

Introduction to Microbiology

I. Course Information

Course Title:	Introduction to Microbiology	Course No. and Section:	MCB2010 (03)
Credit Hours:	3	Instructor Name:	Julio L. Martin
Course Location:	2-120	Meeting Dates:	Tuesdays and Thursdays: 11:00 AM - 12:15 PM
Office Location:	2-217F	Office Hours:	Mondays: 11:00-12:15 PM 2:00-3:15 PM (Online) Tuesdays: 12:30-1:15 PM Wednesdays: 11:00-12:15 PM, 2:00-3:15 PM (Online) Thursdays: 12:30-4:30 PM Other times by appointment
Telephone No.:	854-2322 x1584	E-mail:	martinj@cf.edu (If possible, please contact me through Canvas)

Extended Emergency Closure

“For emergency campus closings (natural disasters, etc.) call 352-291-4499 or 800-831-9244 or check our website www.CF.edu.”

II. Course Description

This is an intense course designed for students in health-related programs. Lecture and discussion periods will focus on understanding the structure and functions of microbial organisms with emphasis on their effects on human systems. You will be tested on application of your knowledge and problem-solving skills.

Required Text – Title:	Microbiology	Author of Text:	OpenStax
Edition:	1st edition	ISBN No.:	9781947172234

III. Student Learning Outcomes/Course Objectives

Institutional Learning Outcomes	Quiz	Exam	Project/ Paper	Classroom Activity	Service Learning
Critical Reasoning: The student will reflect, analyze, synthesize, and apply critical thinking.					
1. State question at issue.	X	X			
2. Identify purpose of argument.	X	X			
3. Identify the ideas and concepts, information and data, and the use of such in the argument.	X	X			
4. Identify assumptions, bias, and point of view of information presented.	X	X			
5. Create plausible solutions and implications of solutions.	X	X			
6. Evaluate (Steps 1-5) and revise if needed.	X	X			

IV. Assessment

- The instructor does not give you a grade. He/she awards you the grade you earn.
- Discussion of your grade will only take place in the instructor's office.

- Tests, quizzes, homework and assignments may be graded and returned to the student. It is your responsibility to keep them. Should you feel that the final grade assigned to you is in error, you will need to bring in these assignments so we can check to see if an error was made when recording the scores or adding up points. Without this documentation, the recorded grades will be assumed to be correct.
- Absences may adversely affect your performance and result in lost points due to missed class assignments, tests and quizzes.
- Prolonged absences may make withdrawal from the course the only viable option.
- Non-attendance does not constitute withdrawal from this course. It is the student's responsibility to complete the withdrawal forms by the appropriate date.
- No make-up work will be given unless there is an emergency or prior approval has been given by the instructor. In such an event, you must notify your professor before the exam or item is due unless the emergency prohibits it and you will be asked to bring proof of the emergency. A make-up exam must be taken within one week of the original exam date unless the emergency prohibits it. While you do not need to disclose personal details, let your professor know as soon as possible if something is preventing you from participating online or completing work.
- Honorlock will be used for tests.
- Access code will be needed for Mastering Microbiology assignments.

Your final grade will be calculated based on:

60% Tests + 40% Quizzes and Assignments

Grading scale:

A	90.0-100
B+	87.0-89.9
B	80.0-86.9
C+	77.0-79.9
C	70.0-76.9
D	60.0-69.9
F	0-59.9

V. Course Schedule/Outline

Preparation, Activities and Evaluation	Date
Chapter 1 An Invisible World Chapter 2 How We See the Invisible World Chapter 3 The Cell Chapter 4 Prokaryotic Diversity Chapter 5 The Eukaryotes of Microbiology Chapter 6 Acellular Pathogens	
Test #1 (Ch. 1-6)	Week of Jan. 30th
Chapter 7 Microbial Biochemistry Chapter 8 Microbial Metabolism Chapter 9 Microbial Growth Chapter 10 Biochemistry of the Genome Chapter 11 Mechanisms of Microbial Genetics Chapter 12 Modern Applications of Microbial Genetics	
Test #2 (Ch. 7-12)	Week of Feb. 27th
Chapter 13 Control of Microbial Growth Chapter 14 Antimicrobial Drugs Chapter 15 Microbial Mechanisms of Pathogenicity Chapter 16 Disease and Epidemiology	
Test #3 (Ch. 13-16)	Week of March 27th
Chapter 17 Innate Nonspecific Host Defenses Chapter 18 Adaptive Specific Host Defenses Chapter 19 Diseases of the Immune System Chapter 20 Laboratory Analysis of the Immune Response	
Test #4 (Ch. 17-20)	Week of April 24th
Chapter 21 Skin and Eye Infections Chapter 22 Respiratory System Infections Chapter 23 Urogenital System Infections Chapter 24 Digestive System Infections Chapter 25 Circulatory and Lymphatic System Infections Chapter 26 Nervous System Infections	
Test #5 (Ch. 21-26)	April 28th-May 4th

STATEMENT: Due to unforeseen happenings, it may be necessary for the course assignment schedule to be altered. The instructor will always strive to be fair about any changes.