

MCB1000

MICROBIOLOGY

Instructor: Dr. Brannan

Office: BSCI # 207C

Phone: 253-7923

Email: gbrannan@hccfl.edu

Course Description:

This microbiology course is an introduction to a specialized aspect of the field of biology. The course is intended primarily for those in training for health services, especially those who will have direct patient contact. However, all students with an interest in biology are welcome to take this course.

Corequisite: MCB 1000L

Textbook: *Microbiology: An Introduction* by Tortora, Funk & Chase. 10th ed. 20010.

Examinations: There will be routine examinations given throughout the course, covering units of material. The questions will relate to both the textbook assignments and the lecture material. These will be multiple choice, and will require a Scantron and a pencil. The test dates are indicated in the syllabus. You must take all tests. If you miss an examination you must schedule and complete a make-up before the next class meeting. If the test is not taken at this time a zero will be awarded. Exceptions will be granted only if a physicians excuse is presented or if the instructor concurs that unusual and mitigating circumstances have existed. If taken, 10 points will be deducted from the test grade.

If an exam is missed you must make an appointment with the test center 24 hours in advance and the test needs to be taken before the next class meeting.

During lectures and exams please have cellular devices turned off and confined (e.g. put in purse, pocket, etc.) If taking a test with a proctor, cell phones will be given to proctor until the test is finished.

Cheating/Plagiarism will not tolerated. Punishment will be given out at the discretion of the instructor.

Grading: The final grade will be calculated by the student's total points on the exam divided by the instructor's total points on the exam. The grading scale is as follows:

GRADING SCALE

90% - 100 = A

80% - 89 = B

70% - 79 = C

60% - 69 = D

below 60%= F

Attendance: Attendance will be taken each class period. Information will be given in the classroom that the student is responsible for; therefore, class attendance is very important.

Request for Accommodations: If to participate in this course you require an accommodation due to a physical or learning impairment, you must contact the Office of Services to Students with Disabilities.

Withdrawal Date: March 26th, 2012

SYLLABUS

DATE	TOPIC	CHAPTER/READINGS
January 10, 12, & 17	Introduction/The Microbial World and You	1
January 19	Observing Microorganisms Through a Microscope	3
January 24	Functional Anatomy of Prokaryotes and Eukaryotes	4
January 26	TEST I	
January 31 February 2, & 7	The Prokaryotes: Domains Bacteria and Archaea	11
February 9 & 14	Viruses, Viroids, and Prions	13
February 16	TEST II	
February 21, & 23	Microbial growth	6
February 28 March 1	Microbial Metabolism	5
March 6	The Control of Microbial Growth	7
March 8	TEST III	
March 13, & 15	Microbial Mechanisms of Pathogenicity	15
March 27	Antimicrobial Drugs	20
March 29 April 3	Microbial Diseases of Skin, and Eyes	21
April 5	TEST IV	
April 10, & 17	Diseases of the Nervous System	22
April 19	Diseases of the Cardiovascular and Lymphatic System	23
April 24	Diseases of the Respiratory System	24
April 26	Diseases of the Digestive and Urinary Systems	25 & 26
May 3	TEST V	