D: Historical Perspectives and gtP: History (GT-HI1)]</p>	
MU 118 Music Theory II 34(3-20-0) S	Fall 2017
<p>Prerequisite: MU 117. None.</p> <p>Registration Information: Must register for lecture and laboratory. None.</p> <p>Description: Four-part diatonic writing; diatonic sequences modulation; diatonic sight singing, ear training, and related linear techniques; diatonic modulation keyboard harmony skills.</p> <p>Grade Mode: Traditional</p>	
MU 217 Music Theory III 34(3-02-0) F	Fall 2017
<p>Prerequisite: MU 118.</p> <p>Registration Information: Must register for lecture and laboratory. None.</p> <p>Description: Introduction to chromatic harmony; analysis of small forms. Harmonic language of the 17th and 18th centuries; diatonic and chromatic sight singing, ear training, and keyboard harmony skills.</p> <p>Grade Mode: Traditional</p>	
MU 218 Music Theory IV 34(3-02-0) S	Fall 2017
<p>Prerequisite: MU 217.</p> <p>Registration Information: Must register for lecture and laboratory. None.</p> <p>Description: Introduction to sonata form analysis; Introduction to post-tonal music analysis Late 18th and early 19th century harmonic and formal language; diatonic, chromatic, and modal sight singing, ear training, and keyboard harmony skills.</p> <p>Grade Mode: Traditional</p>	
WS 200 Introduction to Women's Studies 3(3-0-0) F, S, SS	Fall 2017
<p>Prerequisite: None.</p> <p>Registration Information: Sections may be offered: Online.</p> <p>Description: Examination of gender roles in work, education, spirituality, relationships, health, institutions and organizations.</p> <p>Grade Mode: Traditional [Approved as AUCC 3C: Social/Behavioral Science]</p>	



New Graduate Certificates

Warner College of Natural Resources
 Department of Human Dimensions of Natural Resources
 Graduate Certificate in Adventure Tourism

Effective Fall 2017

Additional coursework may be required due to prerequisites.

Code	Title	Credits
<u>NRRT 530</u>	Insight into the Adventure Tourism Industry	2
<u>NRRT 531</u>	Building an Adventure Tourism Enterprise	2
<u>NRRT 532</u>	Leading the Adventure Tourism Experience	2
<u>NRRT 533</u>	Adventure Tourism Policy and Planning	2
<u>NRRT 534</u>	Applications in the Outdoor Products Industry	2
<u>NRRT 655</u>	Tourism Marketing Concepts and Applications	2

Program Total Credits: **12**

*This certificate may have courses in common with other graduate certificates. A student may earn more than one certificate, but a given course may be counted only in one certificate.



College of Business
 Department of Computer Information Systems
 Graduate Certificate in Business Analytics and Accounting Systems

Effective Fall 2017

Additional coursework may be required due to prerequisites.

Code	Title	Credits
<u>ACT 550</u>	Accounting Information Technologies	3
<u>CIS 570</u>	Business Intelligence	3
<u>CIS 575</u>	Applied Data Mining and Analytics in Business	3

Program Total Credits: **9**

*This certificate may have courses in common with other graduate certificates. A student may earn more than one certificate, but a given course may be counted only in one certificate.



Warner College of Natural Resources
 Department of Fish/Wildlife/Conservation Biology
 Graduate Certificate in Conservation Actions with Lands, Animals, and People

Effective Fall 2017

Additional coursework may be required due to prerequisites.

Select a minimum of 4 courses in consultation with advisor:		12
<u>FW 556</u>	Leopold's Ethic for Wildlife and Land	
<u>FW 557</u>	Wildlife Habitat Management on Private Land	
<u>FW 576</u>	Wildlife Policy, Administration, and Law	
<u>NR 501</u>	Leadership and Public Communications	
<u>NR 515</u>	Natural Resources Policy and Biodiversity	
<u>NR 535</u>	Action for Sustainable Behavior	

Program Total Credits: **12**

*This certificate may have courses in common with other graduate certificates. A student may earn more than one certificate, but a given course may be counted only in one certificate.

**Major Change to Existing Program**

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

Effective Fall 2017

Effective ~~Spring 2012~~ Fall 2017

FRESHMAN			AUCC	CREDITS
<u>BIOM 101</u>	Introduction to Biomedical Engineering			3
<u>CO 150</u>	College Composition (GT-CO2)		1A	3
Select one group from the following:			-	3-4
Group A:			-	-
<u>CS 155</u>	Introduction to Unix		-	-
<u>CS 156</u>	Introduction to C Programming I		-	-
<u>CS 157</u>	Introduction to C Programming II		-	-
Group B:			-	-
<u>CS 160</u>	Foundations in Programming		-	-
<u>CHEM 111</u>	<u>General Chemistry I (GT-SC2)</u>		<u>3A</u>	<u>4</u>
<u>CHEM 112</u>	<u>General Chemistry Lab I (GT-SC1)</u>		<u>3A</u>	<u>1</u>
<u>ECE 102</u>	Digital Circuit Logic			4

<u>ECE 103</u>	DC Circuit Analysis		3
<u>LIFE 102</u>	<u>Attributes of Living Systems (GT-SC1)</u>	<u>3A</u>	<u>4</u>
<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>PH 141</u>	Physics for Scientists and Engineers I (GT-SC1)	3A	5
Additional Requirements for Graduation ¹			0
Total Credits			<u>32-29-30</u>

SOPHOMORE

<u>CHEM 111</u>	General Chemistry I (GT-SC2)	3A	4
<u>CHEM 112</u>	General Chemistry Lab I (GT-SC1)	3A	4
<u>CHEM 113</u>	General Chemistry II	-	3
<u>CO 150</u>	<u>College Composition (GT-CO2)</u>	<u>1A</u>	<u>3</u>
<u>ECE 202</u>	Circuit Theory Applications		4
<u>LIFE 102</u>	Attributes of Living Systems (GT-SC1)	3A	4
<u>ECE 303/STAT 303</u>	<u>Introduction to Communications Principles</u>		<u>3</u>
<u>MATH 261</u>	Calculus for Physical Scientists III		4
<u>MECH 337</u>	Thermodynamics	-	4
<u>PH 142</u>	Physics for Scientists and Engineers II (GT-SC1)	3A	5
<u>PH 314</u>	<u>Introduction to Modern Physics</u>	-	<u>4</u>

<u>Select one group from the following:</u>		-	<u>3-4</u>
<u>Group A:</u>		-	-
<u>CS 155</u>	<u>Introduction to Unix</u>	-	-
<u>CS 156</u>	<u>Introduction to C Programming I</u>	-	-
<u>CS 157</u>	<u>Introduction to C Programming II</u>	-	-
<u>Group B:</u>		-	-
<u>CS 163 or 164</u>	<u>Java (CS1) No Prior Programming</u> <u>Java (CS1) Prior Programming</u>	-	-
Select one <u>course</u> from the following:			4
<u>MATH 340</u>	Introduction to Ordinary Differential Equations		
<u>MATH 345</u>	Differential Equations		
Additional Requirements for Graduation ¹			0
Total Credits			<u>30-31-33</u>

JUNIOR			
BIOM 300	<u>Problem-Based Learning Biomedical Engr Lab</u>		4
BMS 300	Principles of Human Physiology		4
CHEM 245	Fundamentals of Organic Chemistry	-	4
ECE 303/STAT 303	Introduction to Communications Principles	-	3
CHEM 113	<u>General Chemistry II</u>		3
ECE 311	Linear System Analysis I		3
ECE 331	<u>Electronics Principles I</u>		4
ECE 332	<u>Electronics Principles II</u>		4
ECE 341	Electromagnetic Fields and Devices I		3
ECE 342	Electromagnetic Fields and Devices II		3
LIFE 210	Introductory Eukaryotic Cell Biology		3
MECH 262	Engineering Mechanics	-	4
PH 314	Introduction to Modern Physics	-	4
PH 353	Optics and Waves	-	4
Additional Requirements for Graduation ¹			0
Total Credits			3135
SENIOR			
BIOM 300	Problem-Based Learning Biomedical Engr Lab	-	4
ECE 331	Electronics Principles I	-	4
ECE 332	Electronics Principles II	-	4
BIOM 431/ECE 431	<u>Biomedical Signal and Image Processing</u>		3
CHEM 245	<u>Fundamentals of Organic Chemistry</u>		4
ECE 404	Experiments in Optical Electronics		2
ECE 441	Optical Electronics		3
ECE 457	Fourier Optics		3
MECH 262	Engineering Mechanics		4
MECH 337	Thermodynamics		4
PH 353	Optics and Waves		4
ECON 202	Principles of Microeconomics (GT-SS1)	3C	3
Arts and Humanities		3B	3
Global and Cultural Awareness		3E	3
Technical Elective (see list below)		-	3
Additional Requirements for Graduation ¹			0
Total Credits			3332

FIFTH YEAR			
<u>BIOM 486A</u>	Biomedical Design Practicum: Capstone Design I	4A,4B,4C	4
<u>BIOM 486B</u>	Biomedical Design Practicum: Capstone Design II	4A,4B,4C	4
<u>PH 451</u>	Introductory Quantum Mechanics I		3
Select one course from the following:			3
<u>CO 301B</u>	Writing in the Disciplines: Sciences (GT-CO3)	2	
<u>JTC 300</u>	Professional and Technical Communication (GT-CO3)	2	
<u>Arts and Humanities</u>		3B	3
<u>Historical Perspectives</u>		3D	3
<u>Global and Cultural Awareness</u>		<u>3E</u>	<u>3</u>
ECE, Lasers & Optics Concentration Technical Electives (See List) BIOM or ECE Electives ²			9
Additional Requirements for Graduation ¹			0
Total Credits			<u>329</u>
Program Total Credits:			158-159

ECE, Lasers & Optics Concentration Technical Electives List

Code	Title	Credits
<u>BIOM 526/ECE 526</u>	Biological Physics	3
BIOM 470/MECH 470	Biomedical Engineering	3
<u>BIOM 570/MECH 570</u>	Bioengineering	3
<u>ECE 411</u>	Control Systems	4
<u>ECE 412</u>	Digital Control and Digital Filters	3
<u>ECE 444</u>	Antennas and Radiation	3
<u>ECE 450</u>	Digital System Design Laboratory	1
<u>ECE 451</u>	Digital System Design	3
<u>ECE 461</u>	Power Systems	3
<u>ECE 462</u>	Power Systems Laboratory	1
<u>ECE 471A</u>	Semiconductor Physics	1
<u>ECE 471B</u>	Semiconductor Junctions	1
<u>May select any course from the following:</u>		
<u>ECE 495A</u>	<u>Independent Study</u> ³	
<u>ECE 495B</u>	<u>Independent Study: Open Option Project</u> ³	
<u>ECE 495C</u>	<u>Independent Study: Vertically Integrated</u> <u>Design</u> ³	
<u>ECE 503</u>	Ultrafast Optics	3
<u>ECE 504</u>	Physical Optics	3
<u>ECE 505</u>	Nanostructures: Fundamentals and Applications	3

<u>ECE 506</u>	Optical Interferometry and Laser Metrology	3
<u>ECE 507</u>	Plasma Physics and Applications	3
<u>ECE 520</u>	Optimization Methods-Control and Communication	3
<u>ECE 525</u>	Fiber-Optic Communications	3
<u>ECE 546</u>	Laser Fundamentals and Devices	3
<u>ECE 571</u>	VLSI System Design	3
<u>ECE 572</u>	Semiconductor Transistors	1
<u>ECE 573</u>	Semiconductor Optoelectronics Laboratory	3
<u>ECE 574</u>	Optical Properties in Solids	3
<u>ECE 575</u>	Experiments in VLSI System Design I	1
ECE 58* Experimental Courses in Lasers/Optics Topics		
<u>MATH 419</u>	Introduction to Complex Variables	3
<u>PH 315</u>	Modern Physics Laboratory	2
<u>PH 425</u>	Advanced Physics Laboratory	2
<u>PH 452</u>	Introductory Quantum Mechanics II	3
<u>PH 462</u>	Statistical Physics	3

- 1 Students are required to participate in the Professional Learning Institute (PLI) program as a requirement for graduation. The program consists of eleven PLI workshops distributed by focus areas as follows: Global and Cultural Diversity (2 workshops), Innovation (2 workshops), Leadership (2 workshops), Civic and Public Engagement (2 workshops), and Ethics (3 workshops). Each workshop is between 1-2 hours long and no outside preparation is required to attend any of the workshops. Attendance at the required workshops may be spread over the student's five-year program.
- 2 Select 9 credits from courses from the Electrical Engineering, Lasers and Optics Concentration, Technical Elective list ~~with the BIOM or ECE subject code.~~
- 3 A total of 3 credits of Independent Study may apply toward degree requirements. This includes credit awarded for ECE 495A, ECE 495B, ECE 495C combined.



Updates and Corrections to Previous UCC Minutes

1. The Major in Human Development and Family Studies, Prevention and Intervention Sciences Concentration was approved with changes to the concentration on the UCC 10/21/16 Consent Agenda. The **course number for PSY 228 has been changed to PSY 328** effective Fall 2017 and approved by UCC 10/28/16.
2. The **Dual Degree Program: Biomedical Engineering and Chemical & Biological Engineering** was approved by the UCC on 2/5/16 with major changes to the course Effective Fall 2016. The following courses were listed incorrectly in the Program of Study. The corrections are listed below.

Course/Requirement	2/5/16 POS placement	Correct POS placement
CO 150	Sophomore year	Freshman year
LIFE 102	Freshman year	Sophomore year
Advanced Writing (AUCC 2)	Fifth year	Junior year
Social & Behavioral Sciences (AUCC 3C)	Junior year	Fifth year

FRESHMAN		
		AUCC CREDITS
<u>BIOM 101</u>	Introduction to Biomedical Engineering	3
<u>CBE 101</u>	Chemical and Biological Engineering I	3
<u>CBE 160</u>	MATLAB for Chemical and Biological Eng	1
<u>CHEM 111</u>	General Chemistry I (GT-SC2)	3A 4
<u>CHEM 112</u>	General Chemistry Lab I (GT-SC1)	3A 1
<u>CHEM 113</u>	General Chemistry II	3
<u>CO 150</u>	<u>College Composition (GT-CO2)</u>	<u>1A 3</u>
<u>LIFE 102</u>	Attributes of Living Systems (GT-SC1)	3A 4
<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>PH 141</u>	Physics for Scientists and Engineers I (GT-SC1)	3A 5
Additional Requirements for Graduation ¹		0
Total Credits		31
SOPHOMORE		
<u>CBE 201</u>	Material and Energy Balances	3
<u>CBE 205</u>	Introduction to Biological Engineering	3
<u>CBE 210</u>	Thermodynamic Process Analysis	3
<u>CHEM 114</u>	General Chemistry Lab II	1
<u>CHEM 341</u>	Modern Organic Chemistry I	3
<u>CHEM 343</u>	Modern Organic Chemistry II	3
<u>CHEM 344</u>	Modern Organic Chemistry Laboratory	2

CO 150	College Composition (GT-CO2)	1A	3
<u>LIFE 102</u>	<u>Attributes of Living Systems (GT-SC1)</u>	<u>3A</u>	<u>4</u>
<u>MATH 261</u>	Calculus for Physical Scientists III		4
<u>MATH 340</u>	Introduction to Ordinary Differential Equations		4
<u>PH 142</u>	Physics for Scientists and Engineers II (GT-SC1)	3A	5
Additional Requirements for Graduation ¹			0
Total Credits			35
JUNIOR			
<u>BC 351</u>	Principles of Biochemistry		4
<u>BIOM 300</u>	Problem-Based Learning Biomedical Engr Lab		4
<u>BMS 300</u>	Principles of Human Physiology		4
<u>CBE 310</u>	Molecular Concepts and Applications		3
<u>CBE 320</u>	Chemical and Biological Reactor Design		3
<u>CBE 330</u>	Process Simulation		3
<u>CBE 331</u>	Momentum Transfer and Mechanical Separations		3
<u>CBE 332</u>	Heat and Mass Transfer Fundamentals		3
<u>CBE 493</u>	Professional Development Seminar		1
<u>LIFE 210</u>	Introductory Eukaryotic Cell Biology		3
<u>Advanced Writing</u>		<u>2</u>	<u>3</u>
Social and Behavioral Sciences		3C	3
Additional Requirements for Graduation ¹			0
Total Credits			34
SENIOR			
<u>BIOM 421</u>	Transport Phenomena in Biomedical Engineering		3
<u>BIOM 422</u>	Kinetics of Biomolecular and Cellular Systems		3
<u>CBE 333</u>	Chemical and Biological Engineering Lab I		2
<u>CBE 442</u>	Separation Processes		4
<u>CBE 443</u>	Chemical and Biological Engineering Lab II		2
<u>CBE 451</u>	Chemical and Biological Engineering Design I		3
<u>MECH 262</u>	Engineering Mechanics		4
<u>STAT 315</u>	Statistics for Engineers and Scientists		3
<u>Arts and Humanities</u>		3B	3
<u>Historical Perspectives</u>		3D	3
Additional Requirements for Graduation ¹			0
Total Credits			30

FIFTH YEAR			
<u>BIOM 486A</u>	Biomedical Design Practicum: Capstone Design I	4A,4B,4C	4
<u>BIOM 486B</u>	Biomedical Design Practicum: Capstone Design II	4A,4B,4C	4
<u>CBE 430</u>	Process Control and Instrumentation		3
Advanced Writing		2	3
<u>Arts and Humanities</u>		3B	3
<u>Global and Cultural Awareness</u>		3E	3
<u>Social and Behavioral Sciences</u>		<u>3C</u>	<u>3</u>
BME Technical Elective ²			3
CBE Technical Elective ³			5
Additional Requirements for Graduation ¹			0
		Total Credits	28
Program Total Credits:			158



The meeting adjourned at 5:05 p.m.

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



A regular meeting of the University Curriculum Committee was held on January 27, at 2:00 p.m.

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

Curriculum Unit: Shelly Ellerby.

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

Absent: Kayleen Allen, Beth Oehlerts and Undergraduate Student Representative.

Minutes

The Minutes of January 27, 2017 were approved.

Consent Agenda

The Consent Agenda was approved.

<i>New Courses</i>	<i>Effective Term</i>
AGED 486B Practicum: On-site Experience in Agricultural Outreach Var[1-2] F, S Prerequisite: None. Registration Information: None. Description: Formalized training on conducting non-formal agricultural education at the National Western Stock Show. Grade Mode: Traditional.	Fall 2017
AGED 486C Practicum: FFA Var[1-2] F, S, SS Prerequisite: None. Registration Information: None. Description: Formalized training on managing FFA experiences, including Career Development Events and Leadership Development Events. Grade Mode: Traditional.	Fall 2017
AGED 600 Evaluation and Applied Research in Extension 3(3-0-0) S Prerequisite: None. Registration Information: Sections may be offered: Online. Restriction: Must be a: Graduate, Professional. Credit not allowed for both AGED 600 and EDRM 600. Description: Train extension and other outreach specialists in the basics of program evaluation and research methods. Work with real world scenarios and/or their own field experiences to learn how to strategically design evaluation plans and effectively analyze the data collected. Emphasizing how to improve programming with the collected data. Grade Mode: Traditional. Offering Term: Odd	Spring 2018
AGED 692 Agricultural Education Seminar 1(0-0-1) F, S Prerequisite: AGED 587 or concurrent registration. Registration Information: Enrolled in the Master of Agriculture Extension Education or the Graduate Certificate of Teaching in Extension. Sections may be offered: Online. Restriction: Must be a: Graduate, Professional. Description: Agricultural education focusing on current trends in Extension. Grade Mode: Traditional.	Fall 2017

ANTH 379 Evolutionary Medicine and Human Health 3(3-0-0) F	Fall 2017
Prerequisite: ANTH 120 or BZ 101 or BZ 110 or LIFE 102.	
Registration Information: Sophomore standing.	
Description: Evolutionary medicine refers to the application of evolutionary theory to the study of human health, disease, and modern medicine. This theoretical perspective provides a deeper lens with which to investigate health, moves us beyond mechanistic explanations of disease, and constructs an anthropological framework for interpreting the evolution of human physiological diversity.	
Grade Mode: Traditional	
HORT 410 Postharvest Biology and Technology 3(3-0-0) F	Fall 2017
Prerequisite: (BZ 120 or HORT 100 or LIFE 103) and (BZ 440).	
Registration Information: Offered as an online course only. Credit not allowed for both HORT 410 and HORT 481A1.	
Description: Storage and quality maintenance of harvested fruits and vegetables.	
Grade Mode: Traditional.	
MU 406 New Music Ensemble 1(0-2-0) As Needed	Fall 2017
Prerequisite: None.	
Registration Information: Required field trips. Junior standing. Written recommendation from applied instructor required. Approximately two formal performances per year, may be on or off campus. Credit not allowed for both MU 406 and MU 480A4.	
Description: Chamber ensemble rehearsal and performance of contemporary literature. Explores, performs, and studies new concepts of notation, extended performing techniques, group improvisation and group composition, centered around the latest developments in sonic art. The New Music Ensemble may perform on and off campus each semester.	
Grade Mode: Traditional	
MU 412 Music Theory Topics 2(2-0-0) F	Fall 2017
Prerequisite: MU 218.	
Registration Information: Sections may be offered: Online.	
Description: Review of music theory topics to prepare for graduate studies. Tonal, post-tonal, and formal analysis.	
Grade Mode: Traditional.	
MSE 793 Professional Development Seminar 1(0-0-1) F, S	Fall 2017
Prerequisite: None.	
Registration Information: Restricted to students in MSE graduate programs or by consent of instructor. Required field trips.	
Restriction: Must be a: Graduate, Professional.	
Description: Professional skills for careers in materials science and providing opportunities for students to see materials innovation and discovery up-close.	
Grade Mode: S/U Sat/Unsat Only	



Major Changes to Courses	Effective Term
AGED 486486A Practicum: Agricultural Literacy Var[2-61-3] F, S, SS	Fall 2017
Prerequisite: AGED 220; AGED 330 or AGED 430 .	
Registration Information: Written consent of instructor.	
Description: Supervised work experience in approved agricultural education setting with periodic consultation of faculty. Experience in the agricultural literacy field.	
Grade Mode: Traditional.	
ART 100 Introduction to the Visual Arts 3(3-0-0) F, S, SS	Fall 2017
Prerequisite: None.	
Registration Information: Sections may be offered: Online.	
Description: Exploration of the development of visual arts.	
Grade Mode: Traditional	

ERHS 220 Environmental Health 32(32-0-0) F, S	Fall 2017
Prerequisite: BZ 101, may be taken concurrently or BZ 104, may be taken concurrently or BZ 110, may be taken concurrently or BZ 120, may be taken concurrently or LIFE 102, may be taken concurrently	
Registration Information: None.	
Description: Impact of people on the physical and biological environment as well as impact of the environment on people; emphasis placed on human health.	
Grade Mode: Traditional	
GES 470 Applications of Environmental Sustainability 3(3-0-0) F, S	Fall 2017
Prerequisite: GES 101.	
Registration Information: Must have completed 12 credits of GES interdisciplinary minor; junior or senior standing.	
<u>Sections may be offered: Online.</u>	
Description: Integration of the dimensions of global environmental sustainability--environment, society, and economy--through case studies and team project.	
Grade Mode: Traditional	
LAND 110 Introduction to Landscape Architecture 3(1-2-1) F	Fall 2017
Prerequisite: None.	
Registration Information: Must register for lecture, laboratory, and recitation.	
Description: Introductory theories, methods, and applications of landscape studies.	
Grade Mode: Traditional.	
<u>[Approved as AUCC 3B: Arts & Humanities]</u>	
LGEN 545 Translation – Literary Translation Theory and Practice	Fall 2017
3 Var[1-3](0-0-30) F, S	
Prerequisite: None.	
Registration Information: <u>Graduate standing.</u> Reading knowledge of a foreign language required. <u>May be repeated for up to 9 credits. Sections may be offered: Online.</u>	
Description: Theory and practice of <u>translation, translating literary texts from foreign language to comparable English. Fundamental concepts of translation and the translation profession. Translation practice. A variety of texts are analyzed, and different translation problems and techniques are presented and put into practice to translate real texts.</u>	
Grade Mode: Student Option	
MU 117 Music Theory I 34(3-02-0) F	Fall 2017
Prerequisite: None.	
Registration Information: Must register for lecture and laboratory. Must <u>satisfactorily</u> complete satisfactory completion of placement exam.	
Description: Introduction to diatonic harmony, harmonic <u>analysis</u> , and <u>part-writing/counterpoint.</u> part-writing; basic sight-singing, ear training, and keyboard harmony skills.	
Grade Mode: Traditional	
NR 693 Natural Resources Stewardship Seminar Var[1-2] 2(0-0-2) F	Fall 2017
Prerequisite: None.	
Restriction: Must be a: Graduate, Professional.	
Registration Information: Admission to the Master of Natural Resources Stewardship degree program. <u>Written or</u> written consent of instructor. Sections may be offered: Online.	
Description: Invited speakers will present different perspectives on natural resources.	
Grade Mode: S/U Sat/Unsat Only	
Department/Unit Change: 1401—Warner College of Natural Resource <u>1472 – Forest & Rangeland Stewardship</u>	

NRRT 600 Tourism Industry Concepts and Practices 2(20-0-02) F Fall 2017

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Registration Information: This is a partial semester course. ~~Offered as an online course only.~~ Sections offered as Mixed Face-to-Face or Online. ~~Graduate standing. Sections may be offered: Online.~~

Description: Fundamental tourism theories and concepts that lay the groundwork for understanding tourists and the tourism industry. Based Primary conceptual issues on the interdisciplinary nature of contemporary tourism studies, covers the broad range of fundamental theories and interrelated concepts that guide decision-making in the tourism industry. important to comprehend the practice of tourism. ~~Focuses on several key themes aimed to capture the primary areas of conceptual thinking and analysis in contemporary tourism.~~

Grade Mode: Traditional

NRRT 615 Sustainable Tourism Development Foundation 2(20-0-02) F Fall 2017

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Registration Information: This is a partial semester course. ~~Offered as an online course only.~~ Sections offered as Mixed Face-to-Face or Online. ~~Graduate standing. Sections may be offered: Online.~~

Description: Theory, practice, history, terminology, and issues surrounding sustainable tourism development. Sustainable tourism planning and management are examined in the context of sustainable livelihoods. A comprehensive survey of sustainable tourism components – including indicators of sustainability, community participation, poverty alleviation, alternative tourism, governance and power, and socio-environmental responsibility – will be covered from a systems thinking perspective.

Grade Mode: Traditional

NRRT 620 Organizational Management in Tourism 2(20-0-02) F, S Fall 2017

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Registration Information: This is a partial semester course. ~~Offered as an online course only.~~ Sections offered as Mixed Face-to-Face or Online. ~~Graduate standing. Sections may be offered: Online.~~

Description: Application Concepts of organizational management concepts to tourism organizations. in the context of tourism. ~~Topics include managing ethics, diversity, and globalization; planning, decision-making, and competitive advantage; organizational structure and design; leading individuals and groups, and controlling communication and information technology. Discussions, exercises, and case studies will allow students to apply management principles to the tourism organizations.~~

Grade Mode: Traditional.

NRRT 625 Communication/Conflict Management in Tourism 2(20-0-02) S Fall 2017

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Registration Information: This is a partial semester course. ~~Offered as an online course only.~~ Sections offered as Mixed Face-to-Face or Online. ~~Graduate standing. Sections may be offered: Online.~~

Description: Managerial communication skills and negotiation tools and their implications for effective organizational communication and management of potential conflicts faced by managers in the tourism industry. ~~Negotiation tools for effective organizational communication/conflict management in tourism.~~

Grade Mode: Traditional.

NRRT 650 Financial Management in Tourism 2(20-0-02) F, S Fall 2017

Prerequisite: None.

Restriction: Must be a: Graduate, Professional.

Registration Information: This is a partial semester course. ~~Offered as an online course only.~~ Sections offered as Mixed Face-to-Face or Online.

Description: Apply Concepts in financial concepts management applied to the management of travel and tourism businesses. organizations. ~~Financial accounting aspects of finance, including development and analysis of financial statements are covered. Management accounting aspects of finance include forecasting and budgeting; analysis of profit, and profitability; and working capital management. Application of capital budgeting techniques, time value of money, and business valuation are emphasized.~~

Grade Mode: Traditional

NRRT 655 Tourism Marketing Concepts and Applications 2(20-0-02) F	Fall 2017
<p>Prerequisite: None.</p> <p>Restriction: Must be a: Graduate, Professional.</p> <p>Registration Information: This is a partial semester course. Offered as an online course only. <u>Sections offered as Mixed Face-to-Face or Online. Graduate standing.</u></p> <p>Description: Marketing theories processes as they apply to travel and <u>concepts and their application within a travel and tourism organizational context. tourism.The travel and tourism industry has unique characteristics that create a variety of problems and opportunities specific to that industry and important for tourism marketing professionals.</u></p> <p>Grade Mode: Traditional</p>	
NRRT 660 Law and Legal Liability in Tourism 2(20-0-02) S	Fall 2017
<p>Prerequisite: None.</p> <p>Restriction: Must be a: Graduate, Professional.</p> <p>Registration Information: This is a partial semester course. Offered as an online course only. <u>Sections offered as Mixed Face-to-Face or Online. Graduate standing.</u></p> <p>Description: Concepts of in-legal liability, business law, liability and risk management to travel, tourism, business law in the context of travel and <u>hospitality organizations. tourism.Topics include contract law; agency law; business organization and formation; torts and legal liability; employment law and labor-management relations, and the protection of organization assets through risk management.</u></p> <p>Grade Mode: Traditional</p>	
PSY 250 <u>Research Design and Analysis I</u> Research Methods in Psychology 34(34-0-0) F, S, SS	Fall 2017
<p>Prerequisite: PSY 100; <u>STAT 201 or concurrent registration or STAT 301 or concurrent registration or STAT 307 or concurrent registration or STAT 311 or concurrent registration or STAT 315 or concurrent registration.</u></p> <p>Registration Information: Sections may be offered: Online.</p> <p>Description: Design, analysis, and reporting of psychological research.</p> <p>Grade Mode: Traditional</p>	
PSY 350 <u>Research Design and Analysis II</u> Applied Research Methods in Psychology I-3(3-0-0) F	Fall 2017
<p>Prerequisite: PSY 250. and STAT 311</p> <p>Registration Information: <u>Sections may be offered: Online. Enrollment in University Honors Program required.</u></p> <p>Description: <u>Design, analysis, and reporting of psychological research. Application of research methods concepts to design and conduct experiments.</u></p> <p>Grade Mode: Traditional</p>	
PSY 458 Cognitive Neuroscience 3(3-0-0) F, S, SS	Fall 2017
<p>Prerequisite: PSY 252.</p> <p>Registration Information: <u>Sections may be offered: Online.</u></p> <p>Description: Review of the human brain and its mediation of cognitive processes.</p> <p>Grade Mode: Traditional</p>	
PSY 459 Cognitive Neuroscience Laboratory 2(0-4-0) F, S, SS	Fall 2017
<p>Prerequisite: <u>PSY 250; PSY 458 or concurrent registration.</u> PSY 458, may be taken concurrently and PSY 250</p> <p>Registration Information: <u>Sections may be offered: Online.</u></p> <p>Description: Laboratory exercises in cognitive neuroscience.</p> <p>Grade Mode: Traditional</p>	

STAT 315 Statistics for Engineers and Scientists 3(3-0-0) F, S, SS

Fall 2017

Prerequisite: MATH 160 or MATH 155**Registration Information:** Credit allowed for only one [of the following](#) courses: ERHS 307, STAT 301, STAT 307, [STAT 311](#), or STAT 315.**Description:** Calculus-based probability and statistics: distribution theory, estimation, hypothesis testing, applications to engineering and the sciences.**Grade Mode:** Student Option

VM 732/[VS 732](#) Veterinary Sports Medicine and Rehabilitation 1(1-0-0) F

Fall 2017

Prerequisite: None.**Registration Information:** [VM 732: Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.](#) [VS 732: DVM or equivalent professional degree or consent of instructor.](#) ~~[Admission to professional curriculum in veterinary medicine. All courses must be taken in prescribed sequence in the PVM program.](#)~~**Restriction:** Must be a: [Graduate](#), Professional.**Course Description:** An introduction to the principles and practice of sports medicine and rehabilitation in veterinary medicine.**Grade Mode:** Traditional**Administrative Update:**

1. A new course AGED 600 was approved at this meeting (*see New Courses above*). Due to content overlap with EDRM 600, a 'credit not allowed' statement has been added to both courses effective Spring 2018.

EDRM 600: Introduction to Research Methods 3(3-0-0) F, S, SS**Registration Information:** [Credit not allowed for both AGED 600 and EDRM 600.](#)

The meeting adjourned at 5:40 p.m.

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

BALLOT
University Committee Nominations
UNIVERSITY GRIEVANCE PANEL
February 7, 2017

		Term Expires
<u>JENNIFER NYBORG</u> (Nominated by Committee on Faculty Governance)	CNS	2020
<u>MARY VAN BUREN</u> (Nominated by Committee on Faculty Governance)	CLA	2020

November 11, 2016

To: Mary Stromberger, Chair, Faculty Council
From: Dan Turk, Chair, Committee on Responsibility and Standing of Academic Faculty
Subject: Faculty Manual E.15.1 Initiating the Disciplinary Process

The Committee on Responsibility and Standing of Academic Faculty submits the following motion:

MOVED, THAT SECTION E.15.1 OF THE *ACADEMIC FACULTY AND ADMINISTRATIVE PROFESSIONAL MANUAL*, BE AMENDED AS FOLLOWS:

Deletions ~~Overscored~~—Additions Underlined

E.15.1 Initiating the Process

The disciplinary process shall be initiated when a written and signed statement (hereinafter termed the “Statement”), which specifies with reasonable particularity the alleged grounds for disciplinary action, is filed with the UGO by one or more of the following individuals: ~~tenured faculty member(s) from the Tenured Faculty Member’s department,~~ the academic supervisor, the college dean, or the Provost. Anyone may write the Statement, but one or more of the individuals listed in the previous sentence shall file it with the UGO in order to initiate the disciplinary process. Upon receipt of the Statement, the UGO shall notify the person(s) who filed the Statement that the disciplinary process has been initiated. Also, when the process has been completed, the UGO shall notify the person(s) who filed the Statement of the final outcome. In both cases, the person(s) who filed the Statement shall notify the person(s) who wrote the Statement.

Rationale:

Allowing a tenured faculty member to initiate the E.15 disciplinary process allows for such action to be used as harassment. If any other person who is allowed to initiate the process attempts to initiate such action in bad faith, they can be removed from their position by their supervisor. However, this is not the case for a tenured faculty member; in such a case, it would be possible for the faculty member to continue to initiate disciplinary action against people repeatedly with no mechanism to put a stop to this.

If a tenured faculty member feels that discipline is needed, they can go to the supervisor and make the case for why they believe it is needed. (If an unsatisfactory response is given, then the faculty member could, if they chose, appeal to others up the administrative chain.) Ultimately, if no supervisor/administrator can be convinced that there is a problem that warrants discipline, then none would have been applied, even if the faculty member had been able to initiate the process, since it would be the supervisor/administrator(s) that would carry out the discipline.

Thus, the change being proposed should prevent potential serious abuses of this process, while at the same time not preventing the ability to recommend disciplinary processes if they are actually warranted.

MEMORANDUM

DATE: December 27, 2016

TO: Mary Stromberger
Chair of Faculty Council

FROM: Don Estep, Chair
Committee of Faculty Governance

SUBJECT: Proposed revision to Sections C.2.1.9.3 of the *ACADEMIC FACULTY AND ADMINISTRATIVE PROFESSIONAL MANUAL*

The Committee on Faculty Governance submits the following amendment:

MOVED, THAT SECTION C.2.1.9.3 OF THE CODE BE AMENDED AS FOLLOWS:

Additions are underlined, and deletions are indicated by ~~strikeouts~~.

C.2.1.9.3 Membership and Organization (~~last revised August 8, 2014~~)

The membership of each standing committee is specified to fit the functions of that committee. The Chair of the Committee on Non-Tenure-Track Faculty (or designee on the CoNTTF), administrators, administrative professionals, classified staff, undergraduate student members representing the Associated Students of Colorado State University (ASCSU), and graduate student members representing the University Graduate Student Council shall be authorized for certain standing committees. Faculty membership on specialized standing committees shall be limited to regular full-time, regular part-time, transitional, and non-tenure track faculty members who do not hold an administrative appointment of more than half-time (0.5) at the level of assistant/associate dean or above. Faculty membership on regular standing committees shall be limited to regular full-time, regular part-time, and transitional faculty members who do not hold an administrative appointment of more than half-time (0.5) at the level of assistant/associate dean or above. A member of a standing committee who becomes ineligible shall cease to hold this position.

Standing committees are expected to consult regularly with those administrators, members of the faculty, or others who can provide information necessary for effective deliberation. Each standing committee may name ex officio or associate members who are expected to attend committee meetings regularly. The appointments shall be reviewed by the standing committee annually. Each standing committee shall identify in its annual report to the Faculty Council its ex officio and associate members and others with whom it has regularly conferred. All ex officio and associate members shall be non-voting, unless specified otherwise.

Rationale:

In general, specific Faculty Council Committees may routinely deal with issues that involve non-tenure-track faculty in a significant way, and hence should include formal representation of non-tenure-track faculty. The Chair of the Chair of the Committee on Non-Tenure-Track Faculty already serves as a voting ex officio member of Faculty Council and is

well positioned to represent non-tenure-track faculty interests. However, it may be infeasible for the Chair of the Committee on Non-Tenure Track Faculty to participate in all Standing Committee meetings. The proposed change allows the Chair to appoint a representative.

Some standing committees include ex officio members, and have noted that certain ex officio members have voting rights. The addition of “unless specified otherwise” removes the inconsistencies between the current language in C.2.1.9.3 (ex officio is non-voting) with language in C.2.1.9.5 standing committee descriptions that designate some members as “ex officio, voting”.

MEMORANDUM

Date: 27 December 2016

To: Dr. Mary Stromberger
Chair, Faculty Council

From: Donald Estep,
Chair, Committee on Faculty Governance

SUBJECT: Proposed revision to the Section C.2.1.9.5.h of the *ACADEMIC FACULTY AND ADMINISTRATIVE PROFESSIONAL MANUAL*

The Committee on Faculty Governance moves that Faculty Council adopt the proposed revisions to Section C.2.1.9.5.h of the *ACADEMIC FACULTY AND ADMINISTRATIVE PROFESSIONAL MANUAL* as follows:

Additions are underlined, and deletions are indicated by ~~strikeouts~~.

h. Committee on Strategic and Financial Planning (~~last revised August 2, 2013~~)

The Committee on Strategic and Financial Planning shall consist of one (1) faculty representative from each college and the Libraries, one (1) undergraduate student, one (1) graduate student, one (1) dean (*ex officio*), the Provost (*ex officio*), the Vice President for Finance (*ex officio*), the chair of the Administrative Professional Council (*ex officio* voting), the chair of the Committee on Non-Tenure Track Faculty or designated member of the Committee on Non-Tenure Track Faculty (*ex officio* voting), and the Chair of the Classified Personnel Council (*ex officio*, voting). The duties of this standing committee shall be:

1. To recommend policies to the Faculty Council related to planning and budgeting activities that affect the academic function of the University.
2. To review the procedures, outcomes, and accountability of the University's strategic planning processes and plans.
3. To present the standing committee's evaluations and recommendations on such planning processes and plans to the Faculty Council for approval or disapproval on a semiannual basis.
4. To review University proposals, policies and procedures as they affect the academic programs and structure of the institution.
5. To review new academic program proposals from a strategic and financial planning perspective and report recommendations to Faculty Council.
6. To recommend priorities for resource allocations to achieve University academic planning

goals.

7. To recommend policies for the distribution of faculty compensation increases.

8. To monitor the on-going financial status of the University and inform Faculty Council of any conditions likely to result in financial exigency. The Committee should collect information about procedures used in other universities faced with financial exigency and any other information that would aid in developing reasonable plans to deal with current conditions of financial exigency.

9. To consult with the President of the University regarding the declaration of the condition of financial exigency; should a recommendation of financial exigency be made by the President to the Board, the CoSFP chair shall present the views of the committee to the Board.

Rationale:

The Committee on Strategic and Financial Planning often considers issues that affect non-tenure-track faculty. Adding the Chair of the Committee on Non-Tenure-Track Faculty will strengthen the representation of non-tenure track faculty when such issues are considered. This change is in line with including the chair of the Administrative Professional Council (*ex officio* voting) and the Chair of the Classified Personnel Council (*ex officio*, voting).

The addition of the two charges aligns the list of CoSFP charges with language in the Manual, Section E.16.2 Declaration of Financial Exigency and E.16.5 Responsibility of Committee on Strategic and Financial Planning.

Section E.16.2 states that “Any declaration of a condition of financial exigency shall be made by majority action of the Board. (Such a declaration is not subject to challenge by faculty members under the University mediation and grievance procedure.) The President of the University may recommend the declaration of a condition of financial exigency at any time after consultation with the Committee on Strategic and Financial Planning. When the President makes such a recommendation to the Board, the chairman or other member designated by each of these committees shall present the views of their respective committees to the Board.”

Section E.16.5 states “The Committee on Strategic and Financial Planning should monitor the ongoing financial status of the University and keep the Faculty Council informed of any conditions which are likely to result in a condition of financial exigency. The Committee should collect information about procedures used in other universities faced with financial exigencies and any other information that would aid in developing reasonable plans to deal with any emergent condition of financial exigency.”

The Committee on Non-Tenure Track Faculty has approved the motion regarding membership. The Committee on Strategic and Financial Planning has approved this motion.

MEMORANDUM

Date: 27 December 2016

To: Dr. Mary Stromberger,
Chair, Faculty Council

From: Dr. Donald Estep,
Chair, Committee on Faculty Governance

SUBJECT: Proposed revision to the Section C.2.1.9.5.i of the *ACADEMIC FACULTY AND ADMINISTRATIVE PROFESSIONAL MANUAL*

The Committee on Faculty Governance moves that Faculty Council adopt the proposed revisions to Section C.2.1.9.5.i of the *ACADEMIC FACULTY AND ADMINISTRATIVE PROFESSIONAL MANUAL* as follows:

Additions are underlined, and deletions are indicated by ~~strikeouts~~.

i. Committee on Teaching and Learning (last revised June 4, 2008)

The Committee on Teaching and Learning shall consist of one (1) faculty member from each college and the Libraries, one (1) graduate student, one (1) undergraduate student, the chair of the Committee on Non-Tenure Track Faculty or designated member of the Committee on Non-Tenure Track Faculty (ex officio voting), the Provost or his or her designee (ex officio), the Vice President for Student Affairs or his or her designee (ex officio), and the Director of The Institute for Learning and Teaching (ex officio).

Rationale:

The Committee on Teaching and Learning often considers issues that affect non-tenure-track faculty. Adding the Chair of the Committee on Non-Tenure-Track Faculty will strengthen the representation of Non-Tenure Track Faculty when such issues are considered.

The Committee on Non-Tenure Track Faculty and the Committee on Teaching and Learning have approved this motion.

MEMORANDUM

Date: December 29, 2016

To: Mary Stromberger, Chair of Faculty Council

From: Eric Prince, Chair of the Committee on University Programs

Re: Biennial Reviews for Discontinuance and Continuance of Centers, Institutes, and Other Special Units (CIOSUs) for the academic year 2016 (Reporting Period FY15 and FY16)
Committee on University Programs

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 the academic year 2016.

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

New CIOSUs

The Committee on University Programs approved an application for an Earth System Modeling and Education Institute (COE_ ESMEI)

CIOSUs Consolidated, Discontinued or Denied Approval

The following CIOSUs are 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 are reported as deferred to 2017 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 and are recommended for continuance by the Committee on University Programs:

College of Business	
CIOU	Centers and Institutes
COB_CMSI	Center for Marketing and Social Issues
	College of Engineering
COISU	Centers and Institutes
COE_CSITS	Center for Sustainable and Intelligent Transportation Systems
COE_SBDC	Sustainable Bioenergy Development Center
	College of Health and Human Sciences
CIOU	Centers and Institutes
CHHS_ATRC	Assistive Technology Resource Center
CHHS_CCP	Center for Community Partnerships
CHHS_ECC	Early Childhood Center
	College of Liberal Arts
CIOU	Centers and Institutes
CLA_CFAT	Center for Fair and Alternative Trade
CLA_CLP	Center for Literary Publishing
CLA_CPD	Center for Public Deliberation
	College of Natural Sciences
CIOU	Centers and Institutes
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
	College of Veterinary Medicine and Biomedical Sciences
CIOU	Centers and Institutes
CVMBBS_ARBL	Animal Reproduction and Biotechnology Laboratory
CVMBBS_AIDL	Arthropod-Borne and Infectious Diseases Laboratory
CVMBBS_ORC	Orthopaedic Research Center
CVMBBS_PRC	Prion Research Center
CVMBBS_CCAS	Center for Companion Animal Studies
	Warner College of Natural Resources
CIOU	Centers and Institutes
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
	Office of the Provost and Executive Vice President
CIOU	Centers and Institutes
Provost_CWI	Colorado Water Resources Research Institute
Provost_SOGES	School of Global Environmental Sustainability
	Division of Continuing Education
CIOU	Centers and Institutes
DCE_OLLI	Osher Lifelong Learning Institute at CSU