

ENVR-401 : Environmental Microbiology

An exploration of how microorganisms interact with their environment and the implications of these interactions for humans. Specific topics will include: antibiotic resistance, biodegradation, biodiversity, biofuels, bioremediation, extreme environments, geochemical cycles, methods for sampling, culture, and analysis of environmental microorganisms, microbiology of air, water, and soil; environmental pathogens; and microbiological treatment of sewage and water. Three lectures and one lab per week. Prerequisites: **BIOL-309** or ENVR/CHEM-320 Offered alternate years (Cross-listed as **BIOL-401**)

Credits 4

Prerequisites

Take BIOL-309 or CHEM/ENVR-320

Corequisites

Take ENVR-401L

Term Offered

Fall Only

Session Cycle

F

Grade Scheme

BC