

MICHIGAN STATE UNIVERSITY
University Committee on Curriculum

SUBCOMMITTEE A – AGENDA

Via Zoom
TUESDAY, April 19, 2022
1:30 p.m.

PART I – NEW ACADEMIC PROGRAMS AND PROGRAM CHANGES

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

1. Request to change the requirements for the **Graduate Specialization in Gender, Justice, and Environmental Change** in the College of Agriculture and Natural Resources. The University Committee on Graduate Studies (UCGS) will consider this request at its April 18, 2022 meeting.

- a. Under the heading **Requirements for the Graduate Specialization in Gender, Justice, and Environmental Change** make the following change in item 1.:

- (1) Delete the following course:

FW	858	Gender, Justice, and Environmental Change: Issues and Concepts	3
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Add the following course:

CSUS	858	Gender, Justice, and Environmental Change: Issues and Concepts	3
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Effective Fall 2022.

2. Request to change the requirements for the **Master of Science** degree in **Food Science** in the Department of Food Science and Human Nutrition. The University Committee on Graduate Studies (UCGS) will consider this request at its April 18, 2022 meeting.

- a. Under the heading **Admission**, delete item 2.:

Graduate Record Examination (GRE) scores

Effective Fall 2022.

3. Request to change the requirements for the **Doctor of Philosophy** degree in **Food Science** in the Department of Food Science and Human Nutrition. The University Committee on Graduate Studies (UCGS) will consider this request at its April 18, 2022 meeting.

- a. Under the heading **Admission**, delete item 2.:

Graduate Record Examination (GRE) scores

Effective Fall 2022.

4. Request to change the requirements for the **Master of Science** degree in **Human Nutrition** in the Department of Food Science and Human Nutrition. The University Committee on Graduate Studies (UCGS) will consider this request at its April 18, 2022 meeting.

a. Under the heading **Admission**, delete item 4.:

Submit scores on the Graduate Record Examination General Test

Effective Fall 2022.

5. Request to change the requirements for the **Doctor of Philosophy** degree in **Human Nutrition** in the Department of Food Science and Human Nutrition. The University Committee on Graduate Studies (UCGS) will consider this request at its April 18, 2022 meeting.

a. Under the heading **Admission**, delete item 4.:

Submit scores on the Graduate Record Examination General Test

Effective Fall 2022.

6. Request to change the requirements for the **Bachelor of Science** degree in **Forestry** in the Department of Forestry.

a. Under the heading **Requirements for the Bachelor of Science Degree in Forestry** make the following changes:

(1) In item 3. a. change the total credits from '61' to '64'.

(2) In item 3. a. add the following course:

FOR	128	Practical Computing and Data Science Tools	3
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Effective Spring 2023.

7. Request to delete the curriculum and degree requirements for the **Agricultural Technology Certificate in Applied Horse Science** in the Institute of Agricultural Technology. The University Committee on Undergraduate Education (UCUE) provided consultative commentary to the Provost after considering this request. The Provost made the determination to discontinue the program after considering the consultative commentary from the University Committee on Undergraduate Education.

No new students are to be admitted to the program effective Spring 2022. No students are to be readmitted to the program effective Spring 2022. Effective Spring 2022, coding for the program will be discontinued and the program will no longer be available in the Institute of Agricultural Technology. Students who have not met the requirements for the Agricultural Technology Certificate through the Institute of Agricultural Technology prior to Spring 2022 will have to change their certificate.

PART II - NEW COURSES AND CHANGES

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

- ANS 411 Neuroendocrine control of stress and physiology (W)
Spring of every year. 3(3-0) P: (ANS 305 or ANS 307 or ANS 315 or NEU 301 or IBIO 313 or PSY 209) and completion of Tier I writing requirement R: Open to juniors or seniors.
- NEW Acute and chronic stress responses in mammals and their impact on well-being, behavior, physiology, fertility, and the immune system.
Effective Spring 2023
- ANS 416 Animal Growth and Development
Fall of every year. 3(3-0) P: ANS 201 and ANS 315
- NEW Biology and sequence of events of farm animal growth and development.
SA: ANS 415
Effective Fall 2022
- FOR 128 Practical Computing and Data Science Tools
Spring of every year. 3(2-2)
- NEW Foundational skills to work efficiently in a computing environment. Introduction to exploratory data analysis, spreadsheets, and R programming language.
Effective Spring 2023

COLLEGE OF ENGINEERING

- CSE 842 Natural Language Processing
~~Fall of every year. Spring of odd years.~~ 3(3-0) P: CSE 840 RB: Programming skills, basic probability and statistics knowledge. R: Open to graduate students in the Department of Computer Science and Engineering or approval of department.
Models and algorithms for natural language processing including syntax, semantics, pragmatics, and discourse. Knowledge-based and statistical approaches to a variety of language related applications.
~~Effective Spring 2005~~ Effective Fall 2023
- AESC 310 Sustainable Systems Analysis
Fall of every year. ~~Spring of every year.~~ 3(3-0) P: (AESC 210) and completion of Tier I writing requirement R: Open to juniors or seniors in the College of Engineering and open to juniors or seniors in the Department of Marketing and open to juniors or seniors in the Department of Supply Chain Management.
Concepts of sustainable systems applied to urban environments (smart cities).
Computational analysis tools for large data sets. Case studies used to increase consensus-building skills.
SA: EGR 300, EGR 310
~~Effective Fall 2018~~ Effective Spring 2023
- AESC 410 Capstone Project in Applied Engineering Sciences
Spring of every year. 3(1-4) P: (AESC 310) and completion of Tier I writing requirement R: Open to seniors in the Applied Engineering Sciences Major. Approval of department; application required.
~~Professional work group experience with other applied engineering sciences students working on sponsor defined project. Application of applied engineering sciences curricular elements, skills and competencies.~~ Professional work group experience with other applied engineering sciences students working on sponsor defined project. Application of applied engineering sciences curricular elements, skills and competencies. Students may be asked to sign a non-disclosure agreement ("NDA") or an assignment of intellectual property rights ("IP Assignment") to work with some project sponsors.
SA: EGR 410, MSM 400, SYS 410
~~Effective Summer 2015~~ Effective Spring 2023

COLLEGE OF NATURAL SCIENCE

- HBIO 295 Human Biology and Society
Fall of every year. Spring of every year. 2 credits. P: Completion of Tier I Writing Requirement R:
Open to freshmen or sophomores in the Human Biology Major or approval of college.
- NEW Relationship between human biology and the social determinants of health. Critical
reading of a range of texts
Effective Fall 2022
- PHY 804 Survey of Physics Education Research
On Demand. 3(3-0) R: Open to graduate students in the Department of Physics and Astronomy or
approval of department.
- NEW Historical background of physics education research including central findings and
relevant learning theories. Topics include student learning and engagement,
assessment, attitudes and beliefs, epistemology and framing, and issues of diversity and
inclusivity.
Effective Fall 2022

COLLEGE OF OSTEOPATHIC MEDICINE

- FCM 660 International Pre-Clerkship Preceptorship
Fall of every year. Spring of every year. Summer of every year. 1(2-40) R: Open to graduate
students in the College of Osteopathic Medicine.
- NEW International preceptorship as an alternative to FCM 650
Request the use of the Pass-No Grade (P-N) system.
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.
Effective Summer 2022

COLLEGE OF VETERINARY MEDICINE

- VM 500 Veterinary Science I
Fall of every year. 2(1-2) R: Open to graduate-professional students in the College of Veterinary
Medicine.
Introduction to veterinary science. Evidence based medicine; host, animal and
environmental interactions in health.
Request the use of ET-Extension to postpone grading.
The work for the course must be completed and the final grade reported within 3
semesters after the end of the semester of enrollment.
~~Effective Fall 2018~~ Effective Fall 2022