

Colorado School of Mines – FACULTY SENATE MEETING MINUTES
November 8, 2:00 – 4:00 pm, in the Guggenheim Boardroom and Zoom

Attendees:

Voting Members: 15 total (8 needed for quorum). Quorum was present.

P	Jeff King (Chair)	A	Cristian Ciobanu (ME)	A	Linda Figueroa (CEE/MN)	P	Joseph Horan (HASS)
P	Ebru Bozdag (GP)	P	Brandon Dugan (GP)	P	Mansur Ermila (PE)	P	Cynthia Norrgran (CBE)
P	Bettina Voelker (CH)	A	Lawrence Wiencke (PH)	P	Pat Kohl (PH)	P	Ventzi Karaivanov (ME)
P	Sid Saleh (EB)	P	Deb Carney (AMS)	P	Soutir Bandyopadhyay (AMS)		

Other Regular Attendees and Guests

A	Tracy Gardner (Trustee)	A	Rick Holz (AA)	P	Paul Myskiw (RO)	A	Colin Terry (Student Life)
A	Sam Spiegel (Mines Online)	P	Emmelia Ashton (USG)	A	Liam Witteman (GSG)	P	Mara Green (AA)
A	Vibhuti Dave (UGS)	A	Tim Barbari (OGS)	A	Lori Kester (EM)	P	Nicole Bewar (LB)
P	Karla Perez-Velez (CASA)	P	Deb Jordan (Trefny)	P	Angela Dunn (Mines Online)	P	Andrew Herring (AA)

Special Guest(s):

Welcome

Jeff King

King encouraged faculty and staff to help during moonlight breakfast for students on 12/8, 8:00-9:30pm at Mines Market; a signup sheet would be provided.

King will be out the week of 11/14 for conference with professional society; asked Senators and committees to consider that the 11/15 working meeting may be cancelled. King will be out for the week of 11/21 and would miss the 11/22 meeting for family medical concerns.

Approval of Minutes – October 25, 2022

Jeff King

MOTION: To approve the minutes of October 25, 2022 by Dugan, seconded by Horan. Motion passed unanimously.

Registrar’s Office Announcements

Paul Myskiw

Registration for students needing accommodations begins 11/9 for Spring 2023. Spring 2023 registration for campus begins 11/14.

Myskiw assisting in putting together a review document for HLC, asked Senate on governance process for course approvals and credit hour determination. Academic Faculty Bylaws explicitly state that Senate is responsible for approvals with process described for both Graduate and Undergraduate Council. Some language has been drafted on the course approval process in an attestation document. Credit hour approval and determination is not documented, legal definition from CDHE used. Level determination has been left to departments where Council can review and bring into question any concerns.

Analysis of 400- and 500-level courses has been done by Barbari; 200-, 300-, and 400-level have not been defined.

- **Question** if the current process for course level determination is acceptable or if peer institutions process course levels differently; Myskiw reported that this is written out for 500- and 700-level courses. Suggestion made to consider writing out the definitions.

Mines' goal is to remain honest and accurate on current practices. Suggestion made to integrate the discussion into the Bylaws and Rules ad hoc committee.

New Business

Who Owns Canvas Content/IP

Kadri Dağdelen

Concern raised on Canvas directories having been downloaded without knowledge of the faculty within the department. Question raised on what right faculty have to their course material uploaded to Canvas and if material becomes property of the institution and department. Suggestion made to discuss between the Faculty Handbook committee, Councils, and Mines Online. Questions directly pertaining to legality could be directed to the Handbook committee.

Information on intellectual property can be found in the Faculty Handbook 10.1.3A-E.

Professors must be invited to Canvas courses to view students' grades and downloading and sharing this information goes against FERPA guidelines. Only Mines' email address can be provided access to a Mines' Canvas course. If a course is downloaded, the course can be distributed outside of the institution.

Confirmations and Appointments

Faculty Contracts Ad Hoc Committee

Cristian Ciobanu

Jeff King

Ruskell chair of ad hoc committee. Committee would consider new faculty contracts and identify areas of faculty concern and recommend action to the Senate. The following questions sought to be addressed:

- What were the general changes to the contracts?
- What level of Policies and Procedures should be included in the contracts?
- Removal of right of appeal for teaching faculty:
 - o Did any teaching faculty member retain this right?
 - o What are the criteria for retaining this right?
 - o Was this intentional and, if so, why?
- What is the implication of not signing?

Senate suggestion to review contract changes in advance. Senate asked to clarify the end goal of the ad hoc committee.

MOTION: To form the Faculty Contracts ad hoc committee by Dugan, seconded by Wienecke. Motion passed unanimously.

Undergraduate Council

Brandon Dugan

Undergraduate Curriculum Item(s) for Senate Presentation

Program change in BS in Metallurgical and Materials Engineering (Appendix A.1.1)

BS had a ceramics specialization with the requirement of MTGN314/MTGN314L. The course was replaced with MTGN310/MTGN310L, which was further developed and would be shared between the MME and CerE major. Course includes aspects of powder processing for both metal and ceramic powders and their application.

Program change in BS in Applied Mathematics and Statistics (Appendix A.1.2)

Changes were made to better align courses within the degree. Additional changes with the core curriculum expected in the future. Suggestion made to reach out to submitter for additional details on why changes are being made to include CSCI200 rather than CSCI261.

Program change in BS in Chemical Engineering (Appendix A.1.3)

No discussion.

Undergraduate Curriculum Item(s) for Senate Vote presented 10/11 and 10/25

New program BS in Ceramic Engineering (Appendix A.2.1)

MOTION: To approve the new program in Metallurgical and Materials Engineering BS-CERE: Ceramic Engineering by Dugan, seconded by Voelker. Motion passed unanimously.

Core Course Changes to EDNS151 and EDNS155 (Appendix A.2.2)

MOTION: To approve the core course name changes in Engineering, Design, and Society to EDNS151 and EDNS155 by Dugan, seconded by Saleh. Motion passed unanimously.

Program change in BS in Design Engineering (Appendix A.2.2.1)

Comment had been raised at 10/25 meeting on ABET accreditation of the BS in Engineering. Name change would be passed prior to accreditation in 2023-2024.

MOTION: To approve the program change in Engineering, Design, and Society to BS-EGN: BS in Design Engineering by Dugan, seconded by Horan. Motion passed unanimously.

New core course HASS111: Nature and Human Values Short Form

Brief discussion on requiring an AP score of five on the English Literature and Composition exam rather than a four or five; individual approval on case-by-case basis. HASS to assess how many students are entering the course and if students are prepared for the nature of the short form.

Discussion on new credits for core. Currently, students receive two credits for AP and two credits for the short form.

- **Question** on offering two credits for a course that meets for an hour; course was defined around a lecture series. Course meets one hour a week with one hour being held as lecture, asynchronous online. Myskiw reported there is at least an hour of lecture, discussion on the topic of the lecture, and one hour in-person.

Suggestion to change prerequisite to include updated AP exam name.

MOTION: To approve the new core course HASS111: Nature and Human Values Short Form by Dugan, seconded by Horan. Motion passed unanimously.

Program change to the Minor in Quantum Engineering (Appendix A.2.3)

MOTION: To approve the program change to MIN-QUE: Minor in Quantum Engineering by Dugan, seconded by Voelker. Motion passed unanimously.

Academic Affairs Announcements

Andy Herring

Herring provided updates on HLC accreditation coming from Chicago, Illinois. Process behind due to COVID concerns, evaluator names still unknown. Federal documentation to begin with argument in 2/13. HLC to visit Golden, Colorado on 3/12. Open faculty, staff, and student forums from 3/13 to 3/14. Expectation to complete 80-90% of report between 3/14. Mines will be given time to rebut anything on the report with a final letter expected in August 2023.

HLC accreditation allows for federal funding and grants. The state legislates HLC guidance into law.

Herring noted the 4+1 programs are not in compliance with HLC Assumed Practices; undergraduate credit cannot count toward a graduate degree.

A website with information on who is involved and scheduled events will be launched. The arguments document and links to further information would be provided through that webpage.

Briefings, Informational Items, and Updates

Faculty and Staff Trivia Night and Auction

Mary Elliott

Elliott serves on the Faculty and Staff committee for Mines Foundation. Faculty and Senators asked to participate in the upcoming Trivia Night; Elliott noted faculty had no idea about the event. Event scheduled for the night of graduation in December purely for faculty and staff. Money from the event is distributed into the emergency fund for students. Drinks are available at the event with beer and wine donated from the Golden and Denver area.

For additional information, contact Mary Elliot (mfelliott@mines.edu).

Graduate Council

Tina Voelker

Proposed Catalog Change – Committee Form Alignment presented 10/25

Change proposed to Catalog language to align the MS and PhD forms.

MOTION: To approve the proposed Catalog changes by Voelker, seconded by Dugan. Motion passed unanimously.

Graduate Curriculum Item(s) for Senate Vote presented 10/25

Program deactivation of the Graduate Certificate in Entrepreneurship (Appendix B.3.1)

MOTION: To approve deactivation in Economics and Business of CR-ENTR: Graduate Certificate in Entrepreneurship by Voelker, seconded by Dugan. Motion passed unanimously.

Program changes to the Graduate Certificate in Business Analytics and Graduate Certificate in Product Management (Appendix B.3.1.1)

MOTION: To approve program changes in Economics and Business to CR-BUSANLY: Graduate Certificate in Business Analytics and CR-PRODMGMT: Graduate Certificate in Product Management in an omnibus Senate vote by Voelker, seconded by Dugan. Motion passed unanimously.

Research Council

Sid Saleh

Research Council Proposed Bylaw Changes

Suggestion made to incorporate the Research Council Bylaw changes into the Bylaw and Rules committee discussion. Saleh reviewed individual changes made to the Bylaws. Non-voting membership would now include a representative from ORA and the previous Council chair as an ex officio member. Additional representation from interdisciplinary programs offering thesis-based graduate degrees, included. Changes outlined process for providing a proxy during absence.

Adjourn

Jeff King

Meeting adjourned: 4:01 pm.

Next meeting: November 22, 2:00-4:00 pm in the Guggenheim Boardroom and Zoom. Please send all agenda items to Mara Green (mgreen1@mines.edu) 1 week prior.

Appendix A
For Senate Presentation

1.1 **METALLURGICAL AND MATERIALS ENGINEERING**
[CIM 9/19; UGC 10/26]
1 program change: BS-MME: BS in Metallurgical and Materials Engineering
Replace the MME BS degree course requirements: MTGN314/MTGN314L Properties & Processing of Ceramics with MTGN310/MTGN310L Power Processing & Forming. There is no change in the number of credit hours. Both the MME BS and CerEng BS will share MTGN310/310L as a required course.

1.2 **APPLIED MATHEMATICS & STATISTICS**
[CIM 9/20; UGC 10/26]
1 program change: BS-AMS: BS in Applied Mathematics and Statistics
Require CSCI101, CS200, and an additional CS elective. Remove CSCI403 (databases) as a required course for the statistics degree. Instead require MATH436 (advanced stats) and will move CSCI403 to the stat elective list.

1.3 **CHEMICAL AND BIOLOGICAL ENGINEERING**
[CIM 9/13; UGC 10/26]
1 program change: BS-CHE: BS in Chemical Engineering
Updates made to the electives list.

For Senate Vote presented on 10/11/22 and 10/25/22

2.1 **METALLURGICAL AND MATERIALS ENGINEERING**
[CIM 9/20; Provost 9/20; UGC 10/26]
1 new program: BS-CERE: Ceramic Engineering

2.2 **ENGINEERING, DESIGN, AND SOCIETY**
[CIM 8/24; UGC 10/12]
2 core course changes: EDNS151: CORNERSTONE DESIGN
 EDNS155: CORNERSTONE DESIGN I: GRAPHICS*
*Was EDNS151: Design I.
Was EDNS155: Design I: Graphics. *NOTE: EDNS155 can replace EDNS151 with permission only.*

2.2.1 [CIM 8/24; UGC 10/12]
1 program change: BS-EGN: BS in Design Engineering
Our undergrad committee reviewed our focus area listings and requirements. We propose the updated changes to streamline curriculum for our students that aligns with consistent course delivery. The proposed focus area course changes also provide a more curated group of courses meeting the needs of our students within their chosen focus area themed pathway. We continue to offer breadth in focus area course offerings with a strong focus on our design core and pedagogy critical to our success as a department and in line with the goals of team-work, innovation and growth through Mines@150. Our Dept. Head, Dean Nieusma, has been in conversations with the Provost regarding a program name change from BS in Engineering to BS in Design Engineering.

We have been given the green light from upper administration to pursue this name change.

2.3 **HUMANITIES, ARTS, AND SOCIAL SCIENCES**
[CIM 9/20; Provost 9/20; UGC 10/26]
1 new core course: HASS111: NATURE AND HUMAN VALUES SHORT FORM

2.4 **CSM GENERAL**
[CIM 9/7; UGC 10/12]
1 program change: MIN-QUE: Minor in Quantum Engineering
Catalog had displayed incorrect course names in description, a deadlink, and duplicate courses. Request made through ITS Help Center, redirected to UGC.

Appendix B

For Senate Vote presented on 10/25/22

3.1 **ECONOMICS AND BUSINESS**
[CIM 10/6; GC 10/19]
1 program deactivation: CR-ENTR: Graduate Certificate in Entrepreneurship

3.1.1 **2 program changes:** CR-BUSANLY: Graduate Certificate in Business Analytics
Modifying the certificate to requiring one core class and choose two from three elective classes. This will increase the ability of students to complete the certificate.
 CR-PRODMGMT: Graduate Certificate in Product
 Management
Modifying the certificate to requiring one core class and choosing two from three elective classes. This will increase the ability of students to complete the certificate. We are also replacing EBG576 with EBG565 as EBG576 is no longer being offered.