Environmental Studies (ENV_ST)

ENV_ST 2070: Introduction to Ecological Economics
(same as AG_EC 2070). Examines current environmental and natural resource issues using a systems perspective and key economic concepts. Explores connections between the environment and the economy based on problems at the local, national, and international levels.

Credit Hours: 3
Prerequisites: ENGLSH 1000 and sophomore standing

ENV_ST 2101: Topics in Environmental Sciences
Selected topics not in regularly offered courses.

Credit Hours: 1-3

ENV_ST 2110: Environmental Sustainability
Students will assess availability of key resources, estimate sustainable rates of use and develop plans for aligning current and sustainable rates of use using personal, business and government strategies. Graded A-F only.

Credit Hours: 3
Prerequisites: ENGLSH 1000 and one introductory environmental course

ENV_ST 2150: Directed Independent Study
Working with Environmental Studies you will find and develop a research project or an internship with the university, a government agency, a business or a non-profit agency. The project will be directed towards solving an environmental problem.

Credit Hour: 1-3
Prerequisites: instructor's consent

ENV_ST 3000: Natural History of Missouri
This class deals with the characteristics of natural ecological communities of Missouri and with the skills needed to observe, record and interpret those characteristics. Graded on A-F basis only. Prerequisites: MATH 1100 and ENGLSH 1000

Credit Hours: 2

ENV_ST 4310: Topics in Environmental Studies
This course covers topics not covered in regularly offered courses. Students are expected to combine skills, knowledge and perspectives from the natural and social science to analyze selected environmental problems.

Credit Hour: 1-3

ENV_ST 4350: Modeling Environmental Problems
This course covers modeling environmental problems as systems. Modeling incorporates rates of change, feedback loops, short/long term signals, inertia, upstream causes, interventions, implementing interventions, unintended consequences and predicting outcomes of major shocks (oil prices, pandemics, climate change). Graded on A-F basis only.

Credit Hours: 3
Prerequisites: 9 hours natural science courses and junior standing

ENV_ST 7350: Modeling Environmental Problems
Course covers modeling environmental problems as systems. Modeling incorporates rates of change, feedback loops, short/long term signals, inertia, upstream causes, interventions, implementing interventions, unintended consequences and predicting outcomes of major shocks (oil prices, pandemics, climate change). Graded on A-F basis only.

Credit Hours: 3
Prerequisites: 9 hours natural science