BIOL 361

Term: SPRING 2016  
Course No. & Section: BIOL 361-01

Course Title: GENERAL MICROBIOLOGY

Professor: FACULTY

Course Description:

Objectives:
- To introduce the student to the field of microbiology including the diversity, physiology, and genetics of microorganisms
- To provide the student with an understanding of the role of microorganisms in health, the environment, and our daily lives

Content:
The history of microbiology, classification and features of microorganisms including bacteria, fungi, and viruses; the structure, growth, physiology, metabolism, and genetics of microorganisms; the role and function of microbes in nutrient cycling, food processing and production; antibiotic, physical, & chemical control of bacteria; host-pathogen interactions and host immune responses to microorganisms and mechanisms of disease pathogenesis.

Prerequisites/Recommended Background:
Upper division standing in biology
BIOL 201 and 202
CHEM 220

Required Texts/References:

Course Work/Expectations:
Attendance at three weekly lectures
One to three short homework/writing assignments
and/or attendance at a lecture or field trip
Three midterm exams
Final Examination

Comments:
This course is very useful for pre-medical and pre-dental students.