

# INTRODUCTORY MICROBIOLOGY

BIO300  
4 Credit Hours

**Instructor:** Dr. Tim Johnston  
**Office:** Blackburn Science Room 357  
**Phone:** 762-6367  
**Office Hours:** Posted outside the office door.  
**Class meets:** MWF, 9:30 - 10:20  
**Text:** Microbiology, An Introduction, Tortora, Funke, and Case  
**Lab Manual:** Handouts and A Photographic Atlas for the Microbiology Laboratory

**Catalog Description:** An introductory survey in general microbiology. Special emphasis is given to the study of the prokaryotic microorganisms both in lecture and laboratory.

**Purpose:** The course includes a detailed study of bacteria and general areas of discussion will be concerned with principles of bacteriology (culture, physiology, anatomy, genetics), control of microorganisms through chemical and physical methods, principles of infection and immunity, and specific diseases caused by microorganisms. The laboratory provides practical experience in aseptic technique, bacterial culture, identification of unknown species, and collection of clinical specimens.

## **Objectives:**

1. To provide a general understanding of the activities of microorganisms and their importance to man and his environment.
2. Each student should gain an appreciation and understanding of aseptic technique and how microorganisms are controlled in the clinical setting.
3. To describe the processes of disease, immunity, and host parasite relationships.

**Attendance Policy:** Lecture attendance is required since some of the material covered in class cannot be found in the same detail in the text book. Role, however, will not be taken. Make-up exams will not be given except for well verified excused absences. The instructor must be notified in advance of the examination day if at all possible when an absence is unavoidable. Laboratory attendance is mandatory and will contribute to your grade.

**Grading:** There will be 3 midterm exams worth 100 points each. They will be multiple choice and short answer. The final will be 100 multiple choice questions for 200 points and the laboratory will be worth 200 points. Your grade will be determined on a straight scale- 90% or 630 points is an A, 80% or 560 points is a B, 70% or 490 points is a C and 60% or 420 points is a D. Anything less than 420 points will earn a failing grade.