

# Microbiology

**This is a self-paced course with continuous enrollment**

**\$40.00**

Microbiology is a course that is the nemesis of many in that it frequently forces students to reevaluate their career goals. This is an updated version of the Microbiology course that was taught at the University of Colorado for several years. It is intended for students who have struggled with the topic in the past, for those who desire a “pre-course” to familiarize themselves with the subject before they must take it for credit at their college or university, or for those who need a refresher course in the subject. The online course involves the development of virtual lab exercises versus the wet laboratory experiments that were a part of the in-class version of the course.

As Microbiology is a topic that builds throughout the course, it is cumulative and students should be expected to be tested on material learned in previous lessons throughout the duration of the course. There is no textbook or other material to purchase.

This course is geared to those who plan to enter the medical professions. Thus it is ideal for those planning to enter medical, veterinary, pharmacy, dental, physical therapy, physicians’ assistant, nursing, medical technology, occupational therapy, epidemiology, public health, and other related programs and professions. It is a rigorous course that will almost certainly improve a student’s performance in the classroom when they must take the course for credit.

The course will deal at length with the following Topics:

- Lesson 1 – Microbial Chemistry
- Lesson 2 – The Scope of Microbiology
- Lesson 3 – Microbe Staining and Microscopy
- Lesson 4 – Growth of Microorganisms
- Lesson 5 – Physical & Chemical Control of Microorganisms
- Lesson 6 – Cultivation and Nutrition of Microorganisms
- Lesson 7 – Microbial Metabolism
- Lesson 8 – Eukaryotic Structure and Pathogenic Organisms
- Lesson 9 – Viruses and Prions
- Lesson 10 – Viruses of Clinical Importance
- Lesson 11 – Microbial Genetics
- Lesson 12 – Normal Flora of the Human Body
- Lesson 13 – Pathogenic Prokaryotic Microorganisms
- Lesson 14 – Antimicrobial Agents
- Lesson 15 – Non-Specific Host Resistance
- Lesson 16 – The Immune Response – Specific Resistance
- Lesson 17 – Epidemiology, Nosocomial, & Iatrogenic Infections
- Lesson 18 – Recombinant DNA Technology

## Grading Policy

A = 100 - 90  
B = 89 - 80  
C = 79 - 70  
D = 69 - 60  
F = 59 – Below

**Students have the opportunity to purchase CEU and Course certificates upon successful completion of the course.**

**This course is worth 5 Continuing Education Units (5 CEUs)**

- A score of 90% and above entitles the student to purchase a **Certificate of Academic Excellence**
- A score of 80-89% entitles the student to purchase a **Certificate of Merit**
- A score of 75% entitles the student to purchase a **Certificate of Appreciation**

**Certificates cost \$25 and can be purchased after completion of the course.**

**Disclaimer**

This class is for informational or refresher purposes, not certification. It cannot be substituted for any state, government, licensing, or educational requirements.

**Questions?** Feel free to contact me prior to enrollment in my class at [\*\*webbycyberclasses@yahoo.com\*\*](mailto:webbycyberclasses@yahoo.com)