

SUBCOMMITTEE A – AGENDA

Via Zoom
October 12, 2023
1:30 p.m.

PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

COLLEGE OF NATURAL SCIENCE

1. Request to delete the curriculum and degree requirements for the **Predental** (Non-Degree) major preference option in the College of Natural Science. The University Committee on Undergraduate Education (UCUE) provided consultative commentary to the Provost after considering this request at its September 7, 2023 meeting. The Provost made the determination after considering the consultative commentary from the University Committee on Undergraduate Education.

No new students are to be admitted to the program effective Spring 2020. No students are to be readmitted to the program effective Spring 2020. Effective Fall 2023, coding for the program will be discontinued and the program will no longer be available in the College of Natural Science. Students who have not met the requirements for the Predental major preference through the College of Natural Science prior to Fall 2023 will have to change their major.

2. Request to delete the curriculum and degree requirements for the **Premedical** (Non-Degree) major preference option in the College of Natural Science. The University Committee on Undergraduate Education (UCUE) provided consultative commentary to the Provost after considering this request at its September 7, 2023 meeting. The Provost made the determination after considering the consultative commentary from the University Committee on Undergraduate Education.

No new students are to be admitted to the program effective Spring 2020. No students are to be readmitted to the program effective Spring 2020. Effective Fall 2023, coding for the program will be discontinued and the program will no longer be available in the College of Natural Science. Students who have not met the requirements for the Premedical major preference through the College of Natural Science prior to Fall 2023 will have to change their major.

3. Request to delete the curriculum and degree requirements for the **Preoptometry** (Non-Degree) major preference option in the College of Natural Science. The University Committee on Undergraduate Education (UCUE) provided consultative commentary to the Provost after considering this request at its September 7, 2023 meeting. The Provost made the determination after considering the consultative commentary from the University Committee on Undergraduate Education.

No new students are to be admitted to the program effective Spring 2020. No students are to be readmitted to the program effective Spring 2020. Effective Fall 2023, coding for the program will be discontinued and the program will no longer be available in the College of Natural Science. Students who have not met the requirements for the Preoptometry major preference through the College of Natural Science prior to Fall 2023 will have to change their major.

PART II - NEW COURSES AND CHANGES

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

- HNF 894 Human Nutrition Practicum
Fall of every year. Spring of every year. ~~Summer of every year. 4 to 6 credits. 3 credits.~~ A student may earn a maximum of 6 credits in all enrollments for this course. ~~R: Open only to graduate students in the Department of Food Science and Human Nutrition.~~ R: Open to graduate students in the Nutrition and Dietetics Major.
Experience in agencies or offices related to Human Nutrition. Field experience required.
Request the use of the Pass-No Grade (P-N) system.
~~Effective Summer Semester 2005~~ Effective Spring Semester 2024
- CSS 192 Professional Development Seminar I
Fall of every year. 1(0-2) ~~R: Open to students in the Department of Plant, Soil and Microbial Sciences.~~ R: Open to students in the and open to students.
~~Career development, critical issues analysis, resume writing, scientific presentations and public speaking in crop and soil sciences. Career exploration and preparation, and written, verbal, and visual communication in crop and soil sciences~~
Request the use of the Pass-No Grade (P-N) system.
~~Effective Fall Semester 2016~~ Effective Fall Semester 2022
- CSS 292 Career Leadership in Agriculture
Spring of every year. 2(2-0) Interdepartmental with Agricultural, Food, and Resource Economics and Animal Science and Horticulture. Not open to students with credit in AT 214.
- NEW Leadership development, styles, and evaluations within agriculture.
SA: AEE 110, AEE 111
Effective Fall Semester 2023
- CSS 492 ~~Professional Development Seminar II~~
Professional Development Seminar II W
Fall of every year. 1(0-2) ~~P: (CSS 192 or CSS 262) and (CSS 210 and completion of Tier I Writing requirement)~~ P: (CSS 192 or CSS 262) and Completion of Tier I Writing Requirement R: Open to seniors in the Department of Plant, Soil and Microbial Sciences.
~~Synthesis, integration and application of agronomic principles to current issues in agronomy via discussion and oral and written communication. Professionalism and proficiency in oral and written communication skills in agronomy and turfgrass, including life skills.~~
Request the use of the Pass-No Grade (P-N) system.
~~Effective Spring Semester 2014~~ Effective Fall Semester 2023

COLLEGE OF NATURAL SCIENCE

- BMB 855 Special Problems
Fall of every year. Spring of every year. Summer of every year. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Approval of department.
Laboratory or library research on special problems in biochemistry.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 1 semester after the end of the semester of enrollment.
SA: BCH 855
~~Effective Fall Semester 2004~~ Effective Fall Semester 2023

- CMB 855 **Advanced Mammalian Genetics**
Fall of every year. 1(1-0) RB: Recommended background would be undergraduate degree in the life sciences with an undergraduate level course in molecular biology and genetics R: Open to graduate students in the Department of Animal Science or in the Department of Biochemistry and Molecular Biology or in the Department of Biomedical Engineering or in the BioMolecular Science or in the Program in Cell and Molecular Biology or in the Genetics Program or in the Department of Microbiology and Molecular Genetics or in the Department of Pharmacology and Toxicology or in the Department of Physiology or approval of department.
- NEW Basic and modern techniques in mouse genetics including Targeted Mutagenesis, Crisp gene editing, Cre-Lox recombination, Tissue and time specific gene ablation, Lineage Tracing, Live Imaging for mutational analysis and Bulk and Single Cell RNA-sequencing
Effective Fall Semester 2024
- GLG 303 **Oceanography**
Fall of every year. 3(3-0) Interdepartmental with Integrative Biology. ~~P: (CEM 141 or CEM 181H or LB 171 or CEM 151) and (PHY 231 or PHY 183 or PHY 193H or LB 273 or PHY 183B or PHY 231C or PHY 241)~~ P: (CEM 141 or CEM 181H or LB 171 or CEM 151) and (PHY 231 or PHY 183 or PHY 193H or LB 273 or PHY 183B or PHY 231C or PHY 241 or PHY 173 or PHY 221)
Physical, chemical, biological, and geological aspects of oceanography: ocean circulation, waves, tides, air-sea interactions, chemical properties of ocean water, ocean productivity, shoreline processes, and sediments.
~~Effective Summer Semester 2020~~ Effective Fall Semester 2023
- ~~GLG 324~~
GLG 321L **Mineralogy and Geochemistry**
Fall of every year. 4(3-2) ~~P: GLG 201 and (CEM 142 or CEM 152 or CEM 182H or LB 172) and (MTH 132 or MTH 152H or LB 118)~~ P: (GLG 201) and (CEM 142 or CEM 152 or CEM 182H or LB 172 or MSE 250) and (MTH 132 or MTH 152H or LB 118 or MTH 124)
Earth materials and their origin, modification, structure, dynamics and history. Crystallography and crystal chemistry, and geochemical properties and processes in mineral crystallization and recrystallization. Analytical identification and characterization of minerals in their lithologic context.
~~Effective Fall Semester 2017~~ Effective Fall Semester 2023
- GLG 361 ~~**Igneous and Metamorphic Geochemistry and Petrology**~~
Igneous and Metamorphic Geochemistry and Petrology (W)
Spring of every year. 4(3-2) P: GLG 321
Evolution, origin, occurrence and tectonic setting of igneous and metamorphic rocks. Phase relations of igneous and metamorphic systems. Studies of rocks in thin sections. Field trip required.
SA: GLG 461
~~Effective Fall Semester 2017~~ Effective Fall Semester 2023
- GLG 435 ~~**Geomicrobiology**~~
Geomicrobiology (W)
Spring of odd years. 4(3-2) Interdepartmental with Microbiology and Molecular Genetics. RB: GLG 201 or MMG 201 or BS 161 or LB 145 R: Open to juniors or seniors or graduate students in the College of Natural Science or in the Lyman Briggs College.
Geological and microbiological perspectives on microbial activities in diverse environmental settings, including geological change mediated by microorganisms, microbial evolution driven by geologically diverse habitats.
~~Effective Spring Semester 2024~~ Effective Fall Semester 2023

- GLG 470 Solid Earth Geophysics and Geodynamics
Spring of odd years. 3(3-0) ~~P: GLG 201 and (MTH 133 or LB 110 or MTH 153H) and (PHY 183 or PHY 183B or PHY 193H or PHY 233B or LB 273)~~ P: (GLG 201) and (MTH 133 or LB 119 or MTH 153H or MTH 126) and (PHY 183 or PHY 183B or PHY 193H or PHY 233B or LB 273 or PHY 173 or PHY 221 or PHY 241 or PHY 231 or PHY 231C) RB: (MTH 234 or concurrently) or (LB 220 or concurrently) or (MTH 254H or concurrently)
Theory and applications of solid-earth geophysics including geochronology, geothermics, geomagnetism and paleomagnetism, geodesy and gravity, rheology, and seismology.
SA: GLG 472
~~Effective Fall Semester 2017~~ Effective Fall Semester 2023
- GLG 471 Applied Geophysics
~~Fall of every year. Spring of every year. 4(3-2) P: ((MTH 133 or concurrently) or (LB 110 or concurrently) or (MTH 153H or concurrently)) and ((PHY 184 or concurrently) or (PHY 184B or concurrently) or (PHY 232 or concurrently) or (PHY 232C or concurrently) or (PHY 294H or concurrently) or (LB 274 or concurrently))~~ P: ((MTH 133 or concurrently) or (LB 119 or concurrently) or (MTH 153H or concurrently) or (MTH 126 or concurrently)) and ((PHY 184 or concurrently) or (PHY 184B or concurrently) or (PHY 232 or concurrently) or (PHY 232C or concurrently) or (PHY 294H or concurrently) or (LB 274 or concurrently) or (PHY 174 or concurrently) or (PHY 222 or concurrently) or (PHY 242 or concurrently)) R: Not open to freshmen or sophomores.
Application of seismic, gravity, magnetic, resistivity, and electromagnetic methods to problems related to engineering studies, mineral and oil exploration, groundwater, subsurface mapping, pollution, and hazardous waste.
~~Effective Fall Semester 2017~~ Effective Fall Semester 2021
- GLG 825 Organic Geochemistry
Fall of odd years. 3(3-0) RB: At least one of, Environmental Geochemistry, Organic Chemistry, or Biochemistry R: Open to graduate students.
- NEW Application of organic molecules, elements and isotopes as an indicator of the sources, reactions and fates of biogenic substances in natural waters, sediments, and soils.
Corresponding concepts, experimental strategies and analytical methods.
Effective Fall Semester 2023

COLLEGE OF NURSING

- NUR 924 Designing Interventions for Improving Health Outcomes
~~Fall of every year. Summer of every year.~~ 3(3-0) P: NUR 921 and NUR 939 or approval of college
R: Open to doctoral students in the College of Nursing or in the Nursing Major.
Foundation for designing, implementing and evaluating nursing interventions for wellness, risk reduction, and chronic illness management across the lifespan.
~~Effective Spring Semester 2022~~ Effective Summer Semester 2023