

FACULTY SENATE MEETING AGENDA
November 23, 2:00 – 4:00 pm, via Zoom

<u>Time</u>	<u>Item</u>	<u>Presenter</u>
2:00-2:05 pm	Welcome	Sebnem Duzgun
2:05-2:15 pm	Academic Affairs	Rick Holz
2:15-2:25 pm	Registrar's Office	Paul Myskiw
2:25-2:30 pm	Approval of Minutes – November 9, 2021	Sebnem Duzgun
2:30-2:35 pm	Undergraduate Council	Jeff King

Approved Undergraduate Courses have been listed on the last page of this agenda.

1.1 **HUMANITIES, ARTS, AND SOCIAL SCIENCES**

[CIM 10/5; UGC 10/27]

1 program change: MIN-ESS: Minor in Environment and Sustainability Studies
The revised text contains an updated description of the minor (not substantively different from the original). The number and distribution of credits has not changed, but we have removed the required "Capstone" course. We have also made the following changes:

introduced the following potential credit option to align the program with signature student experience opportunities: "Student involvement in campus sustainability initiatives, student environmental groups, and other activities that complement the ESS minor's coursework, may count as credit toward the minor (in consultation with the ESS director)."

Suggest (but do not require) students take Global Studies: Environment.

1.2 **CHEMICAL & BIOLOGICAL ENGINEERING**

[CIM 9/28; UGC 11/10]

1 program change: BS-CHE: BS in Chemical Engineering
Additional electives added to help students complete graduation requirements.

1.3 **METALLURGICAL & MATERIALS ENGINEERING**

[CIM 9/29; UGC 11/10]

2 program changes: BS-MME: BS in Metallurgical and Materials Engineering
Addition of on course to distributed science list (CSCI101) to allow students to broaden technical experience in preparation for multidisciplinary careers. Course was initially approved on a case-by-case basis; change will make clear to students what additional options are available.

MIN-MME: Minor in Metallurgical and Materials Engineering

This change deletes one course and renumbers one course in the minor to reflect changes that were approved in the major program two years ago. Not changing the minor program at the same time as the major was an oversight that we are correcting now. The change requires students to take at least 4 credits of 300- or 400- level electives (instead of 3 before) in order to meet the minimum credits for a minor. The course flow is only a suggestion, not requirement, and only non-majors can take the minor. The only expected impact is that students may have to take 1-2 more credits than 18 total credits for the minor depending on the number of credits granted by the courses they choose.

1.4

QUANTITATIVE BIOSCIENCES AND ENGINEERING

[CIM 9/28; UGC 11/10]

1 program change: BS-QBE: Quantitative Biosciences and Engineering

Moving CBEN120 to the spring semester of the students' 1st year will allow majors to experience a full year of biology versus splitting the two semesters by a year. This will also allow for innovative future curriculum changes such as adding a combined 110-120 honors section where students can be exposed to a yearlong course based undergraduate research experience. The move will also allow the QBE program to predict student enrollments earlier. To accommodate this move we have shifted the physics sequence back one semester. (PHGN1 fall sophomore year and PHGN 2 spring sophomore year). We have spoken with Physics about this change and are in support of their plans to expand their Studio Physics capacity.

The faculty would like to have Math201 as a co-req for BIOL300, which deals with biological data analysis which aligns nicely with Math201. The QBE faculty have informed the Math department about the proposed move.

2:35-2:55 pm **Ombudsperson Office Proposal**

Tina Gianquitto
Brandon Dugan

2:55-3:15 pm **Briefings, Informational Items, and Updates**
Online Course Statistics

Sam Spiegel

3:15-4:00 pm **Executive Session**

Next Meeting: December 14, 2:00-4:00 pm via Zoom.

New courses approved by Undergraduate Council

CBEN372: Introduction to Bioenergy
HASS319: Introduction to Voice, Movement, and Improvisation in Performance and Presentation
BIOL300: Introduction to Quantitative Biology I
HASS302: Intermediate Short Fiction Writing Workshop
HASS483: Intellectual Property for Engineers and Artists
MAED465: Capstone Curriculum Design I
SCED465: Capstone Curriculum Design II

Course changes approved by Undergraduate Council

CBEN422: Chemical Engineering Flow Assurance
CEEN360: Introduction to Construction Engineering
CSCI477: Elements of Games and Game Development

EBGN437: Regional Economics
HASS401: Advanced Poetry Writing Workshop
HASS408: Creative Nonfiction Writing: Life Stories
MATH310: Introduction to Mathematical Modeling
MTGN219: Art and Science of Glassblowing
MTGN281: Introduction to Phase Equilibria in Materials Systems
MTGN315: Electrical Properties and Applications of Materials
MTGN333: Introduction to Bladesmithing
MTGN334: Chemical Processing of Materials
MTGN348: Microstructural Development
MTGN350: Statistical Process Control and Design of Experiments
MTGN430: Physical Chemistry of Iron and Steelmaking
MTGN442: Engineering Alloys
MTGN451: Corrosion Engineering
MTGN464: Forging and Forming
MTGN465: Mechanical Properties of Ceramics
MTGN475: Metallurgy of Welding
MTGN475L: Metallurgy of Welding Laboratory
PEGN440: Introduction to the Digital Oilfield
GEGN316: Field Geology
HASS400: Advanced Short Fiction Writing Workshop

Course Deactivations approved by Undergraduate Council

CSCI447: Scientific Visualization
HASS300: Creative Writing: Fiction
MTGN311: Structure of Materials
MTGN311L: Structure of Materials Laboratory
MTGN351: Metallurgical and Materials Thermodynamics
MTGN381: Introduction to Phase Equilibria in Materials Systems
MTGN407: Steel Bar Manufacturing
MTGN412: Ceramic Engineering
MTGN415: Electrical Properties and Applications of Materials
MTGN450: Statistical Process Control and Design of Experiments
MTGN461L: Transport Phenomena and Reactor Design Laboratory
MTGN463: Polymer Engineering
MTGN466: Materials Design: Synthesis, Characterization, and Selection
CBEN306: Anatomy and Physiology: Bone, Muscle, and Brain
CBEN309: Anatomy and Physiology: Bone, Muscle, and Brain Laboratory