

Colorado School of Mines – UNDERGRADUATE COUNCIL MEETING MINUTES  
November 9, 4:00 – 5:00 pm, via Zoom

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**Attendees:**

**Voting Members:** 18 total (10 needed for quorum). Quorum was present.

P	Brandon Dugan (chair)	P	Andrew Pederson (EB)	P	Mike Nicholas (AMS)	P	Chuck Stone (PH)
P	Michael Barankin (CBE)	P	Cortney Holles (HASS)	P	Corinne Packard (MME)	P	Nicole Smith (MN)
P	Dylan Domaille (CH)	P	Ge Jin (GP)	P	Rob Thompson (CS)	P	Bruce Trudgill (GE)
P	Linda Battalora (PE)	P	*Shiling Pei (CEE) proxy for Hongyan Liu (CEE)	P	Oyvind Nilsen (ME)	P	Emmelia Ashton (USG)
P	Chelsea Salinas (EDS)	P	Brianna Buljung (LB)				

**Other Regular Attendees and Guests**

P	Angela Dunn (Mines Online)	P	Dixie Cirillo (PA)	P	Mara Green (AA)	A	Kendra Stansbury (RO)
A	Karla Perez-Velez (CASA)	P	Vibhuti Dave (UGS)	A	Deb Jordan (Trefny Center)	P	Paul Myskiw (RO)
P	Katie Ludwin (CASA)	P	Danielle Boileau (CASA)	A	Cheryl Medford (GE)	A	Rachel McDonald (PE)
A	Sam Spiegel (Mines Online)	A	D. Scott Heath (RO)				

**Special Guest(s):**

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**Welcome**

11/23 meeting was cancelled.

Brandon Dugan

**Approval of Minutes – October 26, 2022**

Brandon Dugan

**MOTION:** To approve the October 26, 2022 minutes by Barankin, seconded by Jin. Motion passed unanimously.

**Briefings and Information Items**

Office of Undergraduate Studies

Vibhuti Dave

Core curriculum taskforce met on Thursday with RO, CASA, and academic faculty on the taskforce. Taskforce goal to come up with processes and mechanisms for launching the core and make the transition as smooth as possible. Dave noted a message will be provided to departments on the next phase of the process, institutional changes to be expected, and information on piloted items. Details of new courses, course refinement, and credit hour changes are being discussed.

Registrar's Office

Paul Myskiw

Registration has begun for students requiring accommodations. Priority registration begins 11/14.

*Courses retaining deactivated/old prerequisites*

Myskiw asked Council to consider a process for courses coming through CIM. Deactivated courses that are listed as prerequisites should be considered for removal on other course and program listings. Departments should communicate what needs to be replaced if a new course is replacing a deactivated prerequisite.

Dozen courses in CS, CEE, EE, and MN listed CSCI261 as a prerequisite. Myskiw suggested affected courses listed within the agenda for departments to highlight and update in CIM; suggested implied removal or replacement if a deactivation is approved.

Dugan noted the upcoming core curriculum changes may provide an opportunity to deep dive into curriculum. Suggestion made for departments to review every two to four years for prerequisites and courses no longer taught or offered. Options available to restrict courses outside of prerequisites.

**Curriculum Item(s) for Council Vote** presented 10/12/22

1.1 **CHEMISTRY** Christine Morrison  
[CIM 9/28]  
**1 program change:** BS-CHM: BS in Chemistry  
*These changes include: fixing course numbers (replacing instances of CHGN4XX with proper course numbers), adding CHGN409 to CHGN elective list, adjusting some courses in fall and senior year of B.S. in Biochem degree to reflect degree flowchart on department website.*

**MOTION:** To approve the program change in Chemistry to BS-CHM: BS in Chemistry by Barankin, seconded by Jin. Motion passed unanimously.

1.2 **ENGINEERING, DESIGN, AND SOCIETY** Chelsea Salinas  
[CIM 9/27; Provost 9/27]  
**1 new course:** EDNS444: INNOV8X

Note made that EDNS444 is not a new course but a course prefix change; content would not change with the switch from EB to EDS.

- **Question** if EDNS444 can count for H&SS 400-level requirement; Salinas reported Nieusma would take the question to the H&SS required course committee for discussion and review.
- **Question** if use of the course as H&SS 400-level will be mute with the new core implementation and business in the Pathways; Dugan noted this depends on how the new core is written in terms of H&SS electives.

**MOTION:** To approve the new course in Engineering, Design, and Society EDNS444: Innov8x by Nilsen, seconded by Barankin. Motion passed unanimously.

1.3 **GEOLOGY AND GEOLOGICAL ENGINEERING** Cheryl Medford  
[CIM 9/26]  
**1 course change:** GEGN466: GROUNDWATER ENGINEERING  
**1 course deactivation:** GEGN467: GROUNDWATER ENGINEERING  
*The only change being requested here is a course renumbering. Dr. Singha has had a long-standing issue (from before my time) with course numbers that is about to come to a head.*  
*The Higher Learning Commission suggests that 400-level courses that graduate students should be 500-level and show additional work to be considered for graduate credit.*

*GEGN 466 (Groundwater Hydrology) has been used as a catch-all for graduate students and undergraduates not majoring in GE, whereas the GE undergraduate students take GEGN 467--the same class, but with a lab. Because Dr. Singha will likely need to develop a 566 next year for graduate students to satisfy HLC requirements, it would be much easier if I just had 466 (lecture; 3 credits) and 466L (lab; 1 credit) where students could sign up for either/both, and remove GEGN 467 altogether--thus meaning Dr. Singha still only has two course numbers to manage rather than three. This change is to make GEGN 466 a 3+1 credit class, similar to CEEN 312.*

Note made that GEGN467 listed in some courses as a prerequisite.

**MOTION:** To approve the curriculum items listed in 1.3 in an omnibus Council vote by Trudgill, seconded by Nilsen. Motion passed unanimously.

1.4                 **APPLIED MATHEMATICS AND STATISTICS**   Mike Nicholas  
[CIM 10/6]  
**1 course change:**                 MATH440: PARALLEL SCIENTIFIC COMPUTING  
*Update to course description to reflect that the professor who used to teach this course has retired.*

**MOTION:** To approve the course change in Applied Mathematics and Statistics to MATH440: Parallel Scientific Computing by Jin, seconded by Barankin. Motion passed unanimously.

#### **New Curriculum Item(s)**

2.1                 **APPLIED MATHEMATICS AND STATISTICS**   Mike Nicholas  
[CIM 10/28; Provost 10/28]  
**1 new course:**                         MATH324: STATISTICAL MODELING  
**1 course deactivation:**         MATH424: INTRODUCTION TO APPLIED STATISTICS  
*We just want to change the name and number of an existing course, and a new course proposal is the only way to do that. We'd like to change the name of MATH424 (Introduction to Applied Statistics) to "Statistical Modeling" to better fit in sequence with the follow up course "Advanced Statistical Modeling" (MATH436). The current name is vague and is quite similar to some of our other (vague) stats course names.*

*We'd also like to re-number this course as MATH324. A 300-level is more appropriate for where this course lies within the AMS BS programs.*

Course goes over statistical modeling and is a course on regression. MATH324 would lead into the advanced statistical modeling that leads into the Capstone for Stats majors.

CS students take the course for their data science track.

2.2                 **METALLURGICAL AND MATERIALS ENGINEERING**   Corinne Packard  
[CIM 9/23]  
**1 course change:**                         MTGN202: ENGINEERED MATERIALS  
*We are proposing to remove the Chemistry 2 pre-requisite requirement from this course*

