

Course Number

BIO-368-01

Course Description

Many of the advances made in medicine and molecular biology have been based on work done in microbial systems. This integrated laboratory course will focus on the discovery and characterization of antibiotic-producing soil microbes, using microbiological and molecular techniques. As part of Tiny Earth (TE), students will contribute their findings to a database shared by a network of student researchers from over 300 other institutions around the globe. In addition, we will explore gene expression and gene regulation of antibiotic production and resistance, and how bacterial systems have become advanced tools for the study of these processes. Combined lecture and lab course meets twice/week for 3 hours; with additional laboratory time as needed.

Academic Term

22/FA

Instructor

Salvo, Jill

Location & Meeting Time

Integrated Science & Engineering Complex-387+ T/TH 01:55PM-04:45PM LEC

Integrated Science & Engineering Complex-378 T/TH 01:55PM-04:45PM LAB

Credits

1.00

Capacity

12

Total Students

7

Additional Information

<http://www.union.edu/Biology>

Common Curriculum

SCLB

Academic Department

Biology

Field Of Study

Biology (BIO)