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, October 4, 2016 – 4:00 p.m. – A201 Clark Building

I. Faculty Council Agenda – October 4, 2016 – A201 Clark Building 4:00 p.m.

A. ANNOUNCEMENTS

1. Next Faculty Council Meeting – November 1, 2016 – A201 Clark Building – 4:00 p.m.
2. Executive Committee Meeting Minutes located on FC website – August 23, 2016; September 13, 2016
(http://facultycouncil.colostate.edu/faculty-council-meeting-dates-agenda-minutes/)

B. MINUTES TO BE APPROVED

1. Faculty Council Meeting Minutes – September 6, 2016 (pp. 3-20)

C. UNFINISHED BUSINESS

1. Standing Committee Elections – Graduate Student Representatives – CoFG (p. 21)
2. University Committee Elections (p. 22)

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. Faculty Council Standing Committee 2015-16 Annual Reports
   a. Committee on Libraries (pp. 23-24)
E. CONSENT AGENDA

1. UCC Minutes – August 19 and 26, 2016; September 2, 9 and 16, 2016 (pp. 25-45)

F. ACTION ITEMS

1. Proposed revisions to the Graduate and Professional Bulletin – Evaluation of Graduate Students – CoSRGE (p. 46)

2. Proposed revisions to the Graduate and Professional Bulletin – CSU Student Conduct Code – CoSRGE (pp. 47-48)

3. New CIOSU: Earth System Modeling and Education Institute (ESMEI) – CUP (pp. 49-53)

G. DISCUSSION

1. Recommendations from the Committee on Non-Tenure Track Faculty

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

CALL TO ORDER

The Faculty Council meeting was called to order at 4:00 p.m. by Mary Stromberger, Chair.

ANNOUNCEMENTS

1. Next Faculty Council Meeting – October 4, 2016 – A201 Clark Building – 4 p.m.

   Stromberger announced that the next Faculty Council meeting would be held on October 4, 2016 at 4:00 p.m. in Room A201 Clark Building.

2. Executive Committee Meeting Minutes located on FC website – April 19 and April 26, 2016; May 10, 2016

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

   Stromberger announced that the Executive Committee Meeting Minutes are posted on the FC website.

3. Faculty Council – Location of Issues – Tracking

   Stromberger explained several items of unfinished business/new business that the standing committees are working on. The tracking list informs Faculty Council of items in the pipeline.

4. Schedule of 2016-17 Faculty Council Meeting Dates

5. Faculty Council Membership List 2016-17

   Two corrections were noted on page 7 of the Faculty Council Membership List as follows: Lynn Johnson – Vice President for University Operations; Ben Withers, Dean, College of Liberal Arts

6. Faculty Council Standing Committees Membership List 2016-17

7. University Committees Membership List

8. Parliamentary Motions – Quick Reference

9. Parliamentary Motions – What They Mean
Stromberger explained the main parliamentary motions that are used in Faculty Council, including main motions, when motions are seconded (if by an individual), and explained how and why the motion to suspend the rules is used.

10. UCC Minutes – April 22 and 29, 2016; May 6, 2016 minutes were approved by Executive Committee (May 10, 2016) on behalf of Faculty Council (Appendix 1)

Stromberger explained that in certain circumstances, such as when timely action is needed, Executive Committee can act on behalf of Faculty Council. In this case, Executive Committee approved several minutes from UCC meetings at their last meeting in May, so that the program and course changes could be included in the 2016-2017 Catalog.

MINUTES TO BE APPROVED

1. Faculty Council Meeting Minutes – May 3, 2016

By unanimous consent, the minutes of the May 3, 2016 Faculty Council meeting were approved. The minutes will be placed on the FC website.

UNFINISHED BUSINESS

1. University Committee Elections – Committee on Faculty Governance

Steve Reising, Committee on Faculty Governance, moved that Faculty Council elect the following faculty to the University Benefits Committee and Grievance Panel:

UNIVERSITY BENEFITS COMMITTEE
4 year terms

BOLIVAR A. SENIOR Health and Human Sciences 2020

UNIVERSITY GRIEVANCE PANEL
3 year terms

MATTHEW S. JOHNSTON CVMBS 2019
(Nominated by Committee on Faculty Governance)

RICHARD SLAYDEN CVMBS 2019
(Nominated by Committee on Faculty Governance)

FRANK PEAIRS Ag Sciences 2019
(Nominated by Committee on Faculty Governance)
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) or 2020
(for four-year terms).

2. Standing Committee Elections – Committee on Faculty Governance

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

**COMMITTEE ON INTERCOLLEGIATE ATHLETICS**

<table>
<thead>
<tr>
<th>Term Expires</th>
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<tbody>
<tr>
<td>KAREN HY Legard</td>
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<td>(Nominated by Committee on Faculty Governance)</td>
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**COMMITTEE ON RESPONSIBILITIES AND STANDING OF ACADEMIC FACULTY**

<table>
<thead>
<tr>
<th>Term Expires</th>
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<tbody>
<tr>
<td>CHRISTIAN PUTTLITZ</td>
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<td>(Nominated by Committee on Faculty Governance)</td>
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**COMMITTEE ON SCHOLASTIC STANDARDS**

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<tr>
<th>Term Expires</th>
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<tr>
<td>YOLANDA SARASON</td>
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<td>(Nominated by Committee on Faculty Governance)</td>
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</tbody>
</table>

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 three-year terms on their
respective Standing Committees, starting July 1, 2016 through June 30, 2019.

**REPORTS TO BE RECEIVED**

1. Provost/Executive Vice President – Rick Miranda

Miranda reported on the following:

- We have some new administrators: Ben Withers, Dean of CLA, and Kelly Long,
  VPUA—both started on July 1, 2016.
Kathy Rickard, Department of Psychology was hired as the new Faculty Ombuds person. She will be charged with working with faculty.

Miranda traveled on the RamTour, sponsored by the Office of Engagement. The tour took new and newly promoted faculty to the NW part of state (Steamboat Springs area) to visit with those who work for CSU (visit extension offices and state forest extensions) in other parts of the state.

Miranda and Kathy Duquoin worked with Jody Hanzlik, Dean of Graduate School, to revise the new degree program approval process. The goal was to streamline the process such that a proposal can be approved in one year. The new timeline will also synchronize the timing of proposal review to allow prioritization of which programs to launch.

VP of Research, Alan Rudolph, has developed recommendations for Research Success. He has ideas for several new initiatives and investment strategies to increase research opportunities and productivity (e.g. forming teams to do it smarter; cluster hires).

Received a report of UDTS “Evaluating Teaching Effectiveness” last year. Conversations are ongoing on the recommendations and how to implement them. This was discussed at the Fall Forum and is a big topic for the Committee on Teaching and Learning.

Looking at core curriculum for improvements this year. We had not assessed our core curriculum in last 10 years. Also looking at High Impact Practices and taking a closer look at undergraduate programs mainly.

A proposal has been received from the Committee on Non-Tenure Track Faculty. This will move forward to Faculty Council this year. Excited about their recommendations.

Budget process was revised last couple years. Miranda continues to refine that process. The budget is now separated into six expense categories: multi-year strategic investments (e.g. student success initiatives), faculty/staff compensation (salaries and benefits increases), academic incentive funding (e.g. Differential Tuition, 236 funding, graduate tuition sharing), financial aid (commitment to Colorado, non-resident discounting program), mandatory costs (e.g. bond payments, utility increases, O&M on new buildings), and quality enhancements (division/college-level initiatives).

Questions:

Francesca Cotrufo (Soil and Crop Sciences): What about cluster hires in budget?

Miranda: There were three cluster hires last year. Whether or not there is a new cluster hire depends on the amount the new revenues we receive, and our priorities for expenses.

Miranda showed a list of facility projects completed last year:

- Aggie village north redevelopment; 95% occupancy; apartment style residences more appropriate for upper class; post docs
Center for Agricultural Education, at the Agricultural Research, Development and Education Center (ARDEC) facility. College of Agriculture raised funds to raise new facility; starting to teach some undergrad classes out there

- Weed research building addition
- Pathology building – upgraded cryon labs
- South college garage – on Pitkin – 600+ parking spaces

Items under construction:

- Stadium - Academic and alumni space in the stadium space; CASA will take up residence on the east side of the stadium space.
- Biology building – ready next fall. Student facility fee contributed to 2/3 of the funding
- Chemistry building – funded by the state largely
- Health and medical center – UCHealth will have a public clinic and shared pharmacy; CSU clinic upstairs
- Prospect road underpass by Hilton
- Institute for Biological and Translational Therapies building at Foothills campus
- Warner College Natural Resources addition (new front on building)
- Next phase of Animal Sciences building
- New Design Center is under contemplation
- Health and Education Outreach Center
- Our single anatomy lab is running 24/7 and we need a second anatomy lab.
- Also, raising money for Temple Grandin Riding Center – located at Equine Center on Foothills Campus.

Miranda said CSU is near the end of a building boom at this time. CSU has transformed the campus in a major way. It is more functional and attractive. It seems to be attracting both students and new faculty.

Questions:

Mohammed Hirchi (Department of Languages, Literatures and Cultures):  Who is behind the vision of the campus? Where did the idea come from?

Miranda: There was a master planning committee in place for the past two decades. Student facility fee started the ball rolling about 10 years ago Much more focused with the first capital campaign for raising funds and the second campaign also helped. It has been a combination of realizing we needed to do something and then look for alternative sources for funding. Students have been willing to raise their fee (e.g. LSC, Engineering Building, Biology Building, BSB, etc.) to support CSU construction. We have done more than even imagined.

Miranda’s report was received.
Stromberger reported on the following:

1. Re-Envision CSU – Over 500 ideas have been received. Ideas are being organized by themes

2. Living wage – FC officers, APC and CPC officers, Jennifer Bissell, Emma Chavez, Diana Prieto, and Lynn Johnson
   - What would it take for there to be a minimum salary of $30,000 for full-time employees?
   - Council leadership, Benefits Committee, Community Resource Coordinator, HR, and Budget Office
   - Developing a detailed financial report that considers direct costs (salaries and fringe) and indirect costs (compression and cliff effects)

3. Student recommendations for diversity courses (3 credit AUCC requirement for students to take a diversity course; require all students to take Intro to Women’s Studies and Intro to Ethnic Studies)
   - Working with VPUA Kelly Long and Carole Makela, UCC chair to review our core curriculum and the courses within the AUCC category 3E, Global and Cultural Awareness.
   - Short-term goal is to improve the ability of the 3E requirement to provide learning outcomes related to diversity.
   - Survey all 100 and 200-level courses to identify new courses to potentially add to the 3E category, if Department chooses (ex., Introduction to Women’s Studies).
   - Working under the umbrella of a larger initiative to redesign our core curriculum, with longer-term goal to create horizontal and vertical integration of diversity competencies throughout the entire curriculum.

4. Big issues/initiatives this year
   - Faculty Diversity: Recruit and hire more minority faculty, and then retain them. Working with Irene Vernon, Albert Bimper, Dan Bush, and now the President’s Commission on Diversity and Inclusion, and Dan Bush.
   - Evaluating Teaching and Service Effectiveness – Committee on Teaching Learning is working on this now.
   - Proposal from Committee on Non-Tenure Track Faculty to create new appointment titles, promotion pathways, professional development, and increase shared governance for NTTF
   - Parking Plan
   - Research Success Initiatives – VPR Alan Rudolph
   - Legislative Issues – CORA, Hospital Provider Fee
• Budget and prioritization of expenses

5. Number of faculty needed for University committees:

• Parking Services – need one faculty
• CSU Cares – need one faculty (meetings by phone) – provides emergency funds to employees
• EAB – Employee Appreciation Board

Stromberger’s report was received.

Nancy Hunter (Libraries): Have any other universities attempted the $30,000 limits?

Stromberger: At this level of a public university—I don’t know. Some cities and states have adopted a $15/hr minimum wage; other cities and states are talking about it.

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

Doherty reported the following:

The Board of Governors (BOG) met three times (May 5-6, June 16-17, and August 4-5) since the last Faculty Council meeting. Below are my notes from these meetings. Full BOG meeting minutes are available on the BOG web site.

The May 5-6 meeting was held on the CSU Fort Collins campus.

1) The Board of Governor’s Excellence in Undergraduate Teaching Award was awarded to Dr. Lori Peek.

2) Audit and Finance Committee
   a. CSU budget was approved
      i. Salary increase 1.8%
      ii. DCE contribution 0.5%
      iii. CSU-Pueblo will get 1% salary increase contingent on achieving fall enrollment goals.
      iv. CSU Global has a $10 million surplus.
   b. A CSU System Reserve was created.
      i. Faculty input should be obtained on how these funds are allocated.

3) Academic and Student Affairs Committee
   a. Master of Finance Plan C was approved.

   b. Graduate certificates were approved.
      i. College of Health and Human Sciences – Conflict Resolution and Mediation
ii. College of Natural Sciences – Data Analysis; Theory and Applications of Regression Models.

iii. College of Engineering – Systems Engineering Practice; Embedded Systems; Computer Systems Engineering; Power and Energy.

c. *Manual* changes were approved.
d. Emeritus rank designations were made.
e. The development of the You@CSU web site for student self-assessment of academic, health, and social needs and resources was presented.

4) Real Estate and Facilities Committee
   a. The Shields underpass right-of-way was approved as was the Program Plan for the Water Resources Center at the National Western Center.

5) Strategic Mapping update focused on a discussion of the faculty talent market

6) Shared Governance lunch went well.
   a. The Board was impressed with the number of councils and people involved.

7) Other interesting tidbits
   a. During the ASCSU report, one governor asked if faculty is ever surveyed about what they think of the quality of students (kind of the flipside of course surveys where students are assessing faculty). I thought that was an interesting question.
   b. Tuition oversight is swinging back to the Statehouse vs CDHE.
   c. Stadium project is meeting construction and financing goals.

**The June 16-17 meeting/retreat was held at the CSU Mountain Campus.** Most of the time was spent in a retreat focused on strategic planning and mapping. The regular Board meeting was short.

1) Strategic planning retreat
   a. Review of FY16
      i. Dr. William Shuster (from CSU College of Business) was present as he has helped with the strategic plan this past year.
      ii. Fiscal health and stress testing (e.g., CFI – composite financial index)
         1. CFI can be a difficult metric for large institutions, but CSU needs to pay attention. Other metrics needed to be monitored.
         2. Discussion of “dashboard” metrics for the BOG.
      iii. Public policy issues
         1. CSU Washington DC lobbyists were in attendance
            a. Can help institutional researchers with letters of support to representatives and government agencies.
         2. Discussion of federal financial aid and federal research budgets
            a. Sequestration cuts up to 2021
            b. Influence of national elections
               i. Clinton vs Trump college funding/debt plans

2) Board meeting
   a. Discussion of Reserve Policy
b. Academic calendar was presented

The August 4-5 meeting was held at the CSU-Pueblo Campus.

1) Audit and Finance Committee
   a. Campus budget presentations
      i. Without enrollment growth, difficult to balance the budget
      ii. Guaranteed tuition model presentation and discussion
         1. Not an approach for CSU to pursue at this time.

2) Real Estate/Facilities Committee
   a. More construction planned
      i. E.g., Richardson Design Center, Shields and Elizabeth underpass, Temple Grandin Center, JBS Global Food Innovation Center, Practice Fields and Heritage Garden
   b. Future construction focus may need to be on infrastructure and research facilities
   c. CSU could be downgraded by bond agencies, but the interest rates on borrowed money probably will not change much.

3) Lunch with CSU Faculty, Admin Pro, State Classified, and Student council leaderships

4) Strategic Mapping Update
   a. System-wide Council might be needed
   b. Faculty exchanges might be possible

5) Academic and Student Affairs Committee
   a. New Degree – PhD in Communications approved
   b. New Graduate Certificates approved for College of Health and Human Sciences, College of Liberal Arts, and Intra-University (Applied Global Sustainability).
   c. Faculty Manual Changes approved
      i. Preface – not Admin Pro need to approve changes to sections that affect them
      ii. Section F.3.16 – Parental leave
      iii. Section F.3.17 – Catastrophic leave
      iv. Section C.2.3.3, C2.8, and E.4.2 – Special Academic Units and hiring non-tenure track faculty
   d. Academic Calendar revisions approved
      i. Sunday Commencements
   e. Campus Activity Reports
      i. Most faculty (98%) meeting expectations or above
      ii. Compensation – we are at 93% of our peers
      iii. Number of women and minority faculty at all-time highs.

6) Other items
   a. Report on Extension activities (Lou Swanson)
   b. Annual Athletic reports
   c. Pay increases for the CSU Presidents and Chancellor were announced
The next BOG meeting will be Oct 6-7 on the Fort Collins Campus.

Questions:

Steve Reising (CoE): One year ago, Faculty Council was talking about incentives for participation in Faculty Council, and service recognition overall. Is the BOG aware of this?

Doherty: Discussions about service started last year. It has been turned over to CoRSAF. The council leadership talked about service and shared governance with the Board of Governors last May.

Doherty’s report was received.

4. Faculty Council Standing Committee 2015-16 Annual Reports
   a. Faculty Council Report to the Board of Governors
   b. Committee on Faculty Governance
   c. Committee on Intercollegiate Athletics
   d. Committee on Libraries - PENDING
   e. Committee on Non-Tenure Track Faculty
   f. Committee on Responsibilities and Standing of Academic Faculty – PENDING
   g. Committee on Scholarship, Research, and Graduate Education
   h. Committee on Scholastic Standards
   i. Committee on Strategic and Financial Planning
   j. Committee on Teaching and Learning
   k. Committee on University Program
   l. University Curriculum Committee

Stromberger presented the above written annual reports to Faculty Council. All reports were received.

5. University Benefits Committee

Stromberger asked if there were any questions regarding this report. Hearing none, the report was received.

CONSENT AGENDA

1. Confirmation of Faculty Council Secretary – Rita Knoll – Executive Assistant to Faculty Council

2. Confirmation of Faculty Council Parliamentarian – Lola Fehr – Professional Registered Parliamentarian
Carole Makela moved that Faculty Council adopt the consent agenda.

The consent agenda was unanimously approved.

**ACTION ITEMS**

1. Proposed revisions to the *Graduate and Professional Bulletin* – Continuous Registration – CoSRGE

Bill Sanford, Chair, CoSRGE, moved that Faculty Council approved the proposed revisions to the Graduate and Professional Bulletin, Continuous Registration, as follows:

**ADDITIONS - UNDERLINED - DELETIONS OVERSCORE**

**Continuous Registration**

**ADDITIONS - UNDERLINED - DELETIONS OVERSCORE**

All students admitted to a graduate program at CSU are required to be continuously registered in the fall and spring semester throughout their degree programs. This policy applies from the time of first enrollment through the graduation term. Students may fulfill this requirement by registering for any graduate credit-bearing course (regular or non-regular). As an alternative, students may opt for a Continuous Registration (CR) status. Registration for CR status is accomplished in the same way as registration for courses. Section ID numbers appear in the class schedule under the CR prefix. Students registering for CR will be assessed a fee for each semester of CR registration. Students graduating in summer any term are required to be registered for at least one credit or CR. See the Graduate Enrollment Requirement. Students must be either enrolled for at least one credit or must register for CR during the term (fall, spring, summer) they complete their degree requirements.

Students enrolled in CR have access to library services and campus computing services; they pay a mandatory University Technology Fee. CR students may also choose to purchase CSU student health insurance and/or access the CSU Health Network for a fee.

The maximum number of CR semesters a student may enroll in during his/her degree program is ten (10). When a student is in her/his first (1st), fourth (4th) and eighth (8th) semesters of CR, the student’s advisory committee is required to review the student’s progress and intentions related to degree completion, with input from the student. Upon completion of the review, a report that provides a student plan which includes academic expectations and an accompanying timeline for satisfactory progress for the degree will be forwarded to the department head/chair and student. A registration hold will be placed on a student with more than 10 semesters of CR unless the student’s department
head has submitted the student’s progression plan and a petition to the Dean of Graduate School to extend the number of CR semesters to a specific number beyond 10.

Students may register for CR for the following reasons:

1) They do not require the use of University resources (other than those listed above), but are actively working on their degree requirements. Students who are utilizing CSU facilities to conduct their research must not enroll in CR; instead, they must enroll in the appropriate number of research, thesis or dissertation credits. See Curricular Policies and Procedures Handbook, Appendix D, for information regarding faculty contact time needed to generate credit hours: http://curriculum.colostate.edu, or

2) They will not be working on their degree requirements, but will be leaving the University for professional or personal reasons (e.g., mission service, medical or parental leave, work) or an official assignment for CSU.

Subject to the established time limits for the earning of graduate degrees and the various academic requirements, CR registrants need not apply for readmission should they wish to take additional graduate courses. Such students are ensured a place in their graduate programs as long as they remain in good academic standing. However, students who do not register will need to apply for readmission for their next semester of enrollment.

The availability of the CR option shall not supersede any other registration requirements to which students may be subject at the University, Department, or Program level. For example, the credit bearing registration requirement for graduate assistantships applies to all students appointed to these positions—a student’s advisory committee may require additional course work. Similarly, some units may require adopt more stringent credit-bearing registration CR policies than that expressed here, until the degree is completed. The credit registration requirement for graduate assistantships applies to all students appointed to these positions.

Rationale:

This policy

1. Provides clarity regarding when and how CR should be used.
2. Specifically labels how CR can be used from academic and non-academic perspectives.
3. Supports student success. It will benefit graduate students by requiring a structured plan that provides faculty advising and monitoring components that have been developed to assist the student to make progress toward degree completion.
4. Assists faculty in managing their advisees.
5. Assists students to stay on track.
Sanford explained that there are two things in this motion: it clarifies continuous registration and it limits the number of continuing registration periods that can be signed up without approval by the committee.

The motion was unanimously approved by FC.

2. New Degree: PhD in Computer Engineering – effective Spring 2017 in the Department of Electrical and Computer Engineering, College of Engineering – UCC

Carole Makela, Chair, UCC, moved that Faculty Council approve a new Ph.D. program in Computer Engineering.

Carole Makela, Chair of UCC, explained that currently the department has a Ph.D. and Master’s programs in Computer and Electrical Engineering; they would like to separate the disciplines into distinct programs. It will be helpful for recruiting students. Now, when students choose a degree, it will do the tracking for them.

There was no discussion.

Makela’s motion was adopted, pending final approval by the Board of Governors


Carole Makela, Chair, UCC, moved that Faculty Council approve a new M.S. Plan A and a M.S. Plan B program in Computer Engineering.

There was no discussion.

Makela’s motion was adopted, pending final approval by the Board of Governors

4. Proposed revisions to Section C.2.1.9.5.d Committee on Libraries of the Academic Faculty and Administrative Professional Manual - CoFG

Steve Reising, Committee on Faculty Governance, moved that Faculty Council approve the proposed revision to the Manual, Section C.2.1.9.5.d, Committee on Libraries.

Reising explained that the motion originated from the Committee on Libraries, who would like to add a representative from the VPR’s office.
Nancy Hunter (Libraries): We currently have a guest from the VPR office who attends the meetings. Adding a representative as a member would improve the flow of information, including information related to research materials and journals.

Stromberger explained that because this is a Code (Section C) change in the Manual, it requires a 2/3 vote to pass.

The motion was unanimously approved by Faculty Council and is pending final approval by the Board of Governors.

5. Revise Academic Calendars (Fall and Spring semesters) 2016-2018; 2018-2020; and 2020-2022 to include Sunday commencements.

Stephanie Clemons, Vice Chair, moved that Faculty Council approve the revisions to the Academic Calendars, 2016-2022, to include Sunday commencements.

Stromberger explained that the proposed revisions would add Sunday commencements to the academic calendars already approved by Faculty Council. The Board of Governors considered these revisions during the August meeting, and approved of the change to the academic calendar, pending final approval by Faculty Council.

The motion was unanimously approved by FC.

DISCUSSION

1. None.

Stromberger adjourned the meeting 5:27 p.m.

Mary Stromberger, Chair
Stephanie Clemons, Vice Chair
Rita Knoll, Executive Assistant
ATTENDANCE
BOLD INDICATES PRESENT AT MEETING
UNDERLINE INDICATES ABSENT AT MEETING

<table>
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<tr>
<th>ELECTED MEMBERS</th>
<th>REPRESENTING</th>
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<tr>
<td>Agricultural Sciences</td>
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<tr>
<td>Stephan Kroll</td>
<td>Agricultural and Resource Economics</td>
<td>2019</td>
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<td>Stephen Coleman</td>
<td>Animal Sciences</td>
<td>2018</td>
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<tr>
<td>Scott Nissen</td>
<td>Bioagricultural Sciences &amp; Pest Management</td>
<td>2018</td>
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<tr>
<td>Adam Heuberger</td>
<td>Horticulture &amp; Landscape Architecture</td>
<td>2019</td>
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<tr>
<td>Francesca Cotrufo</td>
<td>Soil and Crop Sciences</td>
<td>2017</td>
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<tr>
<td>Jane Choi</td>
<td>College-at-Large</td>
<td>2019</td>
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<td>Jason Ahola</td>
<td>College-at-Large</td>
<td>2017</td>
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<td>Bradley Goetz</td>
<td>College-at-Large</td>
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<td>Health and Human Sciences</td>
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<td>Anna Perry</td>
<td>Design and Merchandising</td>
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<td>Brian Tracy</td>
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<td>David Sampson</td>
<td>Food Science and Human Nutrition</td>
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<td>Lisa Daunhauer</td>
<td>Human Development and Family Studies</td>
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<td>Scott Glick</td>
<td>Construction Management</td>
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<td>Barb Hooper</td>
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<tr>
<td>Eunhee Choi</td>
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<td>Bill Rankin</td>
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<td>2019</td>
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<td>Stephen Hayne</td>
<td>Computer Information Systems</td>
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<tr>
<td>Tianyang Wang</td>
<td>Finance and Real Estate</td>
<td>2019</td>
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<tr>
<td>Troy Mumford</td>
<td>Management</td>
<td>2018</td>
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<tr>
<td>Kelly Martin</td>
<td>Marketing</td>
<td>2018</td>
</tr>
<tr>
<td>(substituting for Tuba Ustuner-Fall 2016 sabbatical)</td>
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</tr>
<tr>
<td>Lisa Kutcher</td>
<td>College-at-Large</td>
<td>2019</td>
</tr>
<tr>
<td>John Hoxmeier</td>
<td>College-at-Large</td>
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<tr>
<td>Engineering</td>
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<tr>
<td>Russ Schumacher</td>
<td>Atmospheric Science</td>
<td>2018</td>
</tr>
<tr>
<td>Travis Bailey</td>
<td>Chemical and Biological Engineering</td>
<td>2019</td>
</tr>
<tr>
<td>Rebecca Atadero</td>
<td>Civil and Environmental Engineering</td>
<td>2018</td>
</tr>
<tr>
<td>Siddharth Suryanarayanan</td>
<td>Electrical and Computer Engineering</td>
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<tr>
<td>Shantanu Jathar</td>
<td>Mechanical Engineering</td>
<td>2017</td>
</tr>
<tr>
<td>J. Rockey Luo</td>
<td>College-at-Large</td>
<td>2019</td>
</tr>
<tr>
<td>Steven Reising</td>
<td>College-at-Large</td>
<td>2019</td>
</tr>
<tr>
<td>Ted Watson</td>
<td>College-at-Large</td>
<td>2018</td>
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<tr>
<td>Department</td>
<td>Faculty Name</td>
<td>Department or Program</td>
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<tr>
<td>Liberal Arts</td>
<td>Michael Pante</td>
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<tr>
<td></td>
<td>Marius Lehene</td>
<td>Art</td>
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<tr>
<td></td>
<td>Julia Khrebtan-Horbager</td>
<td>Communication Studies</td>
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<tr>
<td></td>
<td>Robert Keller</td>
<td>Economics</td>
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<td>Sue Doe</td>
<td>English</td>
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<td>Albert Bimper</td>
<td>Ethnic Studies</td>
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<tr>
<td></td>
<td>TBD</td>
<td>Languages, Literatures and Cultures</td>
</tr>
<tr>
<td></td>
<td>Thaddeus Sunseri</td>
<td>History</td>
</tr>
<tr>
<td></td>
<td>(substituting for Adrian Howkins Fall 2016)</td>
<td>Journalism and Technical Communication</td>
</tr>
<tr>
<td></td>
<td>Wesley Ferreira</td>
<td>Music, Theater, and Dance</td>
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<tr>
<td></td>
<td>Moti Gorin</td>
<td>Philosophy</td>
</tr>
<tr>
<td></td>
<td>Kyle Saunders</td>
<td>Political Science</td>
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<tr>
<td></td>
<td>Tara Opsai</td>
<td>Sociology</td>
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<tr>
<td></td>
<td>Antonio Pedros-Gascon</td>
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<td></td>
<td>Mohammed Hirchi</td>
<td>College-at-Large</td>
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<td></td>
<td>David Riep</td>
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<td></td>
<td>Angela Christian</td>
<td>College-at-Large</td>
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<td></td>
<td>Lori Peek</td>
<td>College-at-Large</td>
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<tr>
<td>Natural Resources</td>
<td>Monique Rocca</td>
<td>Ecosystem Science and Sustainability</td>
</tr>
<tr>
<td></td>
<td>Julie Savidge (Fall 2016;</td>
<td>Fish, Wildlife, &amp; Conservation Biology</td>
</tr>
<tr>
<td></td>
<td>Barry Noon (thru Spring 2018)</td>
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<tr>
<td></td>
<td>Maria Fernandez-Gimenez</td>
<td>Forest and Rangeland Stewardship</td>
</tr>
<tr>
<td></td>
<td>William Sanford</td>
<td>Geosciences</td>
</tr>
<tr>
<td></td>
<td>Richard Knight</td>
<td>HDNR in Warner College</td>
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<tr>
<td>Natural Sciences</td>
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<td>Biochemistry and Molecular Biology</td>
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<td></td>
<td>Melinda Smith</td>
<td>Biology</td>
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<td>George Barisas</td>
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<td>Ross McConnell</td>
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<td></td>
<td>Gerhard Dangelmayr</td>
<td>Mathematics</td>
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<tr>
<td></td>
<td>Mingzhong Wu</td>
<td>Physics</td>
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<td></td>
<td>Silvia Canetto</td>
<td>Psychology</td>
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<td></td>
<td>Mary Meyer</td>
<td>Statistics</td>
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<tr>
<td></td>
<td>Ed DeLosh</td>
<td>College-at-Large</td>
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<td></td>
<td>Anton Betten</td>
<td>College-at-Large</td>
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<td>Janice Moore</td>
<td>College-at-Large</td>
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<td></td>
<td>Brad Conner</td>
<td>College-at-Large</td>
</tr>
<tr>
<td></td>
<td>Alan Van Orden</td>
<td>College-at-Large</td>
</tr>
</tbody>
</table>
Veterinary Medicine & Biomedical Sciences
C.W. Miller Biomedical Sciences 2019
Dean Hendrickson Clinical Sciences 2019
Lucas Argueso Environmental & Radiological Health Sciences 2017
Jennifer McLean Microbiology, Immunology and Pathology 2018
(substituting for Alan Schenkel)
Ryan Ferris College-at-Large 2017
Gerald Callahan College-at-Large 2017
Patrick McCue College-at-Large 2018
Stuart Tobet College-at-Large 2018
DN Rao Veeramachaneni College-at-Large 2018
Marie Legare College-at-Large 2019
Anne Avery College-at-Large 2019
Tod Clapp College-at-Large 2019
Dawn Duval College-at-Large 2019

University Libraries
Nancy Hunter Libraries 2019
Naomi Lederer substituting (Fall 2016) for Michelle Wilde 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 Donavan, Chair Committee on Intercollegiate Athletics 2017
Nancy Hunter, Chair Committee on Libraries 2017
Jenny Morse, Chair Committee on Non-Tenure Track Faculty 2017
Bill Hanneman, 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
<table>
<thead>
<tr>
<th>Committee on Intercollegiate Athletics</th>
<th>Term Expires</th>
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<tbody>
<tr>
<td>SHANE GARLAND</td>
<td>2017</td>
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<table>
<thead>
<tr>
<th>Committee on Scholarship, Research, and Graduate Education</th>
<th>Term Expires</th>
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<tbody>
<tr>
<td>ANDREW FELTON</td>
<td>2017</td>
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<table>
<thead>
<tr>
<th>Committee on Strategic and Financial Planning</th>
<th>Term Expires</th>
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<tbody>
<tr>
<td>HANNAH PAULY</td>
<td>2017</td>
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</table>

<table>
<thead>
<tr>
<th>Committee on Teaching and Learning</th>
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<tbody>
<tr>
<td>LINDSAY LAMMERS</td>
<td>2017</td>
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<table>
<thead>
<tr>
<th>Committee on University Programs</th>
<th>Term Expires</th>
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<tbody>
<tr>
<td>ALISTAIR COOK</td>
<td>2017</td>
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<table>
<thead>
<tr>
<th>University Curriculum Committee</th>
<th>Term Expires</th>
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<tbody>
<tr>
<td>KEVIN JABLONSKI</td>
<td>2017</td>
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</table>
BALLOT
University Committee Nominations
PARKING SERVICES COMMITTEE
3 year term
October 4, 2016

Term Expires

MICHAEL LEFSKY___________  Warner College of Natural Resources  2019
COMMITTEE ON LIBRARIES

Annual Report - for September 1, 2015 to - June 30, 2016

Members: Susan Baker (Health and Human Sciences), Patrick Burns (Dean, University Libraries – ex officio), Kellie Enns (Agricultural Sciences), Antero Garcia (Liberal Arts), Martin Gelfand (Natural Sciences), Kelsey Hatley (graduate student representative), Nancy Hunter (University Libraries), Laurence Johnson (Business), Jake Loughridge (undergraduate student representative), Jerry Magloughlin, Chair (Natural Resources), Noreen Reist (Veterinary Medicine and Biomedical Sciences), Mary Stromberger (Chair, Faculty Council – ex officio). There was no faculty representative from the College of Engineering.

Meetings:
- September 29, 2015
- October 20, 2015
- November 17, 2015
- December 8, 2015
- February 11, 2016
- March 10, 2016
- April 14, 2016
- May 5, 2016

Attendance:

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<tbody>
<tr>
<td>Susan Baker</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
<td>X</td>
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<td></td>
<td></td>
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<tr>
<td>Kellie Enns (sabbatical leave spring semester – substitute Michael Martin)</td>
<td>X</td>
<td>X</td>
<td>SUB</td>
<td>SUB</td>
<td>SUB</td>
<td>SUB</td>
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<td>SUB</td>
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<tr>
<td>Antero Garcia</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>SUB</td>
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<tr>
<td>Martin Gelfand</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Kelsey Hatley</td>
<td>X</td>
<td></td>
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<tr>
<td>Nancy Hunter</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Laurence Johnson</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>SUB</td>
<td>X</td>
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<tr>
<td>Jake Loughridge</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Jerry Magloughlin</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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</tr>
<tr>
<td>Noreen Reist</td>
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</tbody>
</table>

Substantive matters (issues) brought to the committee:

- Unizin joint subcommittee activities
  - Two committee members were also members of the Unizin committee, and COL was frequently updated on discussions of that committee.
- Unizin early adopter program
- ORCID
  - Brought to the attention of the committee at several junctures. Committee voted on and approved the concept of all CSU personnel who publish in journals having an ORCID. Further ideas on how to better publicize this and encourage signing up remained unfinished business.
- Open textbooks
• Open access activities
  • Open Access Research and Scholarship funding
    o Discussed the progress of this program and voted on and approved a modified model so as to better distribute funds. Concluded the program is helping researchers publish open access articles.
  • Collection reductions
    o Major item and repeated discussions through the year. Models were considered on how to cut the libraries budget, principally involving the proportions of journals, databases, and books (materials). A total of $205,000 in reductions was enacted with COL involvement. This FY, it was possible to cut mostly relatively low-use journals. Future cuts will grow progressively more painful.
    o Fiscal result of breaking up a small bundle (the Mary Ann Liebert collection) still pending; this has important implications as to whether or not the breaking up of journal bundles is a possible cost-saving strategy.
• Impact of books/monographs cuts
  o Discussed the decrease such that purchases are down to about 60% of past years, and falling. E-book spending now accounts for about 75% of book $s.
  o Materials expenditures (FY14) places us 102nd out of 115 ARL libraries, and second from the bottom among our peer institutions.
  o Another impact of this is that CSU borrows more items from other institutions than all except 6 other ILL intuitions.
• Impact of select database cuts
  o Discussed loss of unique content and losing indexing for thousands of journals.
• Libraries budget / funding issues
  o A letter unanimously approved by COL was sent to CoSFP
• Graduate student submission of data sets
  o Discussed with the recommendation that in some fashion, a plan ought to be included in student GS-6 forms. To be revisited in 2016-2017.
• University research data policy
  o Reviewed and discussed by COL with no significant objections.
• Data retention policy
  o Discussed with a recommendation to circulate widely to faculty, especially regarding implications for graduate student data sets.
• Interlibrary loan
  o Discussed potential fiscal limitations, and encouraged CSU libraries to make better known the cost of ILL materials.
• Semester at Sea
  o Information only: summer 2016 relocation to CSU.
• University accessibility policy
  o Discussed and considered fiscal impacts on the university
• Committee membership – ex-officio representative from the VPR office
  o COL voted to approve adding a representative from the VPR office as an ex-officio member, modified language in section C.2.1.9.5.d, and forwarded on to Don Estep of CFG.
A regular meeting of the University Curriculum Committee was held on August 19, 2016, at 2:00 p.m.

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

Curriculum Liaison Specialist: Shelly Ellerby.

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

Absent: Professor Ed DeLosh and Undergraduate Representative Tyler Siri.

Minutes
The Minutes of May 6, 2016 were approved electronically 5/9/16.

Consent Agenda
The Consent Agenda was approved.

New Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Effective Term</th>
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<tbody>
<tr>
<td>JTC 203</td>
<td>Television Studio Production 1(0-0-1)</td>
<td>Spring 2017</td>
</tr>
<tr>
<td>Prerequisite: None.</td>
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<td></td>
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<tr>
<td>Registration Information: None.</td>
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<td></td>
</tr>
<tr>
<td>Description: Hands-on application of the skills needed to produce programs in a television studio.</td>
<td></td>
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<tr>
<td>Grade Mode: Traditional.</td>
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<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Effective Term</th>
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</thead>
<tbody>
<tr>
<td>JTC 204</td>
<td>Radio Operations 1(0-0-1)</td>
<td>Spring 2017</td>
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<tr>
<td>Prerequisite: None.</td>
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<td></td>
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<tr>
<td>Registration Information: None.</td>
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</tr>
<tr>
<td>Description: Hands-on application of the skills needed to operate a radio station.</td>
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<tr>
<td>Grade Mode: Traditional.</td>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Effective Term</th>
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</thead>
<tbody>
<tr>
<td>JTC 352</td>
<td>University Public Relations 1(1-0-0)</td>
<td>Spring 2017</td>
</tr>
<tr>
<td>Prerequisite: None.</td>
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<td></td>
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<tr>
<td>Registration Information: None.</td>
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<tr>
<td>Description: Overview of a multi-faceted public relations operation, its constituencies, staff, management and products.</td>
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<td>Grade Mode: Traditional.</td>
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Major Changes to Courses

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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Effective Term</th>
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<tbody>
<tr>
<td>ACT 612</td>
<td>Issues in Contemporary Financial Reporting and Auditing Accounting Issues 3(3-0-0)</td>
<td>Spring 2017</td>
</tr>
<tr>
<td>Prerequisite: ACT 312.</td>
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<tr>
<td>Restriction: Must be a: Graduate, Professional.</td>
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<tr>
<td>Registration Information: Sections may be offered: Online.</td>
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<tr>
<td>Description: Historical development of accounting; controversial issues involved in calculations and disclosures of enterprise periodic income. Contemporary and emerging issues that lie at the intersection of financial reporting and auditing.</td>
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<tr>
<td>Grade Mode: Traditional.</td>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Effective Term</th>
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<tbody>
<tr>
<td>CIVE 202</td>
<td>Numerical Modeling and Risk Analysis 3(2-2-0)</td>
<td>Fall 2017</td>
</tr>
<tr>
<td>Prerequisite: CIVE 103; MATH 160 or concurrent registration. (CIVE 103) and (MATH 160, may be taken concurrently or MATH 159, may be taken concurrently).</td>
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<tr>
<td>Registration Information: Must register for lecture and laboratory. Civil Engineering, Environmental Engineering or Engineering Science majors only.</td>
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<tr>
<td>Description: Civil engineering systems, simulation and optimization techniques, statistical tools and their use in civil engineering, risk analysis.</td>
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<tr>
<td>Grade Mode: Traditional.</td>
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</table>
EDCL  EDHE  799 Dissertation Var[1-18] (0-0-0) F, S, SS  
Spring 2017
Prerequisite: None.
Restriction: Must be a: Graduate, Professional.
Registration Information: Sections may be offered: Online. Written consent of advisor.
Description: 
Grade Mode: Instructor Option.

NR 355  Contemporary Environmental Issues 3(0-0-3) F, S, SS  
Spring 2017
Prerequisite: One course in biology.
Registration Information: Written consent of instructor can substitute for biology course. Offered as an online course only. Sections may be offered: Online.
Description: Fundamental concepts of energy, population, and ecology applied to range of contemporary environmental issues.
Grade Mode: Traditional.

POLS 463  Urban Policy and Management 3(3-0-0) F, S, SS  
Spring 2017
Prerequisite: POLS 101 or POLS 103; completion of AUCC category 2.
Registration Information: POLS 101 or POLS 103; completion of AUCC category 2.
Description: Policy choices and management issues associated with urban government.
Grade Mode: Traditional.

Other Business

Experimental Course – Third Offering Request
A request to offer an experimental course for a third offering (MATH 581A1) was approved for Fall 2016. See memo after the Consent Agenda.

The meeting adjourned at 4:30p.m.

(FC)  8/26/16
Carole Makela, Chair
Shelly Ellerby, Curriculum Liaison Specialist
A regular meeting of the University Curriculum Committee was held on August 26, 2016, at 2:00 p.m.

**Members present:** Chair Carole Makela, Professors Ed DeLosh, Bradley Goetz, Paul Mallette, Beth Oehlerts, Howard Ramsdell, Sally Sutton, VPUA Kelly Long (ex-officio), Graduate Representative Kevin Jablonski, Undergraduate Representatives Eddie Kendall and Mike Lensky.

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

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

**Absent:** Professors Mike Hogan and Brad Reisfeld.

**Minutes**
The Minutes of August 19, 2016 were approved.

**Consent Agenda**
None.

### New Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Effective Term</th>
<th>Prerequisite</th>
<th>Registration Information</th>
<th>Description</th>
<th>Grade Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 574</td>
<td>Geodynamics 3(3-0-0) S</td>
<td>Spring 2017</td>
<td>GEOL 250, MATH 261, and PH 141.</td>
<td>None</td>
<td>Continuum mechanics applied to understanding of deformation within the earth. Stress and strain as tensors, with application to various geological settings; plate flexure and isostasy; steady state and time dependent heat conduction in a geological context; fluid mechanics of the earth.</td>
<td>Traditional</td>
</tr>
<tr>
<td>GR 448</td>
<td>Forest Biogeography and Climate Change 3(3-0-0) S</td>
<td>Spring 2017</td>
<td>GR 100 or GR 210 or GR 303 or GR 348 or GR 410 or ESS 211 or ESS 311 or F 311.</td>
<td>Junior standing</td>
<td>Forest adaptation and conservation in relation to global change with a focus on climate change.</td>
<td>Traditional</td>
</tr>
</tbody>
</table>

### Major Changes to Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Effective Term</th>
<th>Prerequisite</th>
<th>Registration Information</th>
<th>Description</th>
<th>Grade Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>F 624</td>
<td>Fire Ecology 3(3-2-0) F, S</td>
<td>Spring 2017</td>
<td>One course in ECOL, F 310 or F 311 or LIFE 320 or RS 300 or RS 310 or RS 452 or NR 565 or NR 578 or ECOL 505.</td>
<td>Must register for lecture and laboratory. Sections may be offered: Online.</td>
<td>Fire in forest and range ecosystems; principles and techniques for evaluating fire effects on vegetation, soils, watersheds, and wildlife.</td>
<td>Traditional</td>
</tr>
</tbody>
</table>
## Major Changes to Existing Programs

### College of Agricultural Sciences
Department of Horticulture & Landscape Architecture
Minor in Environmental Horticulture

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Lower Division</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Select two courses from the following:</strong></td>
<td></td>
</tr>
<tr>
<td>HORT 100</td>
<td>Horticultural Science</td>
<td></td>
</tr>
<tr>
<td>HORT 221</td>
<td>Landscape Plants</td>
<td></td>
</tr>
<tr>
<td>HORT 231</td>
<td>Landscape Graphics Studio</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Upper Division</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Select two courses from the following:</strong></td>
<td></td>
</tr>
<tr>
<td>HORT 341</td>
<td>Turfgrass Management</td>
<td></td>
</tr>
<tr>
<td>HORT 464A</td>
<td>Arboriculture</td>
<td></td>
</tr>
<tr>
<td>HORT 465</td>
<td>Landscape Estimating</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Select a minimum of seven credits (six must be upper division) from the following:</strong></td>
<td></td>
</tr>
<tr>
<td>HORT 260</td>
<td>Plant Propagation</td>
<td></td>
</tr>
<tr>
<td>HORT 232</td>
<td>Principles of Landscape Design</td>
<td></td>
</tr>
<tr>
<td>HORT 321</td>
<td>Nursery Production and Management</td>
<td></td>
</tr>
<tr>
<td>HORT 322</td>
<td>Herbaceous Plants</td>
<td></td>
</tr>
<tr>
<td>HORT 331</td>
<td>Landscape Design</td>
<td></td>
</tr>
<tr>
<td>HORT 335</td>
<td>Landscape Structures</td>
<td></td>
</tr>
<tr>
<td>HORT 336</td>
<td>Landscape Grading and Drainage Studio</td>
<td></td>
</tr>
<tr>
<td>HORT 441</td>
<td>Turfgrass Science</td>
<td></td>
</tr>
<tr>
<td>LAND 120</td>
<td>History of the Designed Landscape</td>
<td></td>
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</tbody>
</table>

**Program Total Credits**: 21

---

### Warner College of Natural Resources
Department of Forest & Rangeland Stewardship
Minor in Range Ecology

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Lower Division</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Select a minimum of 9 credits from the following:</strong></td>
<td></td>
</tr>
<tr>
<td>BZ 223</td>
<td>Plant Identification</td>
<td></td>
</tr>
<tr>
<td>LIFE 320</td>
<td>Ecology</td>
<td></td>
</tr>
<tr>
<td>NR 220</td>
<td>Natural Resource Ecology and Measurements</td>
<td></td>
</tr>
<tr>
<td>SOCR 240</td>
<td>Introductory Soil Science</td>
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---
### Upper Division

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>F 310/R 310</td>
<td>Forest and Rangeland Ecogeography</td>
<td>3</td>
</tr>
<tr>
<td>R 300</td>
<td>Rangeland Conservation and Stewardship</td>
<td>3</td>
</tr>
<tr>
<td>R 312</td>
<td>Rangeland Plant Identification Lab</td>
<td>1</td>
</tr>
<tr>
<td>R 432</td>
<td>Rangeland Measurements and Monitoring</td>
<td>2</td>
</tr>
</tbody>
</table>

Select a minimum of 4 credits from a minimum of 2 courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>R 329</td>
<td>Rangeland Assessment</td>
</tr>
<tr>
<td>R 351</td>
<td>Wildland Ecosystems in a Changing World</td>
</tr>
<tr>
<td>R 452</td>
<td>Rangeland Herbivore Ecology and Management</td>
</tr>
<tr>
<td>R 478</td>
<td>Ecological Restoration</td>
</tr>
</tbody>
</table>

**Program Total Credits**: 22

1. **SOCR 240** and one of **BZ 223**, **F 240**, or **NR 220** are recommended.

---

### Program Deactivations

**Warner College of Natural Resources**  
**Department of Human Dimensions of Natural Resources**  
**Major in Natural Resource Recreation and Tourism, Environmental Communication Concentration**

Approved request to drop the Major in Natural Resource Recreation and Tourism, Environmental Communication Concentration, effective Fall 2018.

---

**Warner College of Natural Resources**  
**Department of Human Dimensions of Natural Resources**  
**Major in Natural Resource Recreation and Tourism, Parks and Protected Area Management Concentration**

Approved request to drop the Major in Natural Resource Recreation and Tourism, Parks and Protected Area Management Concentration, effective Fall 2018.

---

The meeting adjourned at 3:20p.m.

(FC) 9/2/16

Carole Makela, Chair  
Shelly Ellerby, Curriculum Liaison Specialist
A regular meeting of the University Curriculum Committee was held on September 2, 2016, at 2:00 p.m.

**Members present:** Chair Carole Makela, Professors Ed DeLosh, Bradley Goetz, Paul Mallette, Beth Oehlerts, Howard Ramsdell, Sally Sutton, Brad Reisfeld, Chris Schauberg for Graduate Representative Kevin Jablonski, Undergraduate Representatives Eddie Kendall.

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

**Guests:** Julia Murphy (Registrar’s Office) and Scott Woods (CSU Online).

**Absent:** VPUA Kelly Long (ex-officio).

**Minutes**
The Minutes of August 26, 2016 were approved.

**Consent Agenda**
The Consent Agenda was approved.

### New Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisite</th>
<th>Effective Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 235</td>
<td>Indigenous Peoples of North America 3(3-0-0) F, S, SS</td>
<td>None.</td>
<td>Spring 2017</td>
</tr>
<tr>
<td>ANTH 378</td>
<td>Bipedal Apes 3(3-0-0) S</td>
<td>ANTH 120 or BZ 101.</td>
<td>Spring 2017</td>
</tr>
<tr>
<td>E 236</td>
<td>Short Fiction 3(3-0-0) F</td>
<td>None.</td>
<td>Spring 2017</td>
</tr>
<tr>
<td>FW 179</td>
<td>New-to-the-Major Seminar 1(0-0-1) F, S</td>
<td>None.</td>
<td>Spring 2017</td>
</tr>
</tbody>
</table>

**Description:**
- **ANTH 235**: Explores Native groups of North America from an anthropological perspective, and utilizes a culture area framework as a basis for investigation. Culture area framework is largely based on historical material—how these people have lived in the recent past. Evaluating how these groups live in the present. Contemporary issues, globalization, and local responses to local concerns. 
  **Grade Mode**: Traditional.
- **ANTH 378**: Human bipedal walking within a comparative framework of primate locomotion and anatomy. Specific focus is on kinematics and kinetics of soft- and hard-tissues including analysis of extant primate locomotion, morphology, and development. Discussions focus on debates in primate functional anatomy and locomotion including hypotheses surrounding the origins and evolution bipedal walking and running and possible maladaptations of being a human biped.  
  **Grade Mode**: Traditional.
- **E 236**: Examines form, technique and interpretation in short fiction.  
  **Grade Mode**: Traditional. 
  **[AUCC 3B: Arts & Humanities]**
- **FW 179**: Introduces students new to the Fish, Wildlife, and Conservation Biology major to curriculum, faculty, research, key concepts, careers, professional development, and other students.  
  **Grade Mode**: S/U Sat/Unsat Only.
### JTC 305  Media and Global Cultural Identity 3(3-0-0) [offering term]  Spring 2017

**Prerequisite:** None.

**Registration Information:** Sophomore standing. Sections may be offered: Online.

**Description:** Examines cultural diversity in our increasingly globalized world.

**Grade Mode:** Traditional.

### VS 760  Methods in Orthopaedic Research 3(2-0-1) S  Spring 2017

**Prerequisite:** None.

**Registration Information:** Must be a: Graduate. Must register for lecture and recitation.

**Description:** Methods utilized in orthopaedic research will be presented by reviewing basic principles followed by examples of use in research projects.

**Grade Mode:** Traditional.

#### Major Changes to Courses  Effective Term

**MIP 612 Applied Immunology 3(3-0-0) S  Spring 2017**

**Prerequisite:** None.

**Restriction:** Must be a: Graduate.

**Registration Information:** Sections may be offered: Online. Enrollment in Admission to the face-to-face offering of the course requires admission to the M.S. in Microbiology, Immunology, and Pathology, Plan B program.

**Description:** Application of classic and modern principles in immunology currently being used in the medical, biotechnology and basic research fields.

**Grade Mode:** Traditional.

**MIP 614 Medical Microbiology 3(3-0-0) S  Spring 2017**

**Prerequisite:** None.

**Restriction:** Must be a: Graduate.

**Registration Information:** Sections may be offered: Online. Enrollment in Admission to the face-to-face offering of the course requires admission to the M.S. in Microbiology, Immunology, and Pathology, Plan B program.

**Description:** In-depth examination of the pathogenic mechanisms of medically important bacteria, fungi, parasites and viruses.

**Grade Mode:** Traditional.

### New Undergraduate Certificates  Effective Spring 2017

**College of Agricultural Sciences**

**Department of Animal Sciences**

**Certificate in Beef Feedlot Management**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANEQ 420</td>
<td>Applied Nutrition--Computer Diet Formulation</td>
<td>3</td>
</tr>
<tr>
<td>ANEQ 476</td>
<td>Feedlot Systems</td>
<td>3</td>
</tr>
<tr>
<td>ANEQ 487A</td>
<td>Internship: Animal 1</td>
<td>1</td>
</tr>
<tr>
<td>AREC 310</td>
<td>Agricultural Marketing</td>
<td>3</td>
</tr>
<tr>
<td>AREC 412</td>
<td>Agricultural Commodities Marketing</td>
<td>3</td>
</tr>
</tbody>
</table>

**Program Total Credits**  13

1  Internship in beef feedlot management.
### College of Agricultural Sciences

**Department of Animal Sciences**

**Certificate in Beef Production Systems**

**Effective Spring 2017**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANEQ 300N</td>
<td>Topics in Animal Sciences: Seedstock Merchandising</td>
<td>2</td>
</tr>
<tr>
<td>ANEQ 470</td>
<td>Meat Processing Systems</td>
<td>4</td>
</tr>
<tr>
<td>ANEQ 476</td>
<td>Feedlot Systems</td>
<td>3</td>
</tr>
<tr>
<td>ANEQ 478</td>
<td>Beef Systems</td>
<td>3</td>
</tr>
<tr>
<td>ANEQ 487A</td>
<td>Internship: Animal 1</td>
<td>1</td>
</tr>
</tbody>
</table>

Program Total Credits: 13

1 Internship in beef production systems.

---

**Major Changes to Existing Programs**

### College of Liberal Arts

**Department of Ethnic Studies**

**Major in Ethnic Studies**

**Effective Fall 2015 Effective Fall 2017**

Students in the Ethnic Studies major must earn a minimum grade of C (2.000) for all Ethnic Studies courses required for the major.

#### FRESHMAN

<table>
<thead>
<tr>
<th>Code</th>
<th>AUCC</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>CO 150</td>
<td>College Composition (GT-CO2)</td>
<td>1A</td>
</tr>
<tr>
<td>ETST 100</td>
<td>Introduction to Ethnic Studies (GT-SS3)</td>
<td>3E</td>
</tr>
<tr>
<td><strong>Arts and Humanities</strong></td>
<td></td>
<td>3B</td>
</tr>
<tr>
<td><strong>Biological and Physical Sciences</strong></td>
<td></td>
<td>3A</td>
</tr>
<tr>
<td><strong>Global and Cultural Awareness</strong></td>
<td></td>
<td>3E</td>
</tr>
<tr>
<td><strong>Historical Perspectives</strong></td>
<td></td>
<td>3D</td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td></td>
<td>1B</td>
</tr>
<tr>
<td>Electives</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Credits: 27

#### SOPHOMORE

Select one course from the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>AUCC</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ETST 208/ART 208</strong></td>
<td>Course ETST 208 Not Found</td>
<td>-</td>
</tr>
<tr>
<td><strong>ETST 234/E 234</strong></td>
<td>Introduction to Native American Literature</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>ETST 240</td>
<td>Native American Cultural Experience (GT-AH2)</td>
<td>3B</td>
</tr>
<tr>
<td>ETST 255/HIST 255</td>
<td>Native American History (GT-HI1)</td>
<td>3D</td>
</tr>
<tr>
<td>ETST 352/SOWK 352</td>
<td>Indigenous Women, Children, and Tribes</td>
<td></td>
</tr>
<tr>
<td>ETST 414/ANTH 414</td>
<td>Development in Indian Country</td>
<td></td>
</tr>
<tr>
<td>ETST 425</td>
<td>Indigenous Film and Video</td>
<td></td>
</tr>
<tr>
<td>ETST 438/E 438</td>
<td>Native American Literature</td>
<td></td>
</tr>
<tr>
<td>ETST 444/SOC 444</td>
<td>Federal Indian Law and Policy</td>
<td></td>
</tr>
</tbody>
</table>

Select one course from the following: 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETST 250/HIST 250</td>
<td>African American History (GT-HI1)</td>
<td>3D</td>
</tr>
<tr>
<td>ETST 310</td>
<td>African-American Studies</td>
<td></td>
</tr>
<tr>
<td>ETST 354</td>
<td>Black Cinema and Media</td>
<td></td>
</tr>
<tr>
<td>ETST 410</td>
<td>African American Periods and Personalities</td>
<td></td>
</tr>
<tr>
<td>ETST 411</td>
<td>Black Feminism(s)</td>
<td></td>
</tr>
<tr>
<td>ETST 412</td>
<td>Africa and African Diaspora</td>
<td></td>
</tr>
</tbody>
</table>

Select one course from the following: 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETST 239/E 239</td>
<td>Introduction to Chicano Literature</td>
<td></td>
</tr>
<tr>
<td>ETST 253</td>
<td>Chicana/o History and Culture (GT-HI1)</td>
<td>3E</td>
</tr>
<tr>
<td>ETST 254</td>
<td>La Chicana in Society</td>
<td></td>
</tr>
<tr>
<td>ETST 261</td>
<td>Latina/o Populations in the U.S.</td>
<td></td>
</tr>
<tr>
<td>ETST 332</td>
<td>Contemporary Chicana/o Issues</td>
<td></td>
</tr>
<tr>
<td>ETST 430</td>
<td>Latina/o Creative Expression</td>
<td></td>
</tr>
<tr>
<td>ETST 432</td>
<td>Latina/o Routes to Empowerment</td>
<td></td>
</tr>
<tr>
<td>ETST 454/SPCM 454</td>
<td>Chicano/a Film and Video</td>
<td></td>
</tr>
</tbody>
</table>

Select one course from the following: 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETST 252/HIST 252</td>
<td>Asian-American History (GT-HI1)</td>
<td>3D</td>
</tr>
<tr>
<td>ETST 320</td>
<td>Ethnicity and Film: Asian-American Experience</td>
<td></td>
</tr>
<tr>
<td>ETST 324</td>
<td>Asian-Pacific Americans and the Law</td>
<td></td>
</tr>
<tr>
<td>ETST 364/HIST 364</td>
<td>Asian American Social Movements, 1945-Present</td>
<td></td>
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</table>

Select one course from the following: 3

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETST 205</td>
<td>Ethnicity and the Media (GT-SS3)</td>
<td>3E</td>
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<tr>
<td>ETST 256</td>
<td>Border Crossings: People/Politics/Culture (GT-SS3)</td>
<td>3E</td>
</tr>
<tr>
<td>ETST 300</td>
<td>Queer Studies and Women of Color</td>
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</tr>
<tr>
<td>ETST 310/ANTH 310</td>
<td>Course ETST 310 Not Found</td>
<td></td>
</tr>
<tr>
<td>ETST 365</td>
<td>Global Environmental Justice Movements</td>
<td></td>
</tr>
<tr>
<td>ETST 370</td>
<td>Caribbean Identities</td>
<td></td>
</tr>
<tr>
<td>ETST 371</td>
<td>The Modern Caribbean</td>
<td></td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Credits</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------</td>
<td>---------</td>
</tr>
<tr>
<td>ETST 382/LGEN 382</td>
<td>Italian Ethnic Identity, Culture, and Gender</td>
<td></td>
</tr>
<tr>
<td>ETST 413</td>
<td>Queer Creative Expressions</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Advanced Writing</td>
<td>3</td>
</tr>
<tr>
<td>Minor/Interdisciplinary Minor$^1$</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Biological and Physical Sciences</td>
<td></td>
<td>3A</td>
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<tr>
<td>Electives</td>
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<tr>
<td><strong>Total Credits</strong></td>
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<td><strong>31</strong></td>
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### JUNIOR

Select one from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ETST 404</td>
<td>Race Formation in the United States</td>
<td>4A,4B</td>
</tr>
<tr>
<td>ETST 405</td>
<td>Ethnicity, Class, and Gender in the U.S.</td>
<td>4A,4B</td>
</tr>
</tbody>
</table>

Select 12 credits from the following in consultation with advisor.$^2$

- African American courses
- Asian/Pacific American courses
- Chicano(a)/Latino(a) courses
- Native American courses
- Global Ethnic Studies (select from the following)$^3$
  - ANTH 319/ETST 319 Latin American Peasantries
  - ETST 205 Ethnicity and the Media (GT-SS3) 3E
  - ETST 256 Border Crossings: People/Politics/Culture (GT-SS3) 3E
  - ETST 300 Queer Studies and Women of Color
  - ETST 365 Global Environmental Justice Movements
  - ETST 370 Caribbean Identities
  - ETST 371 The Modern Caribbean

Minor/Interdisciplinary Minor$^1$ 8

- Social and Behavioral Sciences 3C 3
- Electives 7

**Total Credits** **33**

### SENIOR

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETST 487</td>
<td>Internship–Ethnic Studies</td>
<td>3</td>
</tr>
<tr>
<td>ETST 493</td>
<td>Ethnic Studies Research Methods and Writing</td>
<td>4A,4B,4C</td>
</tr>
<tr>
<td>Minor/Interdisciplinary Minor$^1$</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>Electives$^4$</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

**Total Credits** **29**

**Program Total Credits:** 120

---

$^1$ Students must complete a minor/interdisciplinary minor consistent with the student’s program of study. A minimum total of 21 credits, 12 of which are upper division, is required.

$^2$ Depending on the advisor's discretion.

$^3$ Depending on the student's interest.

$^4$ Depending on the student's needs.
Seniors may select with advisor approval ETST 541, ETST 550, ETST 531, ETST 535.

Seniors may select with advisor approval from ETST 500-level courses.

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

A major change proposal to the Interdisciplinary Minor in Legal Studies was withdrawn by the department in response to concerns from affected departments.

The meeting adjourned at 3:45 p.m.

Carole Makela, Chair
Shelly Ellerby, Curriculum Liaison Specialist
A regular meeting of the University Curriculum Committee was held on September 9, 2016, at 2:00 p.m.

**Members present:** Chair Carole Makela, Professors Ed DeLosh, Bradley Goetz, Paul Mallette, Beth Oehlerts, Howard Ramsdell, Sally Sutton, Brad Reisfeld, Don Samuelson for Paul Mallette, 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:** Undergraduate Student Representative.

**Minutes**
The Minutes of September 2, 2016 were approved.

**Consent Agenda**
The Consent Agenda was approved.

### New Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Effective Term</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HORT 328 Interior Plantscaping 3(2-2-0) F</strong></td>
<td>Spring 2017</td>
</tr>
<tr>
<td><strong>JTC 344 Fact to Fiction 3(3-0-0) As needed</strong></td>
<td>Spring 2017</td>
</tr>
</tbody>
</table>

**Prerequisite**
- HORT 100 or BZ 120.
- JTC 211.

**Registration Information**
- Must register for lecture and laboratory. Required field trips.
- Sophomore standing. Sections may be offered: Online.

**Description**
- Interior plant culture, plant identification, interiorscape design and concepts for running an interior plantscaping business.
- Crafting clear, precise prose in reporting the news and researching and writing long-form fiction.

**Grade Mode**
- Traditional.

**Major Changes to Courses**

- **ACT 601B Professional Practice:** Accounting Auditing

**Effective Term**
- Summer 2017

**Prerequisite**
- HDFS 101 or PSY 100, HDFS 277 or concurrent registration.

**Registration Information**
- Sections may be offered: Online.

**Description**
- Theories of play and creativity provide the foundation for examining the role of art, music, and literature in early childhood as related to child development. Exploration of creative techniques appropriate for young children and how these techniques enhance the child’s self-expression, creativity, and development in educational, medical, and therapeutic settings.

**Grade Mode**
- Traditional.
INST 200  Interdisciplinary Approaches to Globalization 3(3-0-0) F, S, SS
Prerequisite: None.
Registration Information: None.
Description: Uses an interdisciplinary lens to explore and elucidate the issues, themes, and problems associated with globalization. Helping students navigate the complexities of our globalized and globalizing world, introducing students to diverse cultures and societies around the world and highlight global patterns and connections, and familiarizing students with the value of interdisciplinary research.
Grade Mode: Traditional.
[AUCC 3E: Global & Cultural Awareness]

SPCM 130  Relational and Organizational Communication 3(2-0-1) F, S, SS
Prerequisite: None.
Registration Information: Sections may be offered: Online.
Description: Basic communication processes and skills central to relating and organizing in interpersonal, small group, and organizational contexts.
Grade Mode: Traditional.
[AUCC 3C and GT-SS3]

SPCM 347  Visual Communication 3(3-0-0) S
Prerequisite: SPCM 100 or SPCM 342.
Registration Information: Sections may be offered: Online.
Description: Media/visual aesthetics and literacy, and the symbolic and affective dimensions of the codes, conventions, and formulas of media.
Grade Mode: Student Option.

New Graduate Certificates

College of Natural Sciences
Department of Psychology
Graduate Certificate in Organizational Development

Additional coursework may be required due to prerequisites.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 648</td>
<td>Applied Organizational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 661</td>
<td>Applied Organizational Development</td>
<td>3</td>
</tr>
<tr>
<td>PSY 666</td>
<td>Succession Planning and Leadership Development</td>
<td>3</td>
</tr>
</tbody>
</table>

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.
College of Natural Sciences
Department of Psychology
Graduate Certificate in Performance Management

Effective Fall 2017

Additional coursework may be required due to prerequisites.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 647</td>
<td>Applied Industrial Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 667</td>
<td>Competency Modeling and Criterion Development</td>
<td>3</td>
</tr>
<tr>
<td>PSY 668</td>
<td>Workforce Training and Development</td>
<td>3</td>
</tr>
</tbody>
</table>

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.*

New Specialization

College of Business
Department of Accounting

Effective Fall 2017

Master of Accountancy, Plan C, Financial Analysis, Auditing, and Reporting Specialization

Effective Fall 2017

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACT 540</td>
<td>Professional Ethics and Responsibilities</td>
<td>3</td>
</tr>
<tr>
<td>ACT 561</td>
<td>Legal and Regulatory Issues in Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACT 601B</td>
<td>Professional Practice: Auditing</td>
<td>3</td>
</tr>
<tr>
<td>ACT 631</td>
<td>Corporate Taxation</td>
<td>3</td>
</tr>
<tr>
<td>ACT 641</td>
<td>Contemporary Auditing</td>
<td>3</td>
</tr>
</tbody>
</table>

Other required courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ACT 541</td>
<td>Forensic Accounting and Fraud Auditing</td>
<td>3</td>
</tr>
<tr>
<td>ACT 612</td>
<td>Contemporary Financial Accounting Issues</td>
<td>3</td>
</tr>
<tr>
<td>ACT 614</td>
<td>Financial Statement Analysis and Valuation</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

Select six credits of the following, or other approved MAcc elective in consultation with advisor: **6**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ACT 570</td>
<td>Government and Nonprofit</td>
<td></td>
</tr>
<tr>
<td>ACT 575</td>
<td>Oil and Gas Accounting</td>
<td></td>
</tr>
<tr>
<td>CIS 601</td>
<td>Enterprise Computing and Systems Integration</td>
<td></td>
</tr>
<tr>
<td>FIN 475</td>
<td>International Business Finance</td>
<td></td>
</tr>
</tbody>
</table>

Program Total Credits: **30**
### Major Changes to Existing Programs

**College of Business**  
**Department of Accounting**  
**Master of Accountancy, Plan C (M.Acc.)**  

**Effective Fall 2017**

#### Effective Fall 2017 2013

<table>
<thead>
<tr>
<th>Code</th>
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</tr>
<tr>
<td>ACT 540</td>
<td>Professional Ethics and Responsibilities</td>
<td>3</td>
</tr>
<tr>
<td>ACT 561</td>
<td>Legal and Regulatory Issues in Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ACT 601A</td>
<td>Professional Practice: Taxation</td>
<td>3</td>
</tr>
<tr>
<td>or ACT 601B</td>
<td>Professional Practice: Auditing</td>
<td></td>
</tr>
<tr>
<td>ACT 601B</td>
<td>Professional Practice: Auditing</td>
<td></td>
</tr>
<tr>
<td>ACT 631</td>
<td>Corporate Taxation</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Auditing Requirement

Select one course from the following:  

- ACT 641 Contemporary Auditing  
- ACT 631 Corporate Taxation

#### Selected Courses

Select a minimum of 15 credits from the following not taken above:

- ACT 411 Advanced Accounting
- ACT 541 Forensic Accounting and Fraud Auditing
- ACT 541 Forensic Accounting and Fraud Auditing
- ACT 601B Professional Practice: Auditing
- ACT 550 Accounting Information Technologies
- ACT 570 Government and Nonprofit
- ACT 575 Oil and Gas Accounting
- ACT 612 Contemporary Financial Accounting Issues
- ACT 614 Financial Statement Analysis and Valuation
- ACT 622 Course ACT 622 Not Found
- ACT 633 Flow-Through Entities
- ACT 635 State and Local Taxation
- ACT 636 Taxation of Corporations and Shareholders
- ACT 639 Special Topics in Taxation
- ACT 641 Contemporary Auditing
- CIS 600 Information Technology and Project Management
- CIS 601/MGT 601 Enterprise Computing and Systems Integration
- FIN 475 International Business Finance

**Program Total Credits**  

A minimum of 30 credits are required to complete this program.
Effective Fall 2017 2013

<table>
<thead>
<tr>
<th>Code</th>
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<tr>
<td><strong>Required Core</strong></td>
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<td>Professional Practice: Taxation</td>
<td>3</td>
</tr>
<tr>
<td>ACT 631</td>
<td>Corporate Taxation</td>
<td>3</td>
</tr>
<tr>
<td><strong>Auditing Requirement</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Select one course from the following:</strong></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>ACT 641</td>
<td>Contemporary Auditing</td>
<td>3</td>
</tr>
<tr>
<td><strong>Taxation Specialization Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Select a minimum of 15 credits from the following:</strong></td>
<td>Required Courses</td>
<td>15</td>
</tr>
<tr>
<td>ACT 633</td>
<td>Flow-Through Entities</td>
<td>3</td>
</tr>
<tr>
<td>ACT 635</td>
<td>State and Local Taxation</td>
<td>3</td>
</tr>
<tr>
<td>ACT 636</td>
<td>Taxation of Corporations and Shareholders</td>
<td>3</td>
</tr>
<tr>
<td>ACT 639</td>
<td>Special Topics in Taxation</td>
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</table>
### Elective

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<td>Government and Nonprofit</td>
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<tr>
<td>ACT 575</td>
<td>Oil and Gas Accounting</td>
</tr>
</tbody>
</table>

**Program Total Credits**  

30

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

---

### Program Deactivations

**Warner College of Natural Resources**  
Department of Human Dimensions of Natural Resources  
Master of Science in Human Dimensions of Natural Resources, Conservation Leadership Specialization  
Effective Spring 2017

Approved request to drop the Master of Science in Human Dimensions of Natural Resources, Conservation Leadership Specialization, effective Spring 2017.

---

### Updates and Corrections to Previous UCC Minutes

1. ACT 612 was approved for major changes to the course on the 8/19/16 UCC minutes effective Spring 2017. In the correct course description, the words “that lie” should be omitted.

   **ACT 612 Issues in Contemporary Financial Reporting and Auditing Accounting Issues 3(3-0-0) F S**

   Description: Contemporary and emerging issues that lie at the intersection of financial reporting and auditing.

2. JTC 305 was approved as a new course on the 9/2/16 UCC minutes effective Spring 2017. The original offering term for JTC 305 was listed in the minutes as: [offering term]. The correct offering term for JTC 305 is: Spring.

   **JTC 305 Media and Global Cultural Identity 3(3-0-0) [offering term] S**

   **Prerequisite:** None.

   **Registration Information:** Sophomore standing. Sections may be offered: Online.

   **Description:** Examines cultural diversity in our increasingly globalized world.

   **Grade Mode:** Traditional.
3. NR 355 was approved for major changes to the course on the 8/19/16 UCC minutes effective Spring 2017. The original contact hour distribution was listed as: 3(0-0-3). The correct contact hour distribution is: 3(3-0-0).

**NR 355  Contemporary Environmental Issues 3(0-0-3) (3-0-0) F, S, S**

The meeting adjourned at 3:05p.m.

(FC) 9/16/16

Carole Makela, Chair
Shelly Ellerby, Curriculum Liaison Specialist
Kayleen Allen, Curriculum & Catalog Assistant
A regular meeting of the University Curriculum Committee was held on September 16, 2016, at 2:00 p.m.

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

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

**Guests:** Julia Murphy (Registrar’s Office), Linda Selkirk (CSU Online) and Doreen Hyatt (Microbiology, Immunology and Pathology).

**Absent:** Beth Oehlerts, Mike Hogan, Undergraduate Student Representative.

**Minutes**
The Minutes of September 9, 2016 were approved.

**Consent Agenda**
The Consent Agenda was approved.

**New Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Effective Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANEQ 532</td>
<td>Genetics of Bovine Respiratory Disease 1(1-0-0) S</td>
<td>1</td>
<td>Spring 2017</td>
</tr>
</tbody>
</table>
| Prerequisite: ANEQ 330 and ANEQ 531.  
Registration Information: Senior standing. Written consent of instructor. Offered as an online course only. This is a partial semester course. Credit not allowed for both ANEQ 532 and ANEQ 580A2.  
Description: Quantitative and molecular perspectives on the genetics of susceptibility to bovine respiratory disease (BRD); genetic improvement in BRD susceptibility.  
Grade Mode: Traditional. |
| ANEQ 533    | Marker and Gene Assisted Selection 1(1-0-0) S    | 1       | Spring 2017    |
| Prerequisite: ANEQ 535 or ANEQ 575.  
Registration Information: Graduate standing. Written consent of instructor. This is a partial semester course. Offered as an online course only. Credit not allowed for both ANEQ 533 and ANEQ 580A3.  
Description: Approaches to including DNA marker and gene information into livestock selection decisions to improve accuracy and rate of genetic improvement.  
Grade Mode: Traditional. |
| CIVE 508    | Bridge Engineering 3(3-0-0) S                    | 3       | Spring 2017    |
| Prerequisite: CIVE 367.  
Restriction: None.  
Registration Information: None.  
Description: Introduces the fundamentals of bridge engineering, including bridge basics, bridge loads, bridge analysis and bridge design.  
Grade Mode: Traditional. |
| MECH 515    | Advanced Topics in Mechanical Vibrations 3(2-1-0) F | 3       | Spring 2017    |
| Prerequisite: MECH 324.  
Restriction: Junior standing.  
Registration Information: Must register for lecture and laboratory.  
Description: Structural modal analysis, rotordynamics, and torsional vibrations. Lectures are supported with practical application labs.  
Grade Mode: Traditional. |
**Study Abroad Course**

**ETST 182A Study Abroad 1(0-0-1) S**
[2nd Offering]
Prerequisite: None.
Restriction: None.
Registration Information: None.
Description: Spring break travel to Cuba. Lectures and guided tours by Cuban experts. Variable topics dealing with Cuban society, race, and gender issues.
Grade Mode: Traditional.

**Effective Term**

Spring 2017

**Major Changes to Courses**

**CIVE 260 Engineering Mechanics-Statics 3(3-0-0) F, S, SS**
Prerequisite: MATH 159 or MATH 160; PH 141 or concurrent registration.
Restriction: College of Engineering majors only.
Registration Information: Sections may be offered: Online.
Description: Forces using vector notation; static equilibrium of rigid bodies; friction, virtual work, centroids, and moments of inertia.
Grade Mode: Student Option Traditional.

Spring 2017

**CIVE 556 Slope Stability, Seepage, and Earth Dams 3(3-0-0) S**
Offering Year: Even Odd
Prerequisite: CIVE 355.
Restriction: None.
Registration Information: Sections may be offered: Online.
Description: Slope stability, Hydraulic conductivity measurements, seepage analysis and controls, and earth dam and embankment design, computer applications, in Geotechnical Engineering practice. Students will gain an understanding of the theory, design, and analysis necessary to evaluate slope stability, seepage, and earth dam problems.
Grade Mode: Student Option Traditional.

Spring 2017

**HES 487 Internship 1215 (0-0-36 40) F, S, SS**
Prerequisite: None.
Restriction: HES 145 with a C or better; HES 207 with a C or better; HES 486B; BMS 300 with a C or better; FSHN 150 with a C or better.
Registration Information: Senior standing. Consent of department.
Description: Practical application of knowledge, skills, and leadership in a professional situation.
Grade Mode: Instructor Option Traditional.

Fall 2017

**RRM 350 Hospitality Marketing Restaurant and Resort Marketing 3(3-0-0) F**
Prerequisite: RRM 101.
Restriction: None.
Registration Information: None.
Description: Operations marketing, including consumer behaviors, marketing strategies, and marketing plans in the hospitality industry. Restaurant and resort operations marketing, including planning, promotion, and special industry considerations.
Grade Mode: Traditional.

Fall 2017

**SOCR 415 Pollinator Management in Agroecosystems 2124(21-0-0) S**
Prerequisite: HORT 100 or SOCR 100.
Registration Information: Junior standing. This is a partial semester course. Credit not allowed for both SOCR 415 and BSPM 415. Required field trips.
Description: Fundamental concepts of pollinator biology and management, sustainable crop-pollinator interactions, regional and global issues on pollinator management and conservation, best management practices for commercially managed pollinators, conservation.
Grade Mode: Traditional.

Spring 2017
Updates and Corrections to Previous UCC Minutes

1. HDFS 217 was approved for major changes to the course on the 9/9/16 UCC minutes effective Spring 2017. The correct credit hour distribution should reflect that credit hours changed from 3 credits lecture to 2 credits lecture and 1 credit recitation. Also, “must register for lecture and recitation” has been added to Registration Information.

HDFS 217  Creative Experiences for Children  3(2-0-1) F, S, SS  Spring 2017  
Prerequisite: HDFS 101 or PSY 100; HDFS 277 or concurrent registration.
Registration Information: Sections may be offered: Online. Must register for lecture and recitation.

2. SPCM 130 was approved for major changes to the course on the 9/9/16 UCC minutes effective Spring 2017. “Must register for lecture and recitation” has been added to Registration Information.

SPCM 130  Relational and Organizational Communication  3(2-0-1) F, S, SS  Spring 2017  
Prerequisite: None.
Registration Information: Sections may be offered: Online. Must register for lecture and recitation.

The meeting adjourned at 4: 25 p.m.

(FC) 9/23/16  
Carole Makela, Chair  
Shelly Ellerby, Curriculum Liaison Specialist  
Kayleen Allen, Curriculum & Catalog Assistant
MEMO

TO: Mary Stromberger, Chair, Faculty Council
FROM: Bill Sanford, Committee on Scholarship, Research and Graduate Education
DATE: September 1, 2016
RE: Revisions to the Graduate and Professional Bulletin – EVALUATION OF GRADUATE STUDENTS

THE COMMITTEE ON SCHOLARSHIP, RESEARCH AND GRADUATE EDUCATION MOVE THAT FACULTY COUNCIL ADOPT THE REVISIONS TO SECTION: “EVALUATION OF GRADUATE STUDENTS – OF THE GRADUATE AND PROFESSIONAL BULLETIN TO BE EFFECTIVE UPON FACULTY COUNCIL ADOPTION EFFECTIVE IMMEDIATELY AS FOLLOWS:

ADDITIONS - UNDERLINED - DELETIONS OVERSCORED

EVALUATION OF GRADUATE STUDENTS

Graduate students are students, apprentices to the professions, and, when they hold an assistantship or other paid position, student employees. Each of these roles has its own rights and responsibilities. Graduate students are responsible for knowing any special expectations and requirements of their department and program. They are expected to remain in good academic standing by making satisfactory progress toward the degree (see Scholastic Standards) and must at all times have an advisor. In the event that an advisor resigns from that position, it is the student's responsibility to obtain a replacement.

Rationale: The HR Manual references Graduate Assistants as students receiving an assistantship and paid a stipend. Human Resources recommends that we say “student employees”, to avoid any confusion that they are common law employees of the university.
MEMO

TO:       Mary Stromberger, Chair, Faculty Council
FROM:     Bill Sanford, Committee on Scholarship, Research and Graduate Education
DATE:     September 1, 2016
RE:       Revisions to the *Graduate and Professional Bulletin* –
           CSU STUDENT CONDUCT CODE

THE COMMITTEE ON SCHOLARSHIP, RESEARCH AND GRADUATE EDUCATION
MOVE THAT FACULTY COUNCIL ADOPT THE REVISIONS TO SECTION: “CSU
STUDENT CONDUCT CODE” OF THE *GRADUATE AND PROFESSIONAL BULLETIN* TO
BE EFFECTIVE UPON FACULTY COUNCIL ADOPTION EFFECTIVE IMMEDIATELY
AS FOLLOWS:

ADDITIONS - UNDERLINED - DELETIONS OVERSCORED

*Graduate and Professional Bulletin*

The *Graduate and Professional Bulletin* is designed to provide post baccalaureate students and
prospective students with the information which is most essential. It is not a comprehensive
source. A complete listing of graduate programs and degrees may be found by visiting the
Graduate School (http://graduateschool.colostate.edu/prospective-students/degrees.aspx).

The policies and procedures in the Graduate and Professional Bulletin apply to all graduate
students, except for Doctor of Veterinary Medicine (DVM) students. The policies and procedures
for DVM students are found at the DVM Student Resource Page
(http://csucvmbs.colostate.edu/dvm-program/Pages/dvm-studentresources.aspx).

CSU reserves the right at any time, without notice, to change, modify, or cancel any course,
program, procedure, policy, financial requirement, or disciplinary arrangement set forth in this
catalog whenever, in its sole discretion, it determines such action to be appropriate. Furthermore,
CSU will not be responsible for any failure to present or complete any course or program or to
perform any other activity, function, or obligation mentioned in this catalog. Since changes may
occur at any time, students must check the relevant website (as noted throughout this catalog).
Changes can be found on the Catalog Updates page.

*CSU Student Conduct Code*

The Student Conduct Code (http://www.conflictresolution.colostate.edu/conduct-code) exists to
notify students, faculty, and staff of the specific expectations Colorado State University holds
related to student behavior and the rights and responsibilities that accompany being a student and
participating in student clubs or organizations.
**Rationale:** The CSU Student Conduct Code does not currently exist in the Graduate & Professional Bulletin, however, it is in the Catalog. This inclusion is to make graduate students aware that the policy applies to them as well.
Application/Registration
Colorado State University Centers, Institutes and Other Special Units

Name of individual completing this application: David Randall

Telephone Number: 970-491-8474   Date: March 10, 2016

Requested Start Date for this Center/Institute/Laboratory: July 1, 2016

1. Name of proposed Center or Institute or Other Special Unit (CIOSU):
   Earth System Modeling and Education Institute (ESMEI)

2. Name, Title, telephone number, and signature of administrative director(s) of proposed CIOSU (See Academic Faculty/Administrative Professional Manual, Section B.2.6.5, last paragraph).

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Tel #</th>
<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>David Randall</td>
<td>Director</td>
<td>(970) 491-8474</td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Name</th>
<th>Tel #</th>
<th>E-mail Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>1371 Campus mail</td>
<td>(970) 491-8693</td>
<td><a href="mailto:randall@atmos.colostate.edu">randall@atmos.colostate.edu</a></td>
</tr>
</tbody>
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<th>Name</th>
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<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Scott Denning</td>
<td>Education Director</td>
<td>(970) 491-8359</td>
<td></td>
</tr>
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<table>
<thead>
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<th>E-mail Address</th>
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<tbody>
<tr>
<td>1371 Campus mail</td>
<td>(970) 491-8693</td>
<td><a href="mailto:denning@atmos.colostate.edu">denning@atmos.colostate.edu</a></td>
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</table>

Overseeing Administrator: (responsible for making initial recommendation to continue, consolidate, or terminate a CIOSU during the biennial reporting process)

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Tel #</th>
<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jeffrey Collett</td>
<td>Professor and Dept. Head</td>
<td>(970) 491-8697</td>
<td></td>
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<thead>
<tr>
<th>Name</th>
<th>Tel #</th>
<th>E-mail Address</th>
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</thead>
<tbody>
<tr>
<td>1371 Campus mail</td>
<td>(970) 491-8449</td>
<td><a href="mailto:collett@atmos.colostate.edu">collett@atmos.colostate.edu</a></td>
</tr>
</tbody>
</table>
*How the administrative director was selected:* David Randall has served as the Director of the Center for Multiscale Modeling of Atmospheric Processes (CMMAP). The proposed Institute, ESMEI, is the institutional follow-on to CMMAP. David Randall was listed as the planned Director of ESMEI when the Department of Atmospheric Science, the College of Engineering, and the Vice President for Research committed funding for the support of ESMEI.

3. Mission of proposed unit and how this mission relates to the mission and strategic goals of Colorado State University. (Concise summary of 100 words or less)

ESMEI will have a broad Earth Science focus, and will help to make meaningful and productive connections among Earth scientists from across Colorado State University. Although ESMEI will be closely associated with CSU’s Department of Atmospheric Science, it will also proactively engage with faculty and staff from other CSU units, just as CMMAP has done. In particular, ESMEI will collaborate with the School of Global Environmental Sustainability (including its Future Earth hub), the Natural Resource Ecology Laboratory (NREL), the Energy Institute, and the Water Center.

4. Statement of goals and/or objectives of the proposed unit.

**Research goals**

ESMEI will conduct a broad, federally funded program of Earth System Modeling, including both model development and applications to understanding future climate change. ESMEI’s initial research thrusts will be in the following directions:

- Cloud processes in the climate system, which are a key source of uncertainty in predictions of future climate change;
- Mathematical methods for high-resolution simulations of global weather and climate, with opportunities for collaboration with Mathematics and Computer Science;
- Multiscale interactions of the atmosphere with the land surface with opportunities for collaboration with NREL and the Water Center.

**Educational goals**

- *Internships-* ESMEI will coordinate a program offering Research Experiences for Undergraduates (REU) each summer at the Department of Atmospheric Science. An REU Site has been awarded by the NSF. Interns will be recruited from across the U.S., with special emphasis on historically black colleges and universities and other minority-serving institutions. Research projects, mentor selection, and recruitment of ESMEI summer interns will be closely coordinated with the Atmospheric Science faculty and the Department’s admissions process. Faculty from other CSU Departments will also be included in these activities.

- *Teacher training-* Every summer, ESMEI will conduct a series of Teacher Professional Development courses on weather, climate, and climate change in collaboration with the Little Shop of Physics in CSU’s College of Natural Science. These courses will offer science content at the undergraduate level along with a rich suite of classroom activities, web-based resources, and kits for hands-on curriculum enhancement. Teachers and school districts will support the courses through tuition payments, and we will also seek additional federal support for assessment and evaluation in collaboration with CSU’s School of Education.
• *NSF Research Traineeships* - ESMEI will continue to partner with Atmospheric Science faculty at North Carolina Agricultural and Technological University which will include exchanges of students, postdocs, and faculty as well as collaborative proposals.

5. The purpose/mission of this CIOSU does not overlap/duplicate that of other existing CIOSUs.
   
   True ☑ False ☐

6. Name(s) of Colorado State University unit(s) [Department(s)/College(s)] with which this CIOSU will be affiliated.

   The Department of Atmospheric Science, College of Engineering
   Department of Civil Engineering, College of Engineering
   Little Shop of Physics, College of Natural Sciences
   Department of Mathematics, College of Natural Sciences
   Department of Ecosystem Science and Sustainability, Warner College of Natural Resources
   Graduate Degree Program in Ecology
   Department of Political Science, College of Liberal Arts
   Department of Economics, College of Liberal Arts

7. On a separate single sheet, using both front and back if needed, please provide a description of (a) the organizational and administrative structure and responsibilities, (b) the personnel involved, (c) how the CIOSU will be internally governed, and (d) a summary budget showing funding sources and amounts, and expenses such as space, personnel salaries, equipment and other resources required. The budget should include sufficient detail to indicate program viability for a period of at least five years. If funding sources have not been secured, the applicant should indicate potential sources, amounts and an approximate time-frame for securing such funds.

8. CSU Business and Financial Services is available to provide CIOSUs guidance in implementing proper controls over the sales of goods and services. Does the proposed CIOSU plan to charge a fee for the sale of goods and/or services: ☐ Yes ☑ No

Signatures (See Section B.2.6.3 of the Manual)

[Signature]  [Signature]  [Signature]
(Dept. Chair) (Department) (Date)

[Signature]  [Signature]  [Signature]
(Dean) (Engineering) (Date)

[Signature]  [Signature]  [Signature]
(Dept. Chair) (Department) (Date)

[Signature]  [Signature]  [Signature]
(Dean) (College) (Date)
Date Received: Click here to enter text. Month/Year for start of CIOSU: Click here to enter text.

Anticipated month/year for formal evaluation: Click here to enter text.

Signatures: ____________________________ ____________________________
(Chair, Faculty Council) (Date of FC/Committee Action)

________________________
(Provost or Vice President for Research) 5/6/15
(Date of Approval)

Responsible Administrator: □ Provost X VP for Research □ Other: ____________________________

********************************************************************************************

Applicant: Forward this application to the Office of Faculty Council, which will forward a copy to the Provost. The Provost shall act as or assign the Responsible Administrator for the proposed CIOSU based on its primary mission (See Section B.2.6.3 of the Manual).

If approved, the CIOSU will be subject to periodic evaluations. (See Section B.2.6.6 of the Manual).

(Revised 1/14)
Organization, Personnel, Governance, and Budget

1. Organizational and administrative structure and responsibilities, ESMEI’s Director will lead the Institute’s research activities, including coordinating proposals and organizing workshops. ESMEI’s Educational Director will be responsible for strategic planning of ESMEI’s educational and diversity initiatives. ESMEI’s Financial Manager will manage all ESMEI accounts, ensure that funds are spent as intended, and keep detailed records. ESMEI’s Communication and Events Manager will manage ESMEI’s meetings and workshops, and its interactions with CSU at large and the outside world. ESMEI’s Education and Diversity Manager will include identify and nurture relationships with Minority Serving Institutions, and lead the summer undergraduate internship program.

2. Personnel

David Randall will serve as the founding Director of ESMEI. Scott Denning will serve as ESMEI’s Education Director. Melissa Burt will serve as ESMEI’s Education and Diversity Manager. Connie Hale will serve as ESMEI’s Financial Manager. Claire Moore will serve as ESMEI’s Communication and Events Manager. In addition, ESMEI will continue CMMAP’s ongoing collaborations with faculty and staff in various other Departments across CSU, including:

- Brian Jones (Physics) in collaboration with the Little Shop of Physics
- Rich Conant (Ecosystem Science and Sustainability) on Professional Master’s Degree in Greenhouse Management & Accounting
- Michael Kirby (Mathematics) on the chaotic behavior of weather systems, in collaboration with the Simons Foundation
- Michelle Betsill (Chair of Political Science), on climate change policy
- David McIlvor (Political Science) on science & democracy, in collaboration with the Kettering Foundation
- Terry Iverson (Economics) on carbon cycle feedbacks and economics
- Mazdak Arabi (Civil Engineering) on climate change and urban water infrastructure
- Graduate Degree Program in Ecology.

3. Governance

The Director of ESMEI reports to the Head of the Department of Atmospheric Science. ESMEI’s Education Director reports to the Director of ESMEI in connection with ESMEI business. ESMEI’s Education and Diversity Manager reports to the Education Director. ESMEI’s Financial and Communication and Events Managers report to the Director.

4. Summary budget

ESMEI’s external funding will come from federal agencies and private benefactors. Proposals with Atmospheric Science Principal Investigators will be submitted through the Department of Atmospheric Science, and returned overhead will flow back to the Department of Atmospheric Sciences. ESMEI’s target is $4 M per year of federal funding, including approximately $1.3 M per year of overhead. ESMEI will also seek private funding through CSU channels.

Starting on July 1, 2016, the Department of Atmospheric Science and the College of Engineering will each provide $60 K per year, and the Vice President for Research will provide $120 K per year. In addition, the Department of Atmospheric Science and the College of Engineering have agreed to provide 50% support for Melissa Burt, ESMEI’s Education and Diversity Manager. The other half of Dr. Burt’s salary will come from external research funding.