FACULTY SENATE MEETING AGENDA January 26, 2021, 2:00 – 4:00 pm, via Zoom

<u>Time</u>	Item	Presenter
2:00-2:05 pm	Welcome	Andy Herring
2:05-2:15 pm	Provost / Academic Affairs	Rick Holz
2:15-2:25 pm	Registrar's Office	Paul Myskiw
2:25-2:30 pm	Approval of Minutes – January 12, 2021	Andy Herring
2:30-3:00 pm	Exemplar for Alumni Affinity, Visibility, and Involvement	President Johnson
ProposResearHandboxReview	Committee and Council Updates al of new Faculty Senate Committee: Online Standards Committee ch Council book Committee and Approval of RFP Proposals Briefings, Information Items and Updates	Alina Handorean Sam Spiegel Yvette Kuiper Linda Figueroa Robin Bullock Andy Herring
•	Undergraduate Council Updates rgraduate Council new courses and course changes have been added to the o	Jeff King end of this gaenda as

*Approved Undergraduate Council new courses and course changes have been added to the end of this agenda as informational FYI-only items.

Programs for Senate Approval:

1.1 MECHANICAL ENGINEERING

[status: CIM 10/29; Provost: 10/29; UGC: 1/13] 2 new programs: Minor in Aerospace Engineering (needs CIM code assignment)

This minor was proposed by industry constituents and requested by students in Mechanical Engineering. This minor compliments but does not compete with the other aerospace related activities, including the graduate program in Space Resources, the new CS+Space track, and the newly proposed minor in Space Mining. The undergraduate programs will share one core course, but students then have the opportunity to further their education with the minor/track (or master's) based on career paths. **Championed by Oyvind Nilsen.**

[status: CIM 11/4; Provost: 11/4; UGC: 1/13] Minor in Space Mining (needs CIM code assignment)

The proposed Minor program will prepare students for the developing field of space resources, which focuses on exploration, mining, and utilization of materials required for affordable and flexible transportation, facilities construction, manufacturing, energy production, and life support in extraterrestrial environments, including the Moon and Mars. The proposed Minor

program is expected to draw students from non-traditional mining disciplines and increase the enrollment in the department. In addition, this Minor will provide a potential pipeline of students who may be interested in pursuing a Post-Baccalaureate Certificate, or MS and PhD degrees in the Space Resources graduate program. **Championed by Jurgen Brune.**

1.2 HONORS

[status: CIM 11/4; Provost: 11/4; UGC: 1/13] 1 new program: Minor in Teaching (needs CIM code assignment)

Teach@Mines has been offering courses to Mines students for six years. During the first few years Mines partnered with the University of Northern Colorado to deliver the coursework and for the past two and a half years, Mines has directly delivered the coursework. This program has demonstrated student interest, with approximately 40 students per semester taking courses. By packaging this coursework as a minor, it will provide clear communication to the campus about this opportunity to become a well-prepared educator and it will provide transcript recognition of the student's preparation to teach.

This minor will be a residential program with some online coursework and a substantial K-12 classroom component. The K-12 classroom component requires interaction between the Mines students and the K-12 classroom students therefore that portion must be face-to-face. However, the coursework can be delivered either face-to-face or online. **Championed by Wendy Adams.**

3:40-3:55 pm Graduate Council Updates

Neal Sullivan

Programs for Senate Approval:

2.1 CHEMISTRY

[status: CIM 12/2; Provost: 12/3; GC: 1/20] 1 new program: Certificate and Professional Master's in Analytical Geochemistry (needs CIM code assignment)

The addition to the existing Geochemistry Program of a Professional Master's and Certificate in Analytical Geochemistry supports the Subsurface Frontiers initiatives by training professionals with the skills needed in groundwater resources, mineral exploration and recovery, environmental protection, and basic earth science research. Global challenges address climate change, more efficient energy production, and discovery and utilization of critical materials all can be more fully addressed by a workforce trained in the state-of-the-art methods of analysis. **Championed by James Ranville.**

Notes from Graduate Council: credit hours did not properly align, Council requested additional information from Professor Ranville regarding the language in the Professional Master's portion of the program.

3:55-4:00 pm Adjourn

Andy Herring

New Undergraduate Courses, approved by UGC

MEGN417: Vehicle Dynamics & Powertrain Systems (1/13/21)