



## Syllabus

The mission of York College is to transform lives through Christ-centered education and to equip students for lifelong service to God, family, and society.

### BIO 344 General Microbiology

#### Course Description

An introduction to the major concepts and processes common to microorganisms. Topics will include the history of microbiology, classification, cellular function, morphology, metabolism and growth, genetics, host resistance, immunology, and microbial disease. Laboratory work includes cultivating, studying, isolating, identifying, and controlling microbes with heavy emphasis on technique.

**Course Prerequisite(s):** BIO 154 College Biology or permission

#### Course Learning Outcomes:

1. The learner will develop a working knowledge of the different types of microorganisms.
2. The learner will explain and describe microbial diseases.
3. The learner will develop safe and practical laboratory techniques.
4. The learner will write a satisfactory review paper using CSE formatting.

This course is in partial fulfillment of the following **Program Learning Outcomes in bold:**

- 1. The learner will evaluate and investigate scientific content in a manner consistent with adequate written and verbal communication.**
- 2. The learner will understand and analyze biological, chemical, and/or physical systems.**
- 3. The learner will demonstrate safe, responsible, and ethical laboratory techniques.**
- 4. The learner will be prepared for entrance into the field, or graduate school, or professional programs.**

This course is in partial fulfillment of the following **General Education Program Learning Outcomes:**

#### **Critical Thinking**

- a) Define a problem or critical issue and account for information presented
- b) Understand and interpret relationships among concepts
- c) Draw valid conclusions based on information presented

#### **Ethical Inquiry**

- a) Cite sources appropriately

#### **Effective Communication**

- a) Construct and organize content in a manner appropriate for the intended audience

b) Demonstrate effective written or oral presentation skills

### **Social Responsibility**

a) Recognize the contribution of individuals to society

### **Absences and Tardiness**

York College believes that regular class attendance is essential to learning; however, it provides for necessary absences. Punctuality in all classes is required. Individual teachers set their own attendance standards. However, you cannot be absent from any course for more than the equivalent of three weeks of a semester and receive credit in that course. Absences in excess of this amount constitute failure in the course and may result in withdrawal from the course with a grade of “WF” (withdrawn failing).

### **Academic Honesty**

Academic dishonesty is taken seriously by York College. Cheating on assignments or examinations, plagiarizing, or any other act which violates the rights of another student in academic work or that involves misrepresentation of your own work may result in a grade reduction on the assignment/quiz/test or a grade reduction in the class (including the possibility of failing the class). If a student is found responsible for academic dishonesty, a report is filed with the Provost’s office and is considered a violation of the [Honor Code](#).

### **Special Needs**

If you have or believe you have a disability, you may wish to self-identify. You can do so by providing documentation to Mrs. Marti Soderholm, Director of Special Populations. She may be contacted by phone at (402) 363-5616 or e-mail: [msoderholm@york.edu](mailto:msoderholm@york.edu) for an appointment. Pending the results of your evaluation, appropriate accommodations may then be provided for you.

If you have a condition which may affect your ability to exit safely from the premises in an emergency or which may cause an emergency during class, you are encouraged to discuss this in confidence with the instructor and/or the ADA Compliance Officer. If you have general questions about the Americans with Disabilities Act (ADA), contact the ADA Compliance Officer, Todd Sheldon, at (402) 363-5601 or by e-mail: [tlsheldon@york.edu](mailto:tlsheldon@york.edu)