

FACULTY SENATE MEETING MINUTES
 April 26, 2:00 – 4:00 pm, Brown 206 and Zoom

Attendees:

Voting Members: 15 total (8 needed for quorum). Quorum was present

P	Sebnem Duzgun (Chair)	P	Ventzi Karaivanov (ME)	P	Linda Figueroa (CEE/MN)	P	Joseph Horan (HASS)
P	Jeff King (MME)	P	Yvette Kuiper (GE)	P	John McCray (CEE)	P	Cynthia Norrgran (CBE)
P	Bettina Voelker (CH)	P	Lawrence Wiencke (PH)	P	Pat Kohl (PH)	P	Brandon Dugan (GP)
P	Sid Saleh (EB)	P	Deb Carney (AMS)	A	Soutir Bandyopadhyay (AMS)		

Other Regular Attendees and Guests

P	Tracy Gardner (Trustee)	P	Rick Holz (AA)	P	Paul Myskiw (RO)	P	Colin Terry (Student Life)
A	Sam Spiegel (Trefny)	A	Ethan Lewellin (USG)	P	Maxwell Silver (GSG)	P	Mara Green (AA)
P	Vibhuti Dave (UGS)	A	Tim Barbari (OGS)	P	Lori Kester (EM)	P	Carol E Smith (Library)
P	Karla Perez-Velez (CASA)	P	Deb Jordan (Trefny)	A	Tim Sorensen (PE)		

Special Guest(s): Megan Sanders (Senior Assessment Associate, Trefny), Wendy Adams (PH)

Welcome

Sebnem Duzgun

Academic Affairs

Rick Holz

Holz reported COVID-19 cases on campus; the total number of active cases was twenty-two as of 4/26 with eleven students isolated in dormitories. Mines E-Days were successful.

1,400 students have deposited, running forty student deposits ahead of 2021. Holz reported non-thesis masters, fluctuation between 100-150 students in these programs. Holz reported online programs are behind. Holz noted class size for Fall 2022 will be like Fall 2021, Mines sought to accept 500 fewer students. Over 2021-2022, the yield of students deposited versus accepted is up five percent. Strong class of incoming freshman expected.

Registrar's Office

Paul Myskiw

Add Date Recommendation

Add date recommendation presented to Undergraduate and Graduate Council and endorsed by both Councils. Recommendation to allow one full week into Fall and Spring semesters for students to add courses; recommendation applicable to 16-week courses only. The drop date would remain the same. Myskiw noted recommendation made due to disruption caused by students adding courses sixteen days into the semester, especially noted in group and project-based courses.

“Effective for the Fall 2022 Semester, all full term (16-week) fall and spring semester courses will be coded to allow students to add a course to their schedule through the Monday following the first week of classes. The Drop date, with 100% refund, will remain on Census Day, as marked on the Academic Calendar. Census Day refers to the last day to drop course(s) without record on the student’s transcript or institutional bill/account. Waitlists will remain intact through the last day to add a course(s). Summer and 8-week courses will remain unchanged. Students should refer to the Mines Academic Calendar or contact CASA or the Registrars to confirm add deadlines and deadline deadlines.

Classes Begin: August 22
Classes Begin: January 10

Last Day to Add: August 29
Last Day to Add: January 16

Last Day to Drop: September 7
Last Day to Drop: January 25"

Following Senate endorsement, recommendation to be brought to Holz for endorsement.

- **Question** on the difference between Fall and Spring semesters' days; the recommendation would remain consistent for Fall and Spring semester with the final add date being the Monday following the first week of classes. The time would provide students four to five days (depending on the semester) and a weekend to add courses.

Concern raised regarding Spring semesters' Mondays off, and following Monday being Martin Luther King Day where students may not have met with a Monday-only course. Myskiw recommended courses taught in the Spring not be Monday-only due to students missing Mondays most often. Myskiw to pull list of Monday-only Spring semester courses and provide recommendations to those faculty.

Recommendation made against removal of Monday-only courses, note made on PA courses taught on Mondays. Myskiw stated PA courses would be an exception to this rule, students do not drop PA courses as often.

MOTION: To endorse the recommended change in the add date by King, seconded by Dugan. Motion passed unanimously.

Common Exams – Room Conflicts

Comment raised on room conflicts in common exams and what process is being used for finals week and other exams. Academic classrooms and event services-controlled rooms were being overbooked, most were caught prior to significant issues for schedulers and faculty.

Moving forward, faculty during common exams may contact someone on call in the Registrar's Office if a conflict or issue arises. The contact information would be shared for common exams and finals.

Procedures Committee Update

John McCray

Procedures Committee subcommittees included Ombudsperson Policy, Faculty Grievance Procedures; and Faculty Handbook Evaluation, Recommendation, and Implementation. The ombudsperson policy subcommittee completed its work Fall 2021 and provided recommendation to Academic Affairs for implementation; Mines to engage with external expert to implement the office. The faculty grievance procedures subcommittee presented work to Faculty Senate in February 2022; committee to recommend changes to current policy in section eleven of the Faculty Handbook, final report to be presented to Faculty Senate.

The Faculty Handbook evaluation, recommendation, and implementation subcommittee is comprised of three subcommittees tasked with Faculty Handbook research, evaluation, and identification of best practices to recommend changes; review of non-Handbook procedures across campus; and removal of issues associated with legal requirements from the Faculty Handbook to transfer these in a more adaptable webpage administered by HR. Work expected to continue over Summer 2022 and Fall 2022.

Committee Updates

Core Curriculum Committee

Vibhuti Dave

The committee identified competencies and key attributes:

- Versatility/exploration for students,
- Interdisciplinary and integrative pedagogy,
- Computing and data analysis foundation for all students,
- Retain strong foundation in math and science,
- Technical skills in the context of societal issues,
- Professional development,
- Business skills,
- Inclusive community, and
- Emphasis on wellness.

The current complex structure includes the core curriculum, H&SS, Distributed Science, and Engineering. The revised structure would include Math, Science, and Computing; Exploration and Innovation, H&SS, Success and Wellness, and Free Electives. The revised core includes a revision of the math core, addition of content covering programming and data science, Explorations 101, a revamped CSM101, focus on student wellness and suicide prevention, and thematic interdisciplinary H&SS content.

The committee presented priorities and next steps including development options for core implementation with number of credit hours and competencies addressed by each category and identification of new courses to be developed and revamped. Committee to develop at least one option that results in reduction in credit hours; options would then be socialized with the campus community with implementation expected Spring and Summer 2023 and stepwise launch Fall 2023 and Fall 2024.

- **Question** on how the core is to be enforced due to graduating seniors and juniors delayed due to incomplete core; Horan noted enforcement was not discussed by the committee. Myskiw reported, during final audits, that at least 100 students do not have the core requirement completed.

Terry reported students moving off-track from the advising flowchart when courses are not passed and courses are retaken. Students leaving Mines are surveyed report leaving due to slow progression toward graduation; students found taking first and second-year courses in their second and third years and not able to catchup. The number one reason students reported leaving Mines is due to wellness. Comment made on keeping PA courses in core curriculum due to the benefit to student wellness. Comment made on reduction in half-credit courses due to difficulty on accounting and Registrar's Office end.

Comment made on generational effect of COVID-19 and importance of continued student wellness; Terry noted high school guidance counselors reporting decreased interpersonal and academic skills compared to previous generations, students were unable to hone skills during pandemic. Disability numbers have increased in the incoming class at Mines with an anticipated 700 students having registered with disabilities.

Horan presented Senate with the updated 2022-2023 Core Curriculum Committee charge.

Taskforce on Instruction Effectiveness

Megan Sanders
Justin Shaffer

The Taskforce presented recommendations to Senate 4/12. A charge for the Instruction Effectiveness Implementation Committee was drafted and sent to Senate for electronic vote on 4/26. The charge was approved 10 for, 1 against.

Recommendations 2-4 were requested for vote.

2. Automatically embed the optional midcourse student feedback survey in Canvas courses.
3. Finalize and standardize the end of course evaluation questions.
4. Implement a schedule of communications to encourage faculty to use the optional midcourse student feedback survey and with strategies to increase participation on the end of course survey.

MOTION: To approve recommendations 2-4 from the Taskforce on Instruction Effectiveness by Horan, seconded by Dugan. 11 for, 1 against.

Calendar Committee

Pat Kohl

Committee met and discussed an improved online version of the Academic Calendar including links, descriptions of dates, and an updated PDF version of the Academic Calendar for download.

May Graduation List Vote

Sebnem Duzgun

MOTION: To approve the May 2022 graduation list by Voelker, seconded by Wiencke. Motion passed unanimously.

Undergraduate Council

Jeff King

Program for Vote – Presented to Faculty Senate on 3/8/22 and 4/12/22

- 1.1 **CIVIL & ENVIRONMENTAL ENGINEERING**
[CIM 2/16; Provost 2/16; UGC 4/13]
1 new program: BS-CONSTR: Bachelor of Science in Construction Engineering

MOTION: To approve new program in Civil and Environmental Engineering BS-CONSTR: Bachelor of Science in Construction Engineering by King, seconded by Kuiper. Motion passed unanimously.

- 1.2 **COMPUTER SCIENCE**
[CIM 1/26; UGC 3/9]
5 program changes: BS-CS: BS in Computer Science
 MIN-COMPE: Minor in Computer Engineering
 MIN-DSCI: Minor in Data Science
 MIN-RIS: Minor in Robotics and Intelligent Systems
 MINASI-CS: Minor/ASI in Computer Science
Updating courses to align with creation of new course sequence of CSCI 200 -> CSCI 220 in place of CSCI 261 -> CSCI 262.

- 1.3 **ENGINEERING, DESIGN, AND SOCIETY**
[CIM 1/24; UGC 3/9]
3 program changes: BS-EGN: BS in Engineering

The Bachelor of Science in Engineering Program supports students with a disciplinary background in Design Engineering through multi-disciplinary educational opportunities. Students within the program are required to take design courses every semester through the EDS department. Engineering Fundamentals courses together with more specific Engineering Elective courses deepen technical knowledge for the students. Focus Area electives provide an opportunity for the students to advance their knowledge in fields/areas of which they are most passionate. The focus on design engineering and the multi-disciplinary technical background of the students supports the Mines@150 mission through hands-on, active learning, engineering design, and multi-disciplinary teamwork.

MIN-ECD: Minor in Engineering for Community Development

MIN-LSR: Minor in Leadership in Social Responsibility

To facilitate pathway to graduation, use existing faculty courses more effectively, and maintain the two distinctive flavors of our minors, we proposed an updated structure to the two minors (see CIM page/agenda item).

1.4 HUMANITIES, ARTS, AND SOCIAL SCIENCE

[CIM 1/24; UGC 3/9]

1 program change: MIN-CCC: Minor in Culture, Creativity, and Communication
Course numbers have changed—they have been updated in the course lists for HASS303 (changed from HASS201 Spring2022), HASS 302 (changed from HASS300 Spring 2022).

MOTION: To approve the curriculum items presented in items 1.2 through 1.4 in an omnibus Senate vote by King, seconded by Horan. Motion passed unanimously.

Graduate Council

Tina Voelker

Approved new courses and course changes listed at the end of this agenda.

Programs for Presentation –

2.1 UNIVERSITY HONORS AND SCHOLARS PROGRAM

[CIM 4/8]

1 new program: MSNT-TEACH: Teach@Mines

Proposing non-thesis master's program in STEM education with three specialty areas: science teaching, mathematics teaching, and computer science teaching; expectation to offer as 4+1 with teaching licensure. Program working with state for licensure, not completed at the time. Program proposed alongside courses that have already been taught. Program mixed residential and online; online courses in development over Summer 2022 to deliver 2023. Residential to take place in-person in K-12 classrooms.

2.2 PHYSICS

[CIM 4/1; GC 4/20]

1 program change: CRTG-OPTICS: Optics for Engineering
Request made to consolidate tracks into one path. Had been approved by GC and FS with two (2) tracks, was approved by BoT with one (1) track.

Program was approved by Graduate Council and Faculty Senate in February 2022; program changes completed prior to Board of Trustees approval. Request made to re-approve program changes. Program was noted to have courses available for two tracks that would satisfy one individual track; tracks were then consolidated into one program.

MOTION: To approve the program change in Physics to CRTG-OPTICS: Optics for Engineering by Voelker, seconded by King. Motion passed unanimously.

2.2 **MINING ENGINEERING**

[CIM 4/8; GC 4/20 (Consent Agenda)]

2 program changes: MSPHD-ERDE: MS & PhD Program in Earth Resources
Development Engineering

MSPHD-MNEG: MS & PhD Program in Mining Engineering

Request to add MNGN625 as a required course for MS/PhD in Mining Engineering and Earth Resource Development Engineering (ERDE).

2.3 **OPERATIONS RESEARCH WITH ENGINEERING**

[CIM 3/1; GC 4/20]

1 program change: MSPHD-ORWE: Operations Research with Engineering

Routine changes based on Catalog updates from MATH and EBGN (from core courses: removal of MATH531, addition of MATH424).

Programs for Vote – Presented to Faculty Senate on 4/12/22

2.4 **ECONOMICS AND BUSINESS**

[CIM 2/17; GC 4/6]

1 program change: MSPHD-ECO: MS & PhD – Mineral & Energy Economics

Adding language to the program to 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.

2.5 **MECHANICAL ENGINEERING**

[CIM 2/16; GC 4/6]

1 program change: MSPHD-MECH: MS & PhD – Mechanical Engineering

Adding Online Modality to support an Online Mechanical Engineering Masters Non-Thesis degree. Actual start date would be Spring 2023, but not available as an option for the drop-down menu.

MOTION: To approve the curriculum items presented in items 2.4 and 2.5 in an omnibus Senate vote Voelker, seconded by Horan. Motion passed unanimously.

Executive Session

Sebnem Duzgun

Faculty Senate minutes of April 12, 2022 were approved through an online ballot sent 4/26 and approved unanimously.

Mines Online Resolution

Sebnem Duzgun

The final Mines Online Resolution was drafted and finalized for Faculty Senate. The resolution was voted to be sent to the Provost, Mines Online, and the Office of Global Initiatives and Business Development.

MOTION: To approve the Mines Online Resolution for distribution by King, seconded by Kuiper. 8 for, 1 abstention. Motion passed.

COVID-19 Impacts Committee

Jeff King

The finalized, early recommendations from the COVID-19 Impacts Committee were presented to Faculty Senate and voted on through an online ballot distributed on 5/3 to approve the document's dissemination to the Provost and the Mines University and Tenure Committee. Document approved unanimously.

Adjourn

Sebnem Duzgun

Meeting adjourned: 4:11 pm.

Next meeting: May 10, 2:00-4:00 pm in McNeil 213 and Zoom.

Graduate Council Approved Course Changes

MNGN504: Underground Construction Engineering in Hard Rock – *Update to prerequisites and co-requisites (removal of CEEN513) add "MNGN321 or CEEN312", addition of GEGN462 for co-requisites. Added online modality.*

Graduate Council Approved New Courses

MNGN582: Fundamentals in Tailings Engineering II