



Past Course Feedback for non-SoM Courses

Updated: May 2023

This document contains classes outside of the SoM that have been taken in recent years, as well as a brief summary of the course based on Student feedback and ClassNav. The purpose of this document is to serve as a guide to students searching for a class outside of SoM to take. Courses and professors change from year-to-year, so the current state of the course may be different from previous iterations. Most of the feedback we receive is from only 1-2 students per course, so their experience with it is shaped by their own background/interests and their preferred learning style. Note that currently (as of Spring 2023) you will need the approval of your advisor/committee and SoM in order to have a course outside of SoM count towards your degree. If you have any questions about that process, or want to learn more about any of the classes listed here, contact your SAC student representative.

Courses

- CS 5043: Advanced Machine Learning
 - **Professor:** Andrew Fagg
 - **Last taken:** Spring 2023
 - **Format:** In-person
 - **Description:** This course covers various machine learning architectures and teaches students to use OU's OSCER supercomputer.

- CS 5703: Machine Learning and Practice
 - **Professor:** Andrew Fagg
 - **Last Taken:** Fall 2022
 - **Format:** Online (but in-person sections have also been offered)
 - **Description:** Hands-on introduction to machine learning using the Sci-Kit-Learn module in Python. Some topics can include regression models, cross-validation, dimensionality reduction, and decision trees/random forest.
 - Students have recommended taking METR 5433 (Advanced Statistics) before to be fully prepared for what this course has to offer

- EDSC 5970: Equity in STEM Education
 - **Last taken:** Spring 2022
 - **Description:** Discussion-based night class covering elementary education to higher education, and offers tools to improve equity. Pushes your boundaries of what equity is in STEM and why it is important.

- GEOG 5273: Regional Climatology
 - **Last taken:** Spring 2024
 - **Format:** In-person
 - **Description:** This course provides the scientific basis for the climate system and climate change, providing specific insights into regional climate forcings around the world.

- GEOG 5583: Energy Systems and Sustainability
 - **Last taken:** Fall 2022
 - **Description:** This offering provides an understanding of interdisciplinary elements and perspectives associated with energy systems in the context of sustainability.

- GEOG 5943: Natural Hazards
 - **Last taken:** Spring 2022
 - **Description:** Covers meteorology topics and how they interact with emergency management.

- JMC 6631: Advanced Qualitative Methods
 - **Last taken:** Spring 2022
 - **Description:** This course covers topics in communication research methods.

- PBIO/GIS 4733/5733: Environmental Remote Sensing
 - **Professor:** Xiagming Xio
 - **Last taken:** Spring 2022
 - **Format:** In-person
 - **Description:** Discusses remote sensing techniques, with a particular focus on the evolution of vegetation and land-surface with respect to different atmospheric changes. Provides hands-on experience with Google Earth Engine and satellite data.