

Teaching Classes and Courses

CE 5318 (Fall)

Physical-Chemical Processes I

Credit: 3

Level: Graduate

Description: This course covers the basics of water quality modeling that will be used in subsequent environmental engineering courses and the physical processes used in water and air quality control including a discussion of the theory, design, and operation of physical unit processes.

CE 4351 (Fall)

Physical Unit Processes

Credit: 3

Level: Undergraduate

Description: This course covers the basics of water quality modeling that will be used in subsequent environmental engineering courses and the physical processes used in water and air quality control including a discussion of the theory, design, and operation of physical unit processes.

TBA

CE-XXXX (Spring)

Unit Operations and Processes for Water Quality Control

Credits: 3

Level: Dual

Description: This course covers the process design of physical/chemical unit operations for water quality control. The topics will include water quality standards and regulations, coagulation, flocculation, sedimentation, filtration, disinfection, adsorption, oxidation, floatation, and membrane separation.