

General Microbiology- Biol 207 Syllabus (5 pages) — Summer 2021

Instructor:

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General Education Course Content and Learning Outcomes: Biol-207 fulfills the D.1. (Science/Mathematics) general education requirement. In addition, this course is a requirement for some degree programs such as nursing, pre-pharmacy, pre-veterinary medicine, and others. Please check your degree program and with your advisor to make certain that this course fulfills your degree requirements. This course will help you attain the following general education goal and its corresponding outcomes:

“Use the scientific perspective to gain basic understanding of the natural and physical world and the relevance of science issues of personal and public importance”

More specifically, successful completion of this course provides you skills to

- *Demonstrate the understanding of the methods of scientific inquiry*
- *Explain fundamental principles or concept of microbiology*
- *Gain an understanding of bacteria, viruses and other microbes and their interaction with human lives*
- *Apply scientific principles to interpret and make predictions in the areas of human health and environment*
- *Explain how scientific principles relate to issues of personal and/or public importance*

Required:

- **E-text: Microbiology Fundamentals: A clinical approach by Cowan (with Bunn and Herzog). ISBN: 978-0-07-340235-2**
- **READ BEFORE PURCHASING TEXTBOOK**

The Biology Department at WKU has worked over the past year to develop a new model for textbook adoption. In order to save you some money, maximize your effective use of your textbook, increase learning and evaluate the best ways of teaching you difficult topics, we have entered into a partnership with McGraw-Hill publishers. By enrolling in this course, you agree to purchase the digital materials associated with this course. These materials include access to Connect, LearnSmart practice module and a downloadable e-copy of the textbook, which is yours to keep, and the option to print a gray-scale copy of your textbook at greatly reduced cost. In order to make these savings available to you, WKU must institutionalize the purchasing process. As a result, about two weeks into the semester, you will be billed the cost of the materials for the course. The nice thing about this is that you will have access to all the course materials from day one, without doing a thing! You should note that for this course, you **WILL** be charged for the digital materials. **Do NOT buy a copy of the book from online or local vendors. ONLY the digital format will be used in this course.**

TOPICS & ACTIVITIES (TENTATIVE)

Week	Chapter title	Chapter Reading/Posted PPT	Assignments
May10 MODULE-1	Intro to Microbes-----Building Blocks Prokaryotic Structure----- Eukaryotic Structure Viral Structure-----Life Cycles Microbial Nutrition-----Growth Exam-1	Chapter 1; PPT presentation 1 Chapter 3, 4; PPT presentation 2 Chapter 5; PPT presentation 3 Chapter 6; PPT presentation Exam-1	LearnSmart Assign 1 LearnSmart Assign 2 LearnSmart Assign 3 LearnSmart Assign 4 Exam-1
MODULE-2	Microbial Metabolism Microbial Genetics ----- Genetic Engineering Physical and Chemical Control of Microbes Interaction ----- Microbes and Humans EXAM-2	Chapter 7; PPT presentation 5 Chapter 8; PPT presentation 6 Chapter 9; PPT presentation 7 Chapter 11; PPT presentation 8 EXAM-2	LearnSmart Assign 5 LearnSmart Assign 6 LearnSmart Assign 7 LearnSmart Assign 8 EXAM-2
MODULE-3	Host Defenses INFECTIOUS DISEASES Respiratory Diseases Gastrointestinal Diseases Sexually Transmitted Diseases Infectious Diseases- Miscellaneous topics	Chapter 12-13 PPT presentation 9 Chapter 19; PPT presentation 10 Chapter 20; PPT presentation 11 Chapter 21 PPT presentation 12 Selected conditions from Chapters 16-18	LearnSmart Assign 9 LearnSmart Assign 10 LearnSmart Assign 11 LearnSmart Assign 12 LearnSmart Assign 13
June 4-5	Final Exam-3	Final Exam-3	Final Exam-3

Blackboard familiarity: Students are required to be familiar with blackboard functions as course materials and the tests/assignments (except final) will be administered through Blackboard. Visit <http://www.wku.edu/it/blackboard/> for help.

Expectations & Academic integrity

You are expected to read book chapters and PPT slides every day. I must recommend you to do Learn Smart assignments before a chapter reading. It will be then easier for you to understand Chapter/PPT materials. Chapters are voluminous, therefore, PPT slides will guide you what to focus. Materials covered on PPT slides will be mainly included in tests. You are not expected to seek help from any sources while taking midterms (midterms are close-book, timed-tests). Seeking internet help during these tests will be considered a violation of the academic integrity.

Blackboard Discussion: You are encouraged to join the Discussion forum floated by me. This is a Blackboard platform where you can post your questions with regard to materials or class dynamics. You are also encouraged to answer peer questions/concerns, if you can answer. I will answer your questions regularly.

Withdrawals: There are deadlines for the withdrawal. To withdraw from the course, adhere to the *Tuition and Fee Refund Policy of WKU*. You may not drop or withdraw from the class after the designated time. It is YOUR responsibility to drop the class. Do NOT assume that I will do this for you.

Disabilities

“Students with disabilities who require accommodations (academic adjustments and/or auxiliary aid or services) for this course must contact the Office for Student Disability Services, Room 445, Potter Hall. The OFSDS telephone number is (270) 745-5004 V/TDD/ Please DO NOT request accommodations directly from the professor or instructor without a letter of accommodation from the Office for Student Disability Services”

Sexual Misconduct/Assault Policy: Western Kentucky University (WKU) is committed to supporting faculty, staff and students by upholding WKU’s Title IX Sexual Misconduct/Assault Policy (#0.2070) at <https://wku.edu/eoo/documents/titleix/wkutitleixpolicyandgrievanceprocedure.pdf> and Discrimination and Harassment Policy (#0.2040) at https://wku.edu/policies/hr_policies/2040_discrimination_harassment_policy.pdf.

ALL EXAMS WILL BE CONDUCTED ONLINE THROUGH BLACKBOARD. SCHEDULES WILL BE NOTIFIED BY BLACKBOARD ANNOUNCEMENTS

EXAM-1 (100 PT) + EXAM-2 (100 PT) + EXAM-3 (100 PT) + LEARNSMART ASSIGNMENTS (100 PT) - TOTAL = 400 PT (STANDARD GRADING SCALE: A=90%; B==80%; C=70%; D=60%)

FOLLOW THE following INSTRUCTIONS TO REGISTER FOR “McGraw Hill Connect”

How to Register for Connect:

1. **CLICK TOOLS on BLACKBOARD COURSE SITE MENU FOR McGraw Hills Higher Education link. THIS LINK TAKES YOU TO "GO TO MY CONNECT SECTION- Biol (207) - Summer2021"**
2. **Click on REGISTER NOW**
 - Student registration tutorials are available if you need help.
3. **Enter your email address**
4. **Your E. Mail is your access code**
5. **Next, you will need to fill out the registration form.**
 - Click on "Go To Connect Now" to complete your registration and continue to your instructor's course.
6. **You are now at your instructor's course.**
 - This is where you can access your assignments and study resources.
7. **To Return to Connect**
 - Go to the web address provided to you by your instructor. Again, you'll want to bookmark it to save time.
 - Once on the Connect homepage, enter your email address and password.

Please visit the [Student Registration Tutorial](#) for additional registration information.

If you need help or have any questions about Connect, you can visit our Customer Experience support center:

- Customer Support
 - [Visit our 24-hour online support site.](#)
 - Canadian customers, please visit our dedicated [Canadian online support site.](#)
 - Call us at 800-331-5094
 - Sunday: 6pm to 11pm (Central Time)
 - Monday – Thursday: 8am to 11pm (Central Time)
 - Friday: 8am to 6pm (Central Time)
 - Online Tutorials: <http://www.connectstudentsuccess.com>

COURSE NAVIGATION: WHERE TO GET WHAT

- 1) READ SYLLABUS FOR COURSE TOPICS AND EXAM POLICY
- 2) READ COURSE SCHEDULES FOR COURSE TIME LINE
- 3) FIND PPT PRESENTATIONS UNDER Blackboard COURSE CONTENT
- 4) CLICK TESTS & QUIZZES FOR LEARNSMART ASSIGNMENTS & MIDTERMS
- 5) CHECK ANNOUNCEMENT FOR ASSIGNMENTS OR EXAMS
- 6) REGISTER WITH TESTING CENTERS IN ADVANCE FOR FINAL
- 7) CHECK INSTRUCTOR INFO FOR INSTRUCTOR'S OFFICE TIME
- 8) JOIN BLACKBOARD DISCUSSION FORUM FOR QUESTIONS/CONCERNS
- 9) FOLLOW THE BLACKBOARD ANNOUNCEMENTS FOR THE SCHEDULE OF EXAMS
- 10) Follow instructions to Register for McGraw Hill Digital Package/Connect as above.