2015 General Microbiology
BIOS 350 Spring Semester
Section 23048: MWF 11:00 am to 11:50 am in 250 BSB
Section 33790: MWF 12:00 pm to 12:50 pm in 145 BSB

Faculty Information

a. Instructor: Sandra Gibbons
b. Office: 3466 SES
c. Office Hour: W and F 1:00 pm to 2:00 pm in 3466 SES
d. Office Phone: 312-996-0961 (do not leave a message if I do not answer please email instead)
e. E-mail: Gibbonss@uic.edu

Course Identification

a. 3 credit hours
b. Prerequisite: BIOS 100 (BIOS 101 is also recommended) or the equivalent; and credit or concurrent registration in either CHEM 130 or CHEM 232.
c. Catalog description: Ultrastructure, genetics, molecular biology, physiology and metabolism of microorganisms; role of microorganisms in food, water, agriculture, biotechnology, infectious diseases, and immunobiology.

Textbooks/Reading List

Required:


This package cannot be substituted with other materials.

Students are required to have their materials on the first day of class and will not be granted extended time to complete assignments due to a failure to purchase materials in a timely fashion.

Course Goals:

a. The student shall demonstrate knowledge of common microbiological terms, facts and principles through exams, discussion, and written assignments.

b. The student shall demonstrate an understanding of the "scientific approach" by its application in class discussions, written responses to problems and interpretations of data presented during class.
Career Development Skills:

a. Follow instructions.

b. Organize notes and ideas for formal, semiformal, and informal presentation.

c. Estimate, apply, and solve problems involving fractions, decimals, percentages, and real numbers.

d. Check, edit, and revise for correct information, appropriate emphasis, grammar, spelling and punctuation.

e. Compile and maintain records, logs, notebooks, and other documents.

f. Access, navigate and use on-line services.

g. Utilize problem-solving skills.

h. Participate in team tasks.

i. Maintain openness to life-long learning.

Course End Competencies:

a. The student shall demonstrate competence in:

1. the history, evolution, and ecology of microbial life,

2. the ultrastructure of various microbes,

3. the chemical and molecular basis of life,

4. the relationship between microbial growth and control of microbial growth,

5. epidemiology and the disease process,

6. the innate and adaptive immune response,

7. immune system hypersensitivity and immunodeficiency.

b. The student shall develop an appreciation of the use of science and the role of microbiology in everyday life.
STUDENT SUCCESS:
The following list includes methods you can use to improve your chances of success in the microbiology course you are taking this semester.

- Come to every class.
- Complete all work on time.
- Read the textbook and review lecture notes
- After reading the chapter assignments, write out the MiniQuiz Wiki answers.
- Form a study partnership with a classmate or two.
- Use the student resources available at the study area of our Blackboard site.
- Search the web using key words and concepts from the readings.
- Make study flash cards and use them.
- Re-write your notes.
- Meet with a biology tutor when available.
- View a video associated with a difficult objective topic.

Course Website

b.  Please contact me if you need to be added to the blackboard course site. Please note that you must be registered for the course to be added to the web site.
c.  Please check the course website or your UIC email often for important announcements.

Classroom Policies/Procedures:

a.  Student Conduct:

Each student is responsible for adhering to the Code of Student Conduct as stated in the college catalog. Students are expected to demonstrate mature and appropriate behavior when interacting with each other, with the professor, and with the teaching assistants. Any student being disruptive during class or during an office hour will be asked to leave.

b.  Attendance:

While attendance is not taken during lecture students are required to attend each class. If it is necessary to miss a class it is the student's responsibility to contact the instructor to find out what material was missed. **Late registration will not excuse missed assignments. All late penalties will still apply.**

c.  Withdrawal:

A student who does not withdraw officially from a course may receive a grade of "F", depending on course progress or course attendance, which will become a part of the student's permanent record. **March 20, 2015** is the last day to drop a course(s) offered by all colleges.
d. **Cheating and Plagiarism:**

Any student caught cheating on an exam, modified mastering microbiology assignment, or any other class assignment will be immediately dismissed from the course and given a final grade of "F" regardless of the student's total points in the course. Failure to return your exam question booklet will be considered cheating and will result in a zero for the exam. **Writing your answers on the exam question booklet large enough for others to see will be considered cheating and will result in a zero for the exam.** Only registered students are able to take the exam. **Your UIC photo ID will be checked on exam dates.** You will be given an **assigned seat to take your exam** in so please take care to study the exam-seating chart that will be made available soon after the last day to add classes in the semester. Students who are not registered for the course and who attempt to take the exam will be considered in breach of academic integrity and dealt with accordingly.

e. **Cellular Phones and Computers:**

Students and college visitors may not use and must silence cell phones, pagers, and other communication devices in all instructional areas that include: all labs and classrooms during instructional sessions unless using the learning catalytics program. Continued disruption of the course will result in a cessation of the lecture and students will be required to learn the missed content on their own. Computers must be used for note taking and learning catalytics only.

f. **E-mail Policy:**

Due to the large numbers of students that I teach it is important that you follow this email policy or you may not receive an answer to your question. I will only read on respond to email send through your **UIC email** account. You must have your **course and section number in the subject line** of the email so that I know exactly which class you are in. You must have your **full name as it appears in blackboard** in your email message. Failure to follow this policy may lead to your email and questions being deleted and not answered.

g. **Disability statement:**

Students with disabilities must inform the instructor of the need for accommodations. Those who require accommodations for access and participation in this course must be registered with the Disability Resource Center and present the instructor with their written accommodation request before accommodations can be granted. Please contact ODS at 312/413-2183 (voice) or 312/413-0123 (TTY).

**Grading Policies / Procedures**

a. **Exams:**

There are three exams for the course worth 100 points each consisting of 30 multiple-choice questions and two short answer questions. **There is no cumulative final exam for the course.** You are required to bring several sharpened number 2 pencils to each exam and are not allowed to leave the classroom once the exam begins. The date for each exam is posted in the course calendar in blackboard. Students who arrive late for an exam will **not** be given additional time to complete the exam. **If the TA cannot read your handwriting on the short answer question you will be given zero points for that question.** Failure to fill in your name on either the computer sheet or the exam booklet will result in a 5-point
deduction from your exam score. This includes a failure to fill in the bubbles for your name properly. Failure to sit in your assigned seat on exam day will result in a five-point deduction from your exam score.

Exams cannot be made up nor can they be taken early. If I am contacted before the exam and the student has a valid emergency or reason for missing (car accident with police report turned in, hospitalization with documentation, death in the family with documentation, professional exam interview with documentation) I will average the two exams that you did complete and use that score to replace the missing exam. This can only be done one time; a second missing exam will be counted as a zero.

b. Modified Mastering Microbiology Assignments

There will be a variety of modified mastering microbiology assignments worth a total of 120 points. These assignments enrich the student’s learning by allowing for completion of course content outside of lecture. These assignments can be linked to in the Modified Mastering area of our blackboard site. The access code for the site came with the purchase of a new textbook package from the UIC bookstore. Information on how to access the site is found in the course information area of the blackboard website.

The assignments must be completed by the due date and late mastering assignments will be reduced by 50% and must be completed before the last day of instruction, May 1st. All the questions for each assignment do not need to be completed at the same time, however this is not something that can easily be completed in a half hour so plan accordingly.

If you have never used the mastering feature in another class and need help learning how to access and complete the assignments please contact the instructor for help as soon as possible.

c. Frontline Video Assignments

There will be two Frontline Video Assignments each worth 10 points. You will be required to view two Frontline documentaries and participate in a discussion through the blackboard website. You will need to post one original posting of at least 300 words in length with three resources to back up your views along with two peer responses giving your classmates substantial feedback on their postings. Each peer review must be at least 100 words in length. See the Frontline Video assignment area of blackboard for the link to the documentary and what the discussion topics for each video will be. The assignments must be completed by the due date and late Frontline video assignments will be reduced by 50% and must be completed within one week of the original due date or a zero will be given.

d. Learning Catalytics

Students will be using their own Internet accessing device (smart phone, iPod, tablet, or laptop computer) to answer questions during lecture using the learning catalytics program. If you do not have access to an Internet device you will need to answer the question on paper and turn it in with your full name, section number, and date on it.

Questions may or may not be asked during each lecture period. Full credit of 20 points will be given for participating twenty times. Participation above the twenty times will count as extra credit points.
If at any time you cannot connect to the Internet or learning catalytics it is the student’s responsibility to turn in their answer on paper (answer, name, section number, and date).

e. **Grading Policy:**

Grade determination is based on the number of points earned compared to the maximum number of points possible which is 460 points. Determination of the final grade will be based on accumulation of total points. The following grading scale will be used:

- 90% or above of Points = A Final Grade
- 80% to 89.9% of Points = B Final Grade
- 70% to 79.9% of Points = C Final Grade
- 60% to 69.9% of Points = D Final Grade
- 59.9% of Points and below = F Final Grade.

The course will not be curved and grades are **NOT** negotiable.

f. **Incomplete:**

An incomplete grade will be given only in cases of documented prolonged illness or an accident/death in the family during the last few weeks of the semester that prevents a student from completing their work. Students must have been making **satisfactory progress** (a C or higher) in the course prior to requesting an incomplete. A request for an incomplete must be made **before** the end of the semester. An incomplete grade will not be given due to missing exam or homework scores or to prevent a low grade.

**Course Schedule of Due Dates**

The course calendar with your entire due dates is found in the blackboard site and is subject to change based on the level of difficulty and nature of the subject matter. You will be advised of any changes made during the semester in class and through a blackboard announcement.