BIOL 362

Term: SPRING 2016 Course No. & Section: BIOL 362-01

Course Title: GENERAL MICROBIOLOGY LAB

Professor: FACULTY

Course Description:

Objectives:
- That the student be able to perform standard procedures of the microbiology laboratory and to help understand the relevant course materials

Content:
This course will introduce you to the wonderful world of microbiology. Microbes have been in existence for billions of years. They have evolved to become extremely versatile organisms, capable of surviving in environments where other life forms cannot. Because of the vastness of the field of microbiology and the time constraints of this laboratory, we will initially focus primarily on some key concepts. The course begins with the basic skills required for working with bacteria: aseptic techniques, microscopy, and slide preparations. These skills and other techniques will be used for isolation and identification of organisms, generating and screening for bacterial mutants, and to develop an independent project.

Prerequisites/Recommended Background:
BIOL 361 or concurrent

Required Texts/References:
Lab manual provided in class

Course Work/Expectations:
- Two 2-hour labs/week
- Keeping a laboratory notebook
- Exam/quizzes
- Project and written reports

Comments: