

GRADUATE COUNCIL MEETING MINUTES

May 26, 4:00 – 5:00 pm, via Zoom

Attendees:

Voting Members: 24 total (12 - majority needed for quorum). Quorum was present.

P	Neal Sullivan (Chair)	P	Amy Hitchner (LB)	P	Andy Osborne (NSE)	A	Owen Hildreth (ME)
A	Dave Benson (HSE)	A	Karin Leiderman (AMS)	P	Gabe Walton (UCT)	P	Ebru Bozdog (GP)
P	Juan Lucena (EDS)	A	Jim Ranville (GC)	P	Geoff Brenneka (ML & MT)	P	Tulay Flamand (EB)
P	Danica Roth (GE)	A	Dejun Yang (CS)	P	Elizabeth Davis (HASS)	P	David Marr (CBE)
P	Maxwell Silver (GSG)	P	Luis Zerpa (PE)	P	*Reza Hedayat (CEE) proxy for Gabe Walton	P	Christine Morrison (CH)
A	Gongguo Tang (EE)	P	Jeremy Zimmerman (PH)	P	Jamal Rostami (MN)		

Other Regular Attendees and Guests

P	Carolyn Freedman (OGS)	P	Mara Green (AA)	A	Jennifer Veloff (Tref)	A	Tim Barbari (OGS)
A	Cassie Glenn (CEE)	P	Paul Myskiw (RO)	A	Denise Winn-Bower (PE)	A	Jennie Kenney (AA)
A	Jane Ko (AA)						

Additional Guests: Manika Prasad (GP), John Bradford (GP), Sam Spiegel (Trefny)

Welcome

Neal Sullivan

Briefings and Information Items

Office of Graduate Studies

Tim Barbari

Tabled.

Registrar's Office

Paul Myskiw

Question regarding amount of incoming freshman at Mines; Myskiw reports 1,525 incoming students that have deposited and confirmed attendance. There is an expectation of a summer melt with the hope that the number drops to 1,325 which is 100 above the expected class size. Transfer students are not counted within this total.

Registrar's Office has worked on shuffling, speaking with department heads and deans on creation of additional sections, and requesting space within the Green Center.

Some conversation on mandating vaccinations.

There are an estimated 10-12,000 applications where Mines accepts 5-6,000. The yield rate is then the percentage of students that deposit. Other institutions are reporting the same increase in student population from expected numbers.

Question on the increased student diversity with the removal of testing requirements of ACT and SAT; the test optional has increased the number of diverse students within the incoming class.

Graduate Student Government

Maxwell Silver

Tabled.

Curriculum Item for VOTE – from (5/5/21)

1.1 GEOPHYSICS

Manika Prasad

[CIM: 5/5]

1 new program: Online Grad Certificate – Carbon Capture, Utilization, and Storage
This Certificate program aims to provide students with much needed working knowledge about Carbon Capture, Utilization, and Storage from a geologic and a non-geologic perspective. It also provides introductory knowledge about CCUS policy and economics.

Prasad presents salient details of the program to Councilors. With the success of the program, there would be an expectation to create a graduate program.

Senior undergraduate students and junior students with instructor approval are able to take the 500-level courses offered.

There are a number of departments involved with twenty-four faculty as content developers; the program is in the first stage of requesting approval from Graduate Council and Faculty Senate prior to moving to the Board of Trustees.

The program was developed with the new climate bill to focus on carbon utilization and storage and the urgent need for formal training in CCUS. Prasad notes there is enough research in every participating department in some aspect of CCUS.

Students will learn to create a written plan for incorporating CCUS in a workplace or research setting, learn to balance a carbon budget, and communicate a wide variety of media with colleagues outside of the student's discipline. Four courses are planned, three are required with the option to choose between a non-geologic and geologic course.

The courses will be in the 8-week online course format.

Comment on the technical aspect at Mines and requiring two of the three courses to be economics and business-based; Prasad notes the importance of technical skills alongside economic and humanities topics.

Comment on the course lead not having the expertise of all of the areas being taught; Spiegel states there is an advantage of having an online course that is fully built prior to being run. The course will undergo review from faculty and content experts prior to standards review. The course would then have content from a specific department that would be built and reviewed. Additional comment on the departments hit hardest by the influx of first-year students being part of the course development. Resources are provided by the online budget to cover instructional costs and adding additional resources to departments as needed.

Note made that the late introduction of the program provided short turnaround for departmental discussion.

Comment made on the increase in new programs at Mines and the affect on faculty and budget; Bradford informs Councilors that a course requires 10-15 students to pay for itself and covering the budget of a program upfront is considered an investment.

MOTION: To approve the online graduate certificate in Carbon Capture, Utilization, and Storage as championed by Manika Prasad by Rostami, seconded by Morrison. 11 for, 1 against, 2 abstentions.
APPROVED.

Adjourn

Neal Sullivan

Meeting adjourned 5pm.

Graduate Council will meet starting August 2021. Please send all agenda items to mgreen1@mines.edu.

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

- **Approval of Minutes – May 19, 2021**

Neal Sullivan