CoSM Class Policy

Fall, 2019
BIO 308 Section 001
PRE-NURSING MICROBIOLOGY

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Phone: 468-5196
Office: Miller Science, Rm 237
Office Hours: Monday and Wednesday, 11am to 1 pm and by appointment.
Class meeting time and place: Monday and Wednesday, 1:00pm to 2:15 pm in Miller Science 334 from 26 August 2019 through 13 December 2019

INTRODUCTION:
Welcome to PRE-NURSING MICROBIOLOGY! This course is primarily designed to provide pre-nursing and related health career students with a fundamental understanding of introductory medical microbiology with a focus on those microorganisms that cause disease. The first-half of this course is designed to be introductory in nature and will cover broad concepts in microbiology including bacteria, protists, parasites, viruses, and fungi. The second-half of the course is more specific and will cover immunology and specific microbial diseases by body system. There will of necessity be some memorization but only enough to allow you to apply facts to building concepts and a well-rounded understanding of this rapidly advancing field of science.

MATERIALS:

Lecture notes will be posted on the D2L website.

ACCEPTABLE STUDENT BEHAVIOR:
Classroom behavior should not interfere with the instructor’s ability to conduct the class or the ability of other students to learn from the instructional program (see the Student Conduct Code, policy D-34.1). Unacceptable or disruptive behavior will not be tolerated. Students who disrupt the learning environment may be asked to leave class and may be subject to judicial, academic or other penalties. This prohibition applies to all instructional forums, including electronic, classroom, labs, discussion groups, field trips, etc. The instructor shall have full discretion over what behavior is appropriate/inappropriate in the classroom. Students who do not attend class regularly or who perform poorly on class projects/exams may be referred to the Early Alert Program. This program provides students with recommendations for resources or other assistance that is available to help SFA students succeed.

Standard classroom decorum is expected. Please do not carry on a separate conversation that might be distracting to other students. If you have a cell phone, pager, or other electronic device, please make sure that it is either turned off or silenced. Please note that use of computers and/or tape recorders to take lecture notes are permitted during lectures.

ATTENDANCE:
At the beginning of each lecture I will make available a Sign-In Roster. This is how I document attendance. If you fail to sign the signature roster, you will be counted absent regardless of whether you were in class or not. Failure to attend 6 or more lectures for any reason will result in a failing grade.
There will be no distinction between excused and unexcused absences in counting absences. Legitimate excuses for absences only affect whether students may be given an opportunity to make-up work. Students must inform the instructor at least two lectures prior to the day of absence so that suitable arrangements may be made. Make-up opportunities may be provided for prior excused absences and actual emergencies.

Missing an exam will be permitted only by prior arrangement, by serious illness of the student or by serious illness or death of an immediate family member. Please contact me if there is a problem. Exams will be administered only during the first hour of the lecture period. Lectures continue at the completion of each exam. I intend to return exams as quickly as possible, ideally the next day.

ACADEMIC INTEGRITY (Policy A-9.1):
Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism.
Definition of Academic Dishonesty. Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one’s own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one’s paper without giving the author due credit. Please read the complete policy at http://www.sfasu.edu/policies/academic_integrity.asp Academic integrity is expected of everyone in this course. Any form of academic dishonesty will lead to the student receiving a failing grade for the entire course. Additionally, a Report of Academic Dishonesty form will be submitted to your Dean’s office.

WITHHELD GRADES (Semester Grades Policy A-56):
Ordinarily, at the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average. The circumstances precipitating the request must have occurred after the last day in which a student could withdraw from a course. Students requesting a WH must be passing the course with a minimum projected grade of C.

STUDENTS WITH DISABILITIES:
To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, Room 325, 468-3004/468-1004 (TDD), as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodation. For additional information, go to http://www.sfasu.edu/disabilityservices/. Please note that you must visit with me outside of class time concerning your request before I will be able to provide the accommodations described in the notification from ODS.

COURSE EVALUATION:
All students are required to complete a course evaluation at the end of the semester for both the lecture AND lab sections.
REQUIREMENTS:
The grade in this course is based on the following criteria. Please remember that lecture and laboratory grades are computed into one grade; the same grade is recorded for both lecture and lab. The lab portion counts 30% while the lecture portion counts 70% of your final grade.
Requirements for the course are summarized below:

1. Lecture Exams: There will be three lecture exams during the semester. The Assigned Reading Schedule lists the dates of these exams. Each exam is worth 50 points. Exams will be returned. The format of these exams will include fill in the blank, multiple choice, and true/false questions. No clickers or scantrons are necessary.

2. Final Exam: This exam will be comprehensive, meaning that it will cover everything throughout the entire semester. All students will take the final exam at the end of the semester. The final exam for this course will be on Monday, 9 December 2019, from 1:30 pm - 4:00 pm in Miller Science 334.

3. Homework Assignments: There are 20 homework assignments worth 10 points each listed in the lecture schedule. These questions are listed at the end of each assigned chapter. Blank answer sheets will be made available via D2L.

4. Lab Grade 1/3rd of course total: As noted above, you will receive a separate lab grade that will be used to calculate one final grade for the course. Therefore, it is worth a third of your final grade for the course.

Summary of Course Grade
- 20 Homework Assignments @ 10 pts
- Chemistry Review Exam @ 100 pts
- Three lecture exams @ 50 pts each
- Final Exam @ 100 pts
- Lab Grade @ 250 pts
- Course total: 800 pts

Grading Scale
- 90.00 – 100.0% = A
- 80.00 – 89.99% = B
- 70.00 – 79.99% = C
- 60.00 – 69.99% = D
- Below 59.99% = F

PROGRAM LEARNING OUTCOMES:
Each of the student learning outcomes listed below address the Biology Department Program Learning Outcome #1: Demonstrate a good knowledge base in biological concepts and be able to integrate knowledge with critical thinking skills to become problem solvers. Knowledge base will include: levels of complexity (molecular/cellular through population/communities/ecosystems); biological principles and processes.

COURSE OBJECTIVES:
- Differentiate viruses, bacteria, fungi, algae and protozoans in terms of structure, physiology, genetics, replication and reproduction, ecological niches, and interactions with man and the environment.
- Understand the implications of the presence and functions of microorganisms in terms of economics, industry, the environment, history, health care and research.
- Understand how microorganisms grow, their unique nutritional requirements, how their growth can be controlled and the cellular mechanisms and structures target by antibiotics.
- Understand the techniques used to observe, identify, measure, manipulate, study and genetically modify microorganisms
- Understand and differentiate the diagnosis, pathogenesis, epidemiology, and treatment of microbial diseases affecting the major systems in the human body.

STUDENT LEARNING OUTCOMES
Students who successfully complete Microbiology will demonstrate:
- The ability to identify the role of microorganisms in human history and health.
- An understanding of the importance and roles of microorganisms within the biosphere.
- An understanding of cell structure, function, growth, and pathogenesis of microorganisms that are important for human health.
- An understanding of the taxonomic descriptions and distinctions of pathogenic eukaryotic microorganisms.
- A basic understanding of the distinctions and peculiarities of the viruses.
- An understanding of nutritional and environmental influences on cell growth and control of cell growth.
- An understanding of the binomial classification system used in microbiology and the ability to identify significant species.
- An understanding of the physical, chemical and antibiotic control of microorganisms.
- An understanding of the human immune response to infection by microorganisms.
- An understanding of how to explain the diagnosis, pathogenesis, epidemiology, and treatment of microbial diseases.