Ecological Engineering - Advanced Ecology Electives

Department	Course	Course Title	Hours	Course Description
ENR	5250.01	Wetland Ecology and Restoration	3	Wetland hydrology, biogeochemistry, vegetation, biotic adaptations. Ecosystem services, classification, and management of wetlands. Fundamental concepts of ecological engineering applied to wetland creation and restoration and river restoration. Prereq: EEOB 3410. If you've taken 3410 but get a prereq error, request permission of instructor.
ENR	5250.02	Wetland Field Laboratory	1	Laboratory on wetland hydrology, vegetation, water quality, soils, and aquatic biota. Prereq: Concur: 5250.01.
ENR	5263	Biology of Soil Ecosystems	3	A comprehensive study of microbial communities and their role in providing ecosystems services. Sp Sem. Prereq: 3000
ENR	5280	Stream Ecology	4	Structure, function, and biota of streams and rivers. Emphasis on ecosystem processes and community dynamics over space and time. Au Sem. Prereq: 3300 or permission of instructor.
EEOB	5420	Aquatic Ecosystems - Ecology of Inland Waters	1.5-4	A study of the physical, chemical, and biological factors influencing the biological productivity of inland waters, and of techniques and equipment used in evaluating them. Also available summer session at Stone Lab. Prereq: 3410, or permission of instructor.
EEOB	5470	Community and Ecosystem Ecology	3	A quantitative and descriptive approach to the establishment, development, succession, and dynamics of communities and their interrelations with historic, climatic, soil, and biotic factors. Prereq: 3410.