

# BIOLOGY 2401 - MICROBIOLOGY

University of Arkansas at Little Rock  
Section 990, Spring 2012 Syllabus  
Lecture & Lab are Web-based

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## Class Text:

1. *Microbiology: Principles and Explorations*. (2008) Jacquelyn G. Black (7<sup>th</sup> Edition) ISBN: 978-0470107485
2. *Microbiology: A Laboratory Manual* (9<sup>th</sup> Edition). (2010) James Cappuccino and Natalie Sherman. ISBN: 978-032165-1334

## Class Prerequisites:

1. Principles of Biological Science (1401 or 1400) **or** Human Anatomy and Physiology (1411 and 1412)
2. Fundamental Chemistry (1400) **or** General Chemistry 1 (1402)

**Office Hours:** The best way to contact me is by e-mail in blackboard. I will also occasionally be online and can hold class discussions in the blackboard chat room. I have also posted a discussion board topic entitled "post any questions you have here". If you have a question that may apply to the entire class, please do post it here instead of sending me an e-mail.

## Equipment and Software:

1. You will need a good computer system to participate in this online class. On the Blackboard Homepage for this course you will find a student orientation icon. Go through the orientation as it will explain what you need and how to get any updates if you need them.
2. You will need to follow the instructions in the orientation module for downloading Lockdown Browser. Lockdown browser must be used for all quizzes and exams that you take. Please only use this browser when you are ready to take the test or quiz and use your normal browser at all other times that you are logged into blackboard to avoid issues that may interfere with your ability to view the files in the module.
3. You will need to configure your computer to view the WIMBA based lectures. I will have lecture videos available to you for each chapter that we cover. It is essential that you are able to view these videos.

## Tech Support

UALR has a Computing Services Department that can assist UALR students with their computer needs. They maintain a [Computer lab](#) in the Library Lab, Room 104 and an [ADA Lab](#), located inside the Library Lab, for students that require adaptive technologies. Also, if you are having Blackboard software issues, email [bbhelp@ualr.edu](mailto:bbhelp@ualr.edu) for help. You can also try calling this number for assistance: 501-626-3318. I have posted a Tech support module on the course main page

## Some helpful information:

1. As an online course, it is important that you stay motivated and attentive to the deadlines explained here in the syllabus. We will be covering 23 chapters of your text book plus accompanying lab experiments. It is imperative that you keep up with all of the lectures and assigned reading. Plan to dedicate a minimum of 4 hours per module for reading, studying, listening to lectures, writing lab reports, and taking the quiz or exam. You have a quiz on each chapter due by midnight of the day that the chapter is assigned. See the lecture and lab schedule on the next page.
2. Although this is a web-based course, it is imperative that you understand that you still do have deadlines to meet during the semester. Each week you will have chapters to read, lecture videos to watch, lab exercises to complete, and assessments or quizzes to take. Each assignment must be turned in by the deadline – **late work will not be accepted**. This policy is in place so that you can stay on track and learn the most from the course material.
3. You will gain the most from the lectures if you print out the PDF version of the slides and take notes while listening to the lecture.
4. Although your exams are technically open-book, as you will be taking them on your own, they are timed and you will not have sufficient time to flip through your notes or book to answer the questions. You will need to study the material to pass the tests.
5. Pay close attention to the due dates detailed below. You have 24 hour period in which you can login to take the exam. There are **NO** makeup exams offered, **NO exceptions**. Likewise – all quizzes and labs submitted after the deadline will **NOT** be accepted. The general rule is that the quiz and lab report for each module is due by midnight on the day of the module assignment.
6. I will make all modules, including labs and quizzes available for you to take at the beginning of the semester. You may work ahead on modules if you wish – but you can only take the main exams on the specific date that it is open (see calendar). You will not be able to see the results of your quizzes or lab reports until the due date has passed.
7. You have only one chance to take any of the quizzes or exams (they can not be repeated). Also, quiz and exam questions can only be seen once. In other words, once you submit and save your answer, you can go to the next question, but you can not return to any previous questions to change your answers.
8. You will need to follow the instructions detailed in the orientation module on the installation of lockdown browser. All quizzes and test will be taken under the lockdown browser. Please be aware that computer errors do occur sometimes and your computer may lock you out of your test or quiz as you are taking it. If this happens, notify me immediately

through blackboard email and I can reset your test. Do not wait until the last hours of exam availability to take your exam in order to avoid these problems and get your test in before the deadline.

### Exams and Grading:

<u>EXAMS/ASSIGNMENTS</u>	<u>% of Grade</u>
lecture exams	35%
lecture quizzes	20%
lab reports	20%
lab exams	20%
Identification of unknown organisms lab report	<u>5%</u>
Total:	100%

### \*\* Bonus opportunities:

1) I will award up to 3 percentage points on your final grade for a typed essay report on a current event involving **microbiology**. It should be double spaced, and in 11 pt. Arial font. The report will need to be at least 2,000 words and include appropriate citations and a bibliography with at least 2 references (the bibliography is not counted in the total word count). The number of points you receive will depend on the quality of the report. If any part of the report is plagiarized – you will receive no points! *See the instruction form posted on blackboard for more information.* This report must be emailed to me no later than **April 30<sup>th</sup>, 2012**. If interested, I suggest that you begin working on it early in the semester.

2) I have posted a folder with scientific articles related to the material that we are covering in class. You can select up to 3 of these to read and submit a summary report of the article (1 percentage point each). If you submit all 3, this will amount to an additional 3 percentage points on your final grade. Each summary report should be a minimum of 500 words long and give an overview of what experiments the authors did, what they concluded from the results, and also how this relates to what we are studying in class. These summary reports must be emailed to me no later than **April 30<sup>th</sup>, 2012**.

### Grading Scale:

A	90-100%
B	80-89%
C	70-79%
D	60-69%
F	0-59%

**STUDENTS WITH DISABILITIES:** It is the policy of UALR to create inclusive learning environments. If there are aspects of the instruction or design of this course that results in barriers to your inclusion or to accurate assessment of achievement – such as time limited exams, inaccessible web content, or the use of non-captioned videos – please notify me as soon as possible. Students are also welcome to contact the Disability Resource Center, Tel: 501-569-3143. For more information, visit the DRC website at <http://ualr.edu/disability/>.

### Academic Dishonesty Policy

I have a ZERO tolerance policy on academic dishonesty and plagiarism. I do check all written assignments with software that tests for plagiarism. If you plagiarize, you will get a grade of 0 on the assignment and the case will be presented to the Dean's office for review. Read the UALR student handbook for the University policy on this matter.

### Make Up Exams:

There will not be opportunities to make-up exams without permission on a case by case basis. Exams will be open over a 24 hour period. Therefore, you need to plan you schedule accordingly.

### Incompletes:

The College of Science and Mathematics allows an incomplete grade only in a situation where there is reasonable cause such as an illness that prevents the student from completing all assigned material. In all cases, the student must sign a contract that stipulates the material to be completed and the schedule for completion. UALR allows only 90 days for the completion of incompletes after which time the grade is automatically assigned an "F".

### Dropping Test or Term Paper Scores:

No exam or assignment will be dropped.

### QUIZ and EXAM DATES

Each chapter covered in the lecture will have a short quiz. You must take the quiz by midnight on the day that the chapter is assigned. This is to encourage you to do your daily reading and listen to the lecture every day. For example, Chapter 1 (Scope and History of Microbiology) is listed in the lecture schedule for **January 19<sup>th</sup>**. You have until midnight on **January 19<sup>th</sup>** to take the online quiz. After that time, the quiz will no longer be accessible to you on blackboard. You will have 5 lecture exams and 3 lab exams.

**Identification of unknown organism** – Due before midnight **May 3<sup>rd</sup>** (can turn in earlier if you wish), worth 5% of your final grade. In addition to your lab reports which must be turned in with each lab experiment completed, you will also be emailed a set of data on an unknown organism at the beginning of the semester. By the end of the class, using the tools we learned in lab as well as the bacterial keys that I will post and other internet resources, you will write a report in which you will identify the name of your unknown organism.

## Overview of Course Schedule

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1/15	1/16	1/17 Classes Begin <b>Orientation</b>	1/18	1/19 <b>Module 1</b>	1/20	1/21
1/22	1/23	1/24 <b>Module 2</b>	1/25	1/26 <b>Module 3</b>	1/27	1/28
1/29	1/30	1/31 <b>Module 4</b>	2/1	2/2 <b>Module 5</b>	2/3	2/4
2/5	2/6	2/7 <b>Lecture Exam 1</b>	2/8	2/9 <b>Module 6</b>	2/10	2/11
2/12	2/13	2/14 <b>Module 7</b>	2/15	2/16 <b>Lab Exam 1</b>	2/17	2/18
2/19	2/20	2/21 <b>Module 8</b>	2/22	2/23 <b>Module 9</b>	2/24	2/25
2/26	2/27	2/28 <b>Module 10</b>	2/29	3/1 <b>Lecture Exam 2</b>	3/2	3/3
3/4	3/5	3/6 <b>Module 11</b>	3/7	3/8 <b>Module 12</b>	3/9	3/10
3/11	3/12	3/13 <b>Module 13</b>	3/14	3/15 <b>Module 14</b>	3/16	3/17
3/18	3/19 <i>spring break – no class</i>	3/20 <i>spring break – no class</i>	3/21 <i>spring break – no class</i>	3/22 <i>spring break – no class</i>	3/23 <i>spring break – no class</i>	3/24
3/25	3/26	3/27 <b>Lecture Exam 3</b>	3/28	3/29 <b>Module 15</b>	3/30	3/31
4/1	4/2	4/3 <b>Module 16</b>	4/4	4/5 <b>Lab Exam 2</b>	4/6	4/7
4/8	4/9	4/10 <b>Module 17</b>	4/11	4/12 <b>Module 18</b>	4/13	4/14
4/15	4/16 Last Day to Drop an Individual Class	4/17 <b>Module 19</b>	4/18	4/19 <b>Lecture Exam 4</b>	4/20	4/21
4/22	4/23	4/24 <b>Module 20</b>	4/25	4/26 <b>Module 21</b>	4/27	4/28
4/29	4/30 <b>Bonus Reports Due</b>	5/1 <b>Module 22</b>	5/2	5/3 <b>Module 23 Unknown Organism Report Due</b>	5/4	5/5
5/6	5/7 *Last Day of Classes *Last Day to Withdraw from All Classes	5/8 <b>Lecture Exam 5</b>	5/9	5/10 <b>Lab Exam 3</b>	5/11	5/12
5/13	5/14	5/15	5/16	5/17 Final Grades Due at noon		