

Colorado School of Mines – GRADUATE COUNCIL MEETING MINUTES
 May 4, 4:00 – 5:00 pm, via Zoom

Attendees:

Voting Members: 22 total (12 - majority needed for quorum). Quorum was present

P	Bettina Voelker (Chair)	P	Christine Baker (LB)	P	Andy Osborne (NSE)	P	Owen Hildreth (ME)
A	Eric Anderson (HSE)	A	Karin Leiderman (AMS)	A	Jamal Rostami (MN)	P	Michael Heeley (EB)
P	Ebru Bozdag (GP)	A	Juan Lucena (EDS)	A	Jim Ranville (GC)	A	Luis Zerpa (PE)
P	Geoff Brennecka (ML)	P	Zhexuan Gong (PH)	P	Danica Roth (GE)	P	Qi Han (CS)
A	Elizabeth Davis (HASS)	P	Dave Marr (CBE)	P	Maxwell Silver (GSG)	P	Lori Tunstall (UCTE / CEE)
P	Christine Morrison (CH)	A	Salman Mohagheghi (EE)				

Other Regular Attendees and Guests

P	Tim Barbari (OGS)	P	Carolyn Freedman (OGS)	A	Deb Jordan (Trefny)	P	Mara Green (AA)
A	Jennie Kenney (AA)	A	Denise Winn-Bower (PE)	P	Paul Myskiw (RO)	A	Kendra Stansbury (RO)

Special Guest(s): Wendy Adams (PH)

Welcome

Tina Voelker

Briefings and Information Items

Office of Graduate Studies

Tim Barbari

Program GPA requirement

Barbari requested feedback from Council members and respective departments.

- **Question** on how the program GPA requirement would be integrated into the degree audit; Barbari stated the goal of integrating the requirement into Degree Works. The long-term goal would include removal of the degree audit form and substitution with the Degree Works program. The initial pilot of the program GPA requirement would be done with multiple types of programs starting Fall 2022. The language change would be added to the 2023-2024 Catalog.
- **Question** on the different market of certificates and consideration for a different criterion; Barbari noted the institutional GPA requirement is for all graduate degrees including certificates.

The institutional policy is in effect immediately. Program GPA requirement of 3.0 to provide clear guidance for students and the graduate office in the future

Graduate Stipends

Barbari received number of stipend narratives. CBE provided example of competitive range gained by communication with colleagues and top forty schools. Undergraduates had provided CBE with stipend letters and/or information on stipends. Councilors asked to research stipends from other institutions through colleagues; suggestion made to ask incoming graduate students on competing offers due to stipend information lacking on public sites.

Barbari reported low \$30k is common with sizable city institutions with over \$30k.

Registrar's Office

Paul Myskiw

Enrollment

Myskiw reported on continued growth at Mines through enrollment; reported lag in master's non-thesis enrollment. Mines compensating with admission of 1,450 freshman in Fall 2022; hope to shrink number over summer.

Common Exams

Undergraduate Council received common exam proposal limiting common exams to courses with enrollment of 150 or more. Myskiw noted common exams in graduate courses effected by space issues and COVID-19 pandemic.

- **Question** on use of enrollment criteria when common exams were done for duplicate sections; Myskiw informed Councilors that common exam criteria had many iterations at Mines, enrollment used to compensate for space issues. Classroom space used later in the evening and conflicting with common exams.
- **Question** on what information would be helpful from departments; Myskiw asked Councilors to consider the need or desire for common exams at the graduate-level.

Graduate Student Government

Maxwell Silver

No updates from Graduate Student Government.

Continuing Curriculum Item(s) – from 4/20/22

1.1

UNIVERSITY HONORS PROGRAMS

Wendy Adams

[CIM 4/8; Provost 4/12]

1 new program: MSNT-TEACH: MS in STEM Education

This program will be “top-of-mind/first-choice” for future and practicing teachers of science, mathematics, and computer science because it will be one of the only (possibly the only) teacher preparation programs in the country that is exclusively designed for science, mathematics, and computer science teacher preparation. As such, it is one of the most rigorous programs in the nation with five courses specifically focused on pedagogical content knowledge (ie. how to teach science/mathematics/computer science) using best practices learned from that discipline’s field of education research. Additionally, it will be focused on deliberate professional development and all courses are hands-on with 800 hours of practice in a K-12 classroom.

This program will be Online with over 50% of the courses delivered online with a substantial secondary classroom component.

MOTION: To approve the new program MSNT-TEACH: MS in STEM Education by Brennecka, seconded by Morrison. Motion passed unanimously.

1.1.1

[CIM 4/8; Provost 4/9]

13 new courses:

MAED505: MATHEMATICAL PRACTICES AND THE SOCIAL CONTEXT OF MATHEMATICS

MAED525: PRE-ALGEBRA AND ALGEBRA TEACHING TECHNIQUES

MAED535: COMPUTER SCIENCE TEACHING TECHNIQUES

MAED562: K-12 FIELD EXPERIENCE AND BUILDING STUDENT
RELATIONSHIPS
MAED564: CAPSTONE CURRICULUM DESIGN I
MAED565: CAPSTONE CURRICULUM DESIGN II
SCED515: SCIENTIFIC PRACTICES VS ENGINEERING DESIGN AND
THE NATURE OF SCIENTIFIC KNOWLEDGE
SCED533: EDUCATIONAL PSYCHOLOGY AND ASSESSMENT
SCED545: PHYSICS AND CHEMISTRY TEACHING TECHNIQUES
SCED562: K-12 FIELD EXPERIENCE AND BUILDING STUDENT
RELATIONSHIPS
SCED563: DYNAMIC TEACHING: MOTIVATION, CLASSROOM
MANAGEMENT, AND DIFFERENTIATION INSTRUCTION
SCED564: CAPSTONE CURRICULUM DESIGN I
SCED565: CAPSTONE CURRICULUM DESIGN II

*For course information, please reference the agenda items or search
(<https://nextcatalog.mines.edu/courseadmin/>) in CIM. Request access to CIM through
Mara Green (mgreen1@mines.edu).*

MOTION: To approve the thirteen new courses in University Honors Programs in an omnibus Council vote by Brennecka, seconded by Hildreth. Motion passed unanimously.

- 1.2 **GEOLOGY & GEOLOGICAL ENGINEERING** Danica Roth
[CIM 4/18, Provost 4/18]
1 new course: GEGN568: POINT CLOUD DATA ANALYSIS IN EARTH SCIENCE
AND ENGINEERING
*This proposal seeks to assign a course number to a course that has been previously
taught as a Special Topic 598 course. The course is fully developed and has been taught
twice (2020, 2021) and was well received. We now seek to formalize this course and
schedule it every other year beginning in 2023.*

MOTION: To approve the new course in Geology and Geological Engineering GEGN568: Point Cloud Data Analysis in Earth Science and Engineering by Brennecka, seconded by Hildreth. Motion passed unanimously.

New Business

Council Membership Recommendation

Recommendation made to change the Faculty Senate Bylaws for Graduate Council membership. Council made request to minimize ambiguity and insist lack of communication of intended membership to the Graduate Council chair means opting out.

“Graduate Council recommends to Senate a Bylaw change by which any interdisciplinary graduate program offering both M.S. and Ph.D. degrees can elect a voting representative to Graduate Council. Graduate Council membership is determined by those who participate in and/or communicate to the Graduate Council chair by the first meeting of the academic year.”

Recommendation would be brought to Faculty Senate.

MOTION: To approve the proposed Graduate Council membership Bylaw change recommendation by Brennecka, seconded by Morrison. Motion passed unanimously.

Adjourn

Tina Voelker

Meeting adjourned: 4:50 pm.

Next meeting: Graduate Council returns in August for Fall 2022!

Consent Agenda The following proposals will not be discussed unless specifically requested by Council. Please review the following items. With no objections, approval is implied and items will be processed accordingly.

3.1 **Approval of Minutes – April 20, 2022**

Tina Voelker