

Scholarship

ABET framework expansion | Social and environmental justice in STEM
Iterative success criteria and long-term environmental monitoring
Contaminated sediment site characterization and remediation
Global chlor-alkali distribution and industrial history
Collaborative international research exchange

Teaching

Coastal and estuarine sediment transport | marsh accretion dynamics
Bioavailability | sequential extractions and proxy analyses
Environmental aquatic chemistry | redox chemistry
Porewater geochemistry | field sampling methods
Chemical reaction and transport kinetics
Spatialization of disparity (GIS)
Power and inequity in society
Saltmarsh biogeochemistry
Differential equations

In Development

Coastal Communities and Climate Change (NC)
Field Methods in Salt Marsh Assessment (M)
Introduction to Ecological Engineering (NC)
Social Vulnerability Mapping (M)
Power, Equity and Society (NC)

(NC) = New Course

(M) = New Module in Existing Course