

Colorado School of Mines – GRADUATE COUNCIL MEETING MINUTES
November 3, 4:00 – 5:00 pm, via Zoom

Attendees:

Voting Members: 21 total (11 - majority needed for quorum). Quorum was present

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

Other Regular Attendees and Guests

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

Special Guest(s):

Welcome

Tina Voelker

Briefings and Information Items

Office of Graduate Studies

Tim Barbari

Roxane Aungst has rejoined the Office of Graduate Studies from the Registrar’s Office; hope to assist graduate students, staff, and faculty. All actions and services remain the same, this move has been done as an internal change to improve communications.

The Registrar’s Office has worked on converting all forms to web-enabled forms and no longer exist in spreadsheets. These will be expected to roll out over the next weeks and will coincide with the launch of the Graduate School of Mines’ website to have all forms in one location.

Registrar’s Office

Kendra Stansbury

Reminder that registration will begin 11/15. For questions or concerns, reach out to the Registrar’s Office. Stansbury is reviewing spring petitions and asked Council to encourage students to submit those as soon as possible. Student questions can be directed to residency@mines.edu. The final deadline is 12/1.

Graduate Student Government

Maxwell Silver

No updates from Graduate Student Government.

Graduate Council Operation

Graduate Council Membership

Voelker outlined the functions of Council as defined by the Academic Faculty Bylaws:

- Provide recommendation to Faculty Senate on changes to graduate education policy.
- Approve or deny changes to courses or programs, or new courses and programs and assure departments and programs are aware of potential opportunities or problems.

An issue for Council to address is Council representation of IGP programs. Council discussions affect IGPs

[CIM 10/26; Provost 10/26-27]

3 new courses: CEEN526: DURABILITY OF CONCRETE

Industry is shifting away from strength-only considerations for concrete design and is moving toward designing for both durability and sustainability as well. This course will prepare students for this inevitable shift in design. As such, it will not only expand the current offerings, but will also support two Mines@150 goals: 1) to be a leader in educating STEM students and professionals and 2) to be an accessible and attractive option for qualified students from all backgrounds.

The department has approved this course. The course will focus on a material science perspective of concrete, looking at how microstructure effects macroscopic properties of concrete and how these properties affect the long-term durability of concrete.

This course has been piloted twice with an enrollment of about twenty students, eighteen undergraduate students and two graduate students. The course is structured to be more challenging and focused on current research for graduate students with some differences in homework and project assignments.

Question on which majors are able to take the course; Tunstall stated there will not be prerequisites for the course. Civil engineers do not take many materials science courses and the course is developed to begin with basics of materials science principles. All are welcome to take the course.

Suggestion made to advertise to materials science graduate students.

Comment made on CIM email notifications. The course had been submitted as CEEN549, due to the cross-listing nature CEEN449 was not available for the undergraduate level course. The CIM email notification still lists the course as CEEN549.

MOTION: To suspend the month rule in order to approve CEEN526 in two weeks at the following Graduate Council meeting on 11/17 by Zimmerman, seconded by Hildreth. Motion passed unanimously. **APPROVED.**

CEEN547: DESIGN OF PRESTRESSED CONCRETE STRUCTURES

The addition of this graduate course will provide our students the opportunity for exposure to increasingly important design concepts that have the potential to significantly reduce the amount of concrete required for construction versus the traditional reinforced concrete design methods and in doing so reduce the impact new construction has on the environment. Such a course is required to maintain our ability to produce structural engineering graduates with knowledge of the most current design technologies.

CEEN597: PRACTICES AND PRINCIPLES OF ENVIRONMENTAL CONSULTING

The course introduces students to the business concepts, tools and terminology used in the environmental consulting industry. Depending on Mines requirements, this course may be delivered as a person-to-person (preferred), hybrid, or remote class.

A large share of Mines undergraduate and graduate students find employment, either temporarily or permanently in the environmental/engineering consulting arena. Many

This program will encourage applicants to the Mineral and Energy Economics (MEE) program by facilitating applications from Western Colorado University's Bachelors of Energy Management program. The program will allow these students to complete the non-thesis Masters in MEE in one year by setting specific course requirements at Western Colorado University.

The program will provide more opportunities and partnerships with Western Colorado through the partnership with Western Colorado University. Western Colorado recruits a different type of student than Mines generally does and thus our program will help give Mines exposure to a new market.

Finally, this program will lead to larger numbers of non-thesis Masters students attending Mines. This increased revenue source will help diversify Mines overall revenue streams.

Lange met with Barbari on policies regarding number of 400-level content and transfer limitations. Inconsistency was found in the previously approved program with Mesa and the memorandum of understanding with the institution and the Mines Catalog. A program change for the existing Mesa program will be underway along with changes to the currently submitted program change for Western Colorado. A new program may be submitted as the Catalog does not display the language.

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.

4.1 **Approval of Minutes – October 10, 2021**

Tina Voelker