MCB 300 – Fall 2022 Syllabus

Course Website: http://www.life.illinois.edu/mcb/300

When: MWF 9:00 – 9:50 am

Where: 4029 Campus Instructional Facility

CRN: 38684

GENERAL DESCRIPTION OF MCB 300

Emphasizes fundamental concepts of microbiology, including nutrition, physiology, genetics, molecular biology, ecology and evolution of microorganisms, and their role in nature, human health and disease.

PRE-REQUISITES

MCB 250 and credit or concurrent registration in MCB 252 or consent of instructor.

Credit is not given for both MCB 300 and MCB 100.
Instructors

First 20 Lectures
Dr. Cari Vanderpool
C226 CLSL
(217)333-7033
cvanderp@illinois.edu

Second 20 Lectures
Dr. Steven Blanke
302 Burrill Hall
(217) 244-2412
sblanke@illinois.edu

Virtual Office Hours: Fridays, 9:00 am – 9:50 am by Zoom
Join Zoom Meeting
https://illinois.zoom.us/j/5614774714?pwd=SnJxZU5YNjEwtd1h1K1p1Y09INDFQUT09
Meeting ID: 561 477 4714
Password: 915830
(or by appointment)

Course Coordinator

Renee Alt
232A Burrill Hall
(217) 333-4306
rlalt@illinois.edu
Office Hours: By appointment only

Any questions about policies, LON-CAPA, enrollment, etc. should be emailed to the course coordinator. Please include your name and the course number for which you have a question (the coordinator works with multiple courses). When in doubt about directing a question, email the coordinator first and they will assist you.

Teaching Assistant

Anubhav Basu
anubhav9@illinois.edu
Virtual Office Hours: Thursdays 2-3pm in Zoom
Link:
https://illinois.zoom.us/j/88192024265?pwd=WFFuaVdMc1FxMWE1MFI2SXk0eFNzUT09
Learning Outcomes
MCB 300

At the end of the course, through assignments, discussions, activities and assessments, students will be able to:

• Appreciate the tremendous diversity of the microbial world, in all its glory.
• Describe and contrast the cell structures and physiology of members of all 3 domains, the Bacteria, the Archaea, and the Eukarya.
• Explicate how microbes generate energy and synthesize the biomolecules needed for both cell structure and work through metabolic homeostasis.
• Provide details of how microbes regulate their metabolism and all functions required for life.
• Recognize why microbial diversity is important, and how diversity is achieved through evolution.
• Expound upon the importance of viruses in driving evolution.
• Wax poetic about the complexity of microbial community structures and how members of these communities work together to provide novel biological functionality.
• Give examples of how the human microbiome profoundly affects human health and disease.
• Communicate the basic nature and dynamics of infectious diseases at the public health level
• Discuss the evolution of virulence.
• Present experimental strategies to identify pathogenic microbes responsible for causing disease.
• Explain and provide examples of virulence strategies associated with pathogenic microbes.
• Compare and contrast virulence strategies and diseases caused by bacteria, viruses, and pathogenic eukaryotes.
• Talk about next-generation strategies for combatting antimicrobial treatments
• Convince your grandparents about the importance of vaccination for public health.
Textbook

The textbook for this course is *Brock: Biology of Microorganisms* by Madigan, Martinko, Stahl and Clark, Pearson Education, Inc., 2021 (16th edition). E-book versions (web or downloadable) can be purchased from the publisher (www.mypearsonstore.com) for less than the price of the hardcover version. A copy of the textbook is also on reserve at the Undergraduate Library and the Learning Center (101 Burrill Hall). **Note: Although all material on exams will be covered in lecture, the textbook is strongly recommended reading for enhanced understanding of the course material.**

Course Policies:

All students are assumed to have read and understood the “Code of Policies and Regulations Applying to All Students,” University of Illinois, and will be expected to act accordingly. The Code is available online at: [http://www.admin.uiuc.edu/policy/code/index.html](http://www.admin.uiuc.edu/policy/code/index.html)

Disabilities and Religious Observances:

Please contact the course coordinator during the first week of classes to make requests for disability accommodations or observation of religious holidays.
Overall MCB 300 Class Structure

MCB 300 in Spring, 2022 will have a blended course structure:

(A) Asynchronous pre-recorded lecture videos on course content. There will be 40 pre-recorded lectures, generally 40-50 minutes long, which can be downloaded at any time after release on the MCB 300 Website.

(B) In Person/Synchronous class time.

During each scheduled class time (9:00 – 9:50 am, MWF), there will in-person meetings (Monday and Wednesday), according to distributed attendance (see below) or virtual office hours (Friday). The purpose of this in-class time is to augment and provide additional clarity to the course content delivered in pre-recorded lectures. **NOTE: There will not be any additional course material presented during in-class sessions. All the material that you will be responsible for during course assessments will be contained in pre-recorded lectures.**

Distributed attendance: To generate smaller discussion sections, each student will be assigned a group, either 1 or 2, and will attend in-person class sessions only once per week. Please note that in-person class attendance is mandatory and is worth 36 points out of a total of 1000 points available in the course. Synchronous, in-person class time will be mandatory during weeks 1, 2, 4, 6, 7, 9, 10, 11, 13, 15, 16 (see course schedule).

- **GROUP 1:** Last names A-L. Group 1 students are required to attend class only on Mondays.
- **GROUP 2:** Last names M-Z. Group 2 students are required to attend class only on Wednesdays.

**Learning opportunities during in-person class sessions:**

- **30-40 minutes** (combination of 1 or more of the following)
  - Videos selected to augment learning material presented in pre-recorded class lectures
    - TED Talks
    - Howard Hughes Medical Institute
    - National Institutes of Health
  - Class discussion
    - PackBack “questions of the week”
    - current topics
  - Careers development tools and resources
  - Small-group Homework Sessions
    - Small groups of students may work together on open homework assignments
- **10-20 minutes**
  - Open office hours (Q & A)
ASSESSMENTS: Grading Policies

Basis for Course Grades:

Plus and minus letter grades will be used for semester grades.

The Grading Scale is as follows:

A+  960-1001  C+  720-759
A   920-959   C   680-719
A-  880-919   C-  640-679
B+  840-879   D+  600-639
B   800-839   D   560-599
B-  760-799   D-  520-559
F   less than 520

All point totals are estimates and may be altered slightly throughout the course of the semester. The point totals contained in the table represent the use of the plus/minus grading system coupled with a 4.0 grade point system. The University has assigned the grade point values shown for each letter grade. Students who earn the points shown (out of 1000 possible points) will be guaranteed the indicated letter grade. At semester's end, after the final exam, the faculty will analyze the course grade distribution, and may decrease, but will not increase the points needed for each grade.

Point distribution:
A.   3 exams 75 points each (no drops) 225 points possible
B.   1 final exam 75 points each (no drops) 75 points possible
C.   8 home-works 40 points each (2 drops) 240 points possible
D.  12 Packback assignments 20 points each (2 drops) 200 points possible
E.  35 Lecture Refresher Micro-Quizzes 6 points each (5 drops) 180 points possible
F.  11 weeks of in-class participation points 10 points each (3 drops) 80 points possible

TOTAL POINTS 1000 points
DESCRIPTION OF COURSE ASSESSMENTS

Exams

Four exams will be administered over the course of the semester, each covering 10 lectures. While the exams are NOT cumulative, it should be understood that material within each module of the course builds upon materials covered earlier in the semester. Exams will not be administered during the assigned class time (i.e., 9:00 – 9:50 am). See the course schedule for days/times of the exams.

In general, you will be responsible for any material covered, either spoken or written, in the recorded lecture. This includes a broad understanding of material covered in external videos, whose URLs are embedded within the recorded lectures. In addition, exam material may include questions from homework or the Lecture Refreshers Micro-quizzes. Occasionally, questions that are highlighted within Packback assignments, may also be used on exams.

Homework

There will be 8 homework assignments worth 40 points each. The lowest 2 homework scores may be dropped.

Each homework (worth 40 points total) will be composed of 12 multiple choice questions (2 points each, for a total of 24 points) and one or more short answer questions (16 points total). The lectures covered by each homework assignment can be found in the course calendar. Homework assignments will open at 10 am and close at 9 am on the dates indicated in the course calendar. **Homeworks will be completed in LON-CAPA (please see instructions for LON-CAPA below if you are not familiar with the system). Note: No make-up home-works will be given.**

Please make sure that you are able to access LON-CAPA in advance of your first homework. If you have problems please contact Renee Alt for assistance.

Packback

Participation is a requirement for this course, and the Packback Questions platform will be used for online discussion about class topics. Packback Questions is an online community where you can be fearlessly curious and ask open-ended questions to build on what we are covering in class and relate topics to real-world applications.

**Packback Requirements:**

Your participation on Packback will count toward 20% of your overall course grade. There will be 12 Packback assignments administered over the course of the semester,
and due dates are indicated in the course calendar. Your 2 lowest grades, including any missed assignments, will be dropped.

There will be Weekly Thursday at 11:59 pm Central Time (CT) and Weekly Saturday at 11:59 pm CT deadline for submissions. In order to receive full credit, you should submit the following per each deadline period:

- An original question (worth 10 points), due on the specified Thursdays at 11:59 pm, pertaining to material covered in the specified lectures.
- Original answers to two questions (5 points each) submitted by other students, due on the specified Saturdays at 11:59 pm

How to Register on Packback:
An email invitation will be sent to you from help@packback.co prompting you to finish registration. If you don’t receive an email (be sure to check your spam), you may register by following the instructions below:

1. Create an account by navigating to https://questions.packback.co and clicking “Sign up for an Account”
   Note: If you already have an account on Packback you can log in with your credentials.

2. Then enter our class community’s lookup key into the “Looking to join a community you don’t see here?” section in Packback at the bottom of the homepage.
   Community Lookup Key: 7796be97-6757-45ad-9b61-ddd299fea10d

3. Follow the instructions on your screen to finish your registration.

Packback may require a paid subscription. Refer to www.packback.co/product/pricing for more information.

How to Get Help from the Packback Team:
If you have any questions or concerns about Packback throughout the semester, please read their FAQ at help.packback.co. If you need more help, contact their customer support team directly at help@packback.co.

For a brief introduction to Packback Questions and why we are using it in class, watch this video: vimeo.com/packback/Welcome-to-Packback-Questions

Here are some additional videos to help you learn how to use Packback effectively:

The Curiosity Score
How to check my grades
How to get help from Packback
How to ask a question

You can also consult with the TA (Anubhav Basu) for questions about PackBack.

Lecture Refresher Micro-Quizzes

35 Lecture Refresher Micro-Quizzes will be administered during the semester, as indicated in the course calendar. Each Lecture Refresher Micro-Quiz will be worth 6 points total, and will be comprised of 1, 2, 3, or 6 questions covering the material from a single lecture, which will be due at 9:00 am on the morning of the following lecture. For example, your Micro-quiz for Lecture 1 on Lon Capa will be available at 10:00 am on Monday, August 22, 2022, and will be due at 9:00 am on Friday morning, August 24, 2022. Your 5 lowest Lecture Refresher Quiz grades will be dropped, and there will NOT be an opportunity to “make-up” missed quizzes.

Assessment Policies: Re-grades

If you believe that an answer was improperly graded on an exam or quiz you must fill out a copy of the "Request for Re-grade" form available on the "Forms" link on the course web site. This form must be completed and is electronically sent to Renee Alt. Please note: you do not need to hand in the original assignment.

All requests for re-grades must be made within one week of the day that the graded paper was returned. Due dates for re-grades can be found under the "Regrade Due Dates" link on the website. The grader has the option to leave the score as is and comment further on the answer in question, accept the argument presented and award additional points or lower the original score if he/she finds additional mistakes that were missed during the first round of grading. The paper will be re-evaluated and returned to you within one week of its submission.

Final exams will not be returned to the student and will remain the property of the course, nor will answer keys be posted or made available in any way. Students may make an appointment with Renee Alt in order to view the final but it will stay in the procession of MCB staff. Final exams will not be subject to the MCB 300 regrade procedure, concerns should be directed to Renee Alt.

Learning Management System for MCB 300: LON-CAPA Information

The MCB 300 Website contains a direct link to the LON-CAPA website (http://www.lon-capa.uiuc.edu) and the login page. Students accessing the LON-CAPA network for the completion of homeworks must first log into this site. Detailed Access Instructions can be found there and part of it is reproduced below:
Welcome to LON-CAPA at UIUC! We will be using LON-CAPA, or Lecture Online Network with Computer-Assisted Personalized Approach, in your MCB course. The software was officially piloted in MCB during the Spring 2005. The program itself is a combination of learning assessment tools with course management capabilities. You will be using LON-CAPA this semester to access and complete MCB 300 homework, exams, and Lecture-Refresher quizzes.

**Access Instructions:** In order to log into LON-CAPA you must have a username and a password. Your username is your UIUC NetID (the first part of your University email address). The password for LON-CAPA will have to be established by setting up an Active Directory (AD) password through CITES. To set up your Active Directory password visit the following site: [http://www.ad.uiuc.edu/accounts.aspx](http://www.ad.uiuc.edu/accounts.aspx).

Click on the Change PASSWORD box to set up your password if you haven't already used Active Directory, then select the CITES Passwords box. You will then need to enter your NetID and NetID password. When setting the password be certain that ONLY the box for AD password is checked. Uncheck the other password boxes. Set up your Active Directory password (please make a note of it to avoid forgetting it later!). Also note that if you have used the AD password in previous semesters, like in other LON-CAPA courses or for WebCT, it is a good idea to change your password for security concerns.

Once you have created an AD password go to the LON-CAPA website at: [www.lon-capap.uiuc.edu](http://www.lon-capap.uiuc.edu). This log in page will ask you to enter your LON-CAPA username (your UIUC NetID) and password (CITES AD password you created). The domain, uiuc is already filled in for you. After successful login, you will get to a screen with your currently available courses and roles, for example student in MCB 300. Select the course you would like to access. Once you have logged in you can access any of the LON-CAPA content by selecting Main Menu. Inside the course, you can access your assignments (e.g., quizzes) by selecting Navigate Contents at the top of the screen or by clicking on the icon. Clicking on the folders will display the contents within. Once you have selected a problem in a folder you can move through the folder by clicking forward and backward on the arrow buttons at the top of the screen or by going back to Navigate Contents and clicking on each link.

**Browsers:** LON-CAPA functions using all common and current web browsers, like Mozilla, Firefox, and Safari on PC and Macs, as long as JavaScript and cookies are enabled in your browser. Internet Explorer is not recommended as security boxes will pop up after each page loads. If you have problems seeing figures or getting content to load on your computers, try switching to a different web browser.

**Logging out:** Make sure you always exit LON-CAPA by either clicking on the exit link at the top right of the screen or by clicking on the exit icon under Main Menu; do not simply close the web browser! If you share a computer or use a computer lab make sure when you are in LON-CAPA you see your name at the top right of the screen.
Troubleshooting: The major cause of problems in using LON-CAPA is students being unable to login. There are two common reasons for this: a locked password or forgetting the password. If the Active Directory password has not been used in a while it is locked for security reasons. The solution to this is to go to the Active Directory website (see above) and click on the unlock ACCOUNT box. If you have forgotten your password click in the change PASSWORD box used when the account was first set up, or contact the CITES Help Desk at 244-7000, and specify you have forgotten your Active Directory password. As always when resetting the password make sure only the AD password box is checked. **Do not contact the MCB office or the LON-CAPA Support Staff for questions about forgotten passwords!** The AD passwords are handled by CITES exclusively.

If you have any problems using LON-CAPA, contact Renee Alt (rlalt@illinois.edu). If your question is about a specific issue you encounter while in LON-CAPA, please use the internal communication function, and specify your name, course, section letter, and question (include assignment number, problem number, etc., if applicable).
Week-by-Week Course Schedule: MCB 300, Fall 2022

WEEK 1

Date: Monday, August 22, 2022

Assignments Due: None

New Assignments Open:

1. Homework #1 opens at 10:00 am, Lectures 1-4, Closes at 9:00 am on Wednesday, September 7, 2022 (Lon Capa)
2. Lecture Refresher Micro-Quiz on content covered in Lecture #1 (Quiz #1/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Wednesday, August 24, 2022

Videos to Watch:

1. Course Introduction: Review of Class Information/Policies
2. Introduction to PackBack Video
3. Lecture 1: The essence of Microbiology – Setting the Table I – Stepping through the portal into the enormous world of the world’s smallest biological entities

Supportive Reading: Chapter 1, Brock Biology of Microorganisms (16th Edition)

In-Person Discussion: 9:00 – 9:50 am: Group 1 only: Attend your assigned discussion section for last names A-L in 4029 Campus Instructional Facility

Date: Wednesday, August 24, 2022

Assignments due: Lecture Refresher Micro-Quiz on Lecture #1 – due at 9:00 am (Quiz #1/35)

New Assignments Open: Lecture Refresher Micro-Quiz on content covered in Lecture #2 (Quiz #2/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Friday, August 26, 2022

Videos to Watch: Lecture 2: The essence of Microbiology – Setting the Table II

Supportive Reading: Chapter 1, Brock Biology of Microorganisms (16th Edition)

In-Person Discussion: 9:00 – 9:50 am: Group 2 only: Attend your assigned discussion section for last names M-Z in 4029 Campus Instructional Facility
Date: Friday, August 26, 2022

Assignments Due: Lecture Refresher Micro-Quiz on Lecture #2 – due at 9:00 am (Quiz #2/35)

New Assignments Open: Lecture Refresher Micro-Quiz on content covered in Lecture #3 (Quiz #3/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Monday, August 29, 2022

Videos to Watch: Lecture 3: The essence of Microbiology– Setting the Table III

Supportive Reading: Chapter 1, Brock Biology of Microorganisms (16th Edition)

Virtual Office Hours: Dr. Vanderpool and Packback Introduction: 9:00-9:50am
  Meeting ID: 561 477 4714
  Password: 915830

WEEK 2

Date: Monday, August 29, 2022

Assignments Due: Lecture Refresher Micro-Quiz on Lecture #3 – due at 9:00 am (Quiz #3/35)

New Assignments Open: Lecture Refresher Micro-Quiz on content covered in Lecture #4 (Quiz #4/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Wednesday, August 31, 2022

Videos to Watch: Lecture 4: The essence of Microbiology– Setting the Table IV

Supportive Reading: Chapter 2, Brock Biology of Microorganisms (16th Edition)

In-Person Discussion: 9:00 – 9:50 am: Group 1 only: Attend your assigned discussion section for last names M-Z in 4029 Campus Instructional Facility

Date: Wednesday, August 31, 2022

Assignments Due: Lecture Refresher Micro-Quiz on Lecture #4 – due at 9:00 am (Quiz #4/35)

New Assignments Open:
  1. Homework #2 opens at 10:00 am, Lectures 5-8, Closes at 9:00 am Wednesday, September 14, 2022 (Lon Capa)
  2. Lecture Refresher Micro-Quiz on content covered in Lecture #5 (Quiz #5/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Friday, September 2, 2022

Videos to Watch: Lecture 5: The essence of Microbiology– Setting the Table V

Supportive Reading: Chapter 2, Brock Biology of Microorganisms (16th Edition)

In-Person Discussion: 9:00 – 9:50 am: Group 2 only: Attend your assigned discussion section for last names M-Z in 4029 Campus Instructional Facility
Date: Thursday, September 1, 2022
Assignments Due: Packback 1A: Single Question stemming from Lectures 1-4 due at 11:59 pm Central Time.

Date: Friday, September 2, 2022
Assignments Due: Lecture Refresher Micro-Quiz covering material presented in Lecture #5 – due at 900 am (Quiz #5/35)
New Assignments Open: Lecture Refresher Micro-Quiz covering material presented in Lecture #6 (Quiz #6/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Wednesday, September 7, 2022
Videos to Watch: Lecture 6: The essence of Microbiology–Setting the Table VI
Supportive Reading: Chapter 2, Brock Biology of Microorganisms (16th Edition)
Virtual Office Hours: (Dr. Vanderpool) 9:00-9:50am
Meeting ID: 561 477 4714
Password: 915830

Date: Saturday, September 3, 2022
Assignments Due: Packback 1B: Responses to two questions stemming from Lectures 1-4 due at 11:59 pm Central Time

WEEK 3

Date: Monday, September 5, 2022
Labor Day-No Discussion, No Lecture or Assignments Due

Date: Wednesday, September 7, 2022
Assignments Due:
1. Homework #1, Lectures 1-4, CLOSES at 9:00 am
2. Lecture Refresher Micro-Quiz covering material presented in Lecture #6 – due at 9:00 am (Quiz #6/35)
New Assignments Open:
Lecture Refresher Micro-Quiz covering material presented in Lecture #7 (Quiz #7/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Friday, September 9, 2022
Videos to Watch: Lecture 7: The essence of Microbiology – Setting the Table VII: Replication
Supportive Reading: Chapter 6, Brock Biology of Microorganisms (16th Edition), pages 172-176.
Date: Thursday, September 8, 2022
Assignments Due: Packback 2A: Single Question inspired by the material covered in Lectures 5-7 due at 11:59 pm Central Time.

Date: Friday, September 9, 2022
Assignments Due: Lecture Refresher Micro-Quiz covering material presented in Lecture #7 – due at 9:00 am (Quiz #7/35)
New Assignments Open: Lecture Refresher Micro-Quiz covering material presented in Lecture #8 (Quiz #8/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Monday, September 12, 2022
Videos to Watch: Lecture 8: The essence of Microbiology – Setting the Table
In-Person Discussion: None
Virtual Office Hours: (Dr. Vanderpool) 9:00-9:50am
Meeting ID: 561 477 4714
Password: 915830

Date: Saturday, September 10, 2022
Assignments Due: Packback 2B: Responses to two questions stemming from Lectures 5-7 due at 11:59 pm Central time

WEEK 4

Date: Monday, September 12, 2022
Assignments Due: Lecture Refresher Micro-Quiz #8 on material covered in Lecture #8– due at 9:00 am (#8) (Quiz #8/35)
New Assignments Open: Lecture Refresher Micro-Quiz covering material presented in Lecture #9 (Quiz #9/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Wednesday, September 14, 2022
Videos to Watch: Lecture 9: The essence of Microbiology – Setting the Table IX: Metabolic Regulation Central Metabolism
Supportive Reading: Chapter 3, Brock Biology of Microorganisms (16th Edition).
In-Person Discussion: 9:00 – 9:50 am: Group 1 only: Attend your assigned discussion section for last names A-L in 4029 Campus Instructional Facility
Date: Wednesday, September 14, 2022

Assignments Due:
1. Homework #2 CLOSES at 9:00 am.
2. Lecture Refresher Micro-Quiz #9 on material covered in Lecture #9– due at 9:00 am (#9) (Quiz #9/35)

New Assignments Open: Lecture Refresher Micro-Quiz on content covered in Lecture #10 (Quiz #10/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Friday, September 16, 2022

Videos to Watch: Lecture 10: The essence of Microbiology – Setting the Table

Supportive Reading: Chapter 3, Brock Biology of Microorganisms (16th Edition)

In-Person Discussion: 9:00 – 9:50 am: Group 2 only: Attend your assigned discussion section for last names M-Z in 4029 Campus Instructional Facility

Virtual Office Hours: Login for Anubhav’s Virtual Office Hours: TA Zoom Office Hours at 2:30 pm

Date: Thursday, September 15, 2022

Assignments Due: Packback 3A: Single Question stemming from Lectures 8-10 due at 11:59PM CST.

Date: Friday, September 16, 2022

Assignments Due: Lecture Refresher Micro Quiz on material covered in Lecture #10– due at 9:00 am (Quiz #10/35)

New Assignments Open: Lecture Refresher Micro-Quiz on content covered in Lecture #11 (Quiz #11/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Monday, September 21, 2022

Videos to Watch: Lecture 11: Parts and Processes – How Microbes Work I: Metabolism 3, Energy Generation – A

Supportive Reading: Chapter 3, Brock Biology of Microorganisms (16th Edition)

Virtual Office Hours: (Dr. Vanderpool) 9:00-9:50am
Meeting ID: 561 477 4714
Password: 915830

Date: Saturday, September 17, 2022

Assignments Due: Packback 3B: Responses to two questions stemming from Lectures 8-10 due at 11:59PM CST.
WEEK 5

Date: Monday, September 19, 2022

Assignments Due:
Exam #1 Covers Lectures 1-10, 7:00 pm – 9:00 pm
Please note that the room assignments for taking Exam 1 will be designated over the course of the semester.

New Assignments Open: None
Videos to Watch: None
Supportive Reading: None
In-Person Discussion: None

Date: Wednesday, September 21, 2022

Assignments Due: Lecture Refresher Micro Quiz on material covered in Lecture #11– due at 9:00 am (Quiz #11/35)

New Assignments Open:
1. Homework #3 opens at 10:00 am, Lectures 11-14, Closes at 9:00 am on Wednesday, October 5, 2022 (Lon Capa)
2. Lecture Refresher Micro-Quiz on content covered in Lecture #12 (Quiz #12/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Friday, September 23, 2022

Supportive Reading: Chapter 3, Brock Biology of Microorganisms (16th Edition)
In-Person Discussion: None
Virtual Office Hours: Login for Anubhav’s Virtual Office Hours: TA Zoom Office Hours at 2:30 pm

Date: Thursday, September 22, 2022

Assignments Due: Packback 4A: Single Question stemming from Lectures 11-12 due at 11:59 pm CST.
Date: Friday, September 23, 2022

Assignments Due: Lecture Refresher Micro-Quiz on material covered in Lecture #12 – due at 9:00 am (Quiz #12/35)

New Assignments Open: Lecture Refresher Micro-Quiz on content covered in Lecture #13 (Quiz #13/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Monday, September 26, 2022


Supportive Reading: Chapter 3, Brock Biology of Microorganisms (16th Edition)

In-Person Discussion: None

Virtual Office Hours: (Dr. Vanderpool) 9:00-9:50am
  Meeting ID: 561 477 4714
  Password: 915830

Date: Saturday, September 24, 2022

Assignments Due: Packback 4B: Responses to two questions stemming from Lectures 11-12 due at 11:59PM CST

WEEK 6

Date: Monday, September 26, 2022

Assignments Due: Lecture Refresher Micro-Quiz on material covered in Lecture #13– due at 9:00 am (Quiz #13/35)

New Assignments Open: Lecture Refresher Micro-Quiz on content covered in Lecture #14 (Quiz #14/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Wednesday, September 28, 2022

Videos to Watch: Lecture 14: Lecture 14: Parts and Processes – How Microbes Work– I: Stress Responses

Supportive Reading: Chapter 7, Brock Biology of Microorganisms (16th Edition), pages 218-220.

In-Person Discussion: 9:00 – 9:50 am: Group 1 only: Attend your assigned discussion section for last names A-L in 4029 Campus Instructional Facility
Date: Wednesday, September 28, 2022
- **Assignments Due:** Lecture Refresher Micro-Quiz on material covered in Lecture #14 – due at 9:00 am (Quiz #14/35)
- **New Assignments Open:**
  1. Homework #4 opens at 10:00 am, Lectures 15-18, Closes at 9:00 am on Monday, October 10, 2021 (Lon Capa)
  2. Lecture Refresher Micro-Quiz on content covered in Lecture #15 (Quiz #15/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Friday, September 30, 2022
- **Videos to Watch:** Lecture 15: Parts and Processes – How Microbes Work – III: Quorum Sensing
- **In-Person Discussion:** 9:00 – 9:50 am: Group 2 only: Attend your assigned discussion section for last names M-Z in 4029 Campus Instructional Facility
- **Virtual Office Hours:** Login for Anubhav’s Virtual Office Hours: TA Zoom Office Hours at 2:30 pm

Date: Thursday, September 29, 2022
- **Assignments Due:** Packback 5A: Single Question stemming from Lectures 13-15 due at 11:59PM CST.

Date: Friday, September 30, 2022
- **Assignments Due:** Lecture Refresher Micro-Quiz on material covered in Lecture #16 – due at 9:00 am (Quiz #15/35)
- **New Assignments Open:** Lecture Refresher Micro-Quiz on content covered in Lecture #16 (Quiz #16/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Monday, October 3, 2022
- **Videos to Watch:** Lecture 16: Establishment of microbial communities – I: Origins of Life – Where it all began…
- **Supportive Reading:** Chapter 13, *Brock Biology of Microorganisms (16th Edition)*
- **In-Person Discussion:** None
- **Virtual Office Hours:** (Dr. Vanderpool) 9:00-9:50am
  - Meeting ID: 561 477 4714
  - Password: 915830

Date: Saturday, October 1, 2022
- **Assignments Due:** Packback 5B: Responses to two questions stemming from Lectures 13-15 due at 11:59PM CST
WEEK 7

Date: Monday, October 3, 2022

Assignments Due: Lecture Refresher Micro-Quiz on material covered in Lecture #16– due at 9:00 am (Quiz #16/35)
New Assignments Open: Lecture Refresher Micro-Quiz on content covered in Lecture #17 (Quiz #17/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Wednesday, October 5, 2022
Videos to Watch: Lecture 17: Establishment of microbial communities–II: The Role of Evolution in Establishing Community Structure
Supportive Reading: Chapter 13, *Brock Biology of Microorganisms (16th Edition)*
In-Person Discussion: 9:00 – 9:50 am: Group 1 only: Attend your assigned discussion section for last names A-L in 4029 Campus Instructional Facility

Date: Wednesday, October 5, 2022

Assignments Due:
1. Homework #3 CLOSES at 9:00 am
2. Lecture Refresher Micro-Quiz on material covered in Lecture #17– due at 9:00 am (Quiz #17/35)
New Assignments Open: Lecture Refresher Micro-Quiz on content covered in Lecture #18 (Quiz #18/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Friday, October 7, 2022
Videos to Watch: Lecture 18: Establishment of microbial communities–III: The Role of Evolution in Establishing Community Structure
Supportive Reading: Chapter 13, *Brock Biology of Microorganisms (16th Edition)*
In-Person Discussion: 9:00 – 9:50 am: Group 2 only: Attend your assigned discussion section for last names M-Z in 4029 Campus Instructional Facility
Virtual Office Hours: Login for Anubhav’s Virtual Office Hours: TA Zoom Office Hours at 2:30 pm

Date: Thursday, October 6, 2022

Assignments Due: Packback 6A: Single Question stemming from Lectures 16-18 due at 11:59PM CST.
Date: Friday, October 7, 2022

Assignments Due: Lecture Refresher Micro-Quiz on material covered in Lecture #18– due at 9:00 am (Quiz #18/35)

New Assignments Open: Lecture Refresher Micro-Quiz on content covered in Lecture #19 (Quiz #19/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Monday, October 10, 2022

Videos to Watch: Lecture 19: Establishment of microbial communities IV: Rapid Change through Horizontal Gene Transfer

Supportive Reading: Chapter 13, Brock Biology of Microorganisms (16th Edition)

In-Person Discussion: None

Virtual Office Hours: (Dr. Vanderpool) 9:00-9:50am
Meeting ID: 561 477 4714
Password: 915830

Date: Saturday, October 8, 2022

Assignments Due: Packback 6B: Responses to two questions stemming from Lectures 16-18 due at 11:59PM CST

WEEK 8

Date: Monday, October 10, 2022

Assignments Due:
1. Homework #4 CLOSES at 9:00 am
2. Assignments Due: Lecture Refresher Micro-Quiz on material covered in Lecture #19– due at 9:00 am (Quiz #19/35)

New Assignments Open: None

Videos to Watch: None

Supportive Reading: None

In-Person Discussion: None

Date: Wednesday, October 12, 2022

Assignments Due:

Exam #2 Covers Lectures 11-20, 7:00 pm – 9:00 pm LonCapa

Please note that the room assignments for taking Exam 1 will be designated over the course of the semester.

New Assignments Open: None

Videos to Watch: None

Supportive Reading: None
Date: Friday, October 14, 2022

Assignments Due: none

New Assignments Open: Homework #5 opens at 10:00 am, Lectures 21-24, Closes at 9:00 am on Wednesday, October 26, 2022 (Lon Capa)

Videos to Watch: Lecture 21: Establishment of microbial communities VI: Characterizing the forces that help define and shape the diversity of microbial community structures

Supportive Reading: Chapters 1, 19, 20 Brock Biology of Microorganisms (16th Edition)

In-Person Discussion: None

Virtual Office Hours: (Dr. Blanke) 9:00-9:50 am
Meeting ID: 561 477 4714
Password: 915830

WEEK 9

Date: Monday, October 17, 2022

Assignments Due: None

New Assignments Open: Lecture Refresher Micro-Quiz on content covered in Lecture #22 (Quiz #20/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Wednesday, October 26, 2022


Supportive Reading: Chapter 24 Brock Biology of Microorganisms (16th Edition)

In-Person Discussion: 9:00 – 9:50 am: Group 1 only: Attend your assigned discussion section for last names A-L in 4029 Campus Instructional Facility

Date: Wednesday, October 19, 2022

Assignments Due: Lecture Refresher Micro-Quiz on material covered in Lecture #22– due at 9:00 am (Quiz #20/35)

New Assignments Open: Lecture Refresher Micro-Quiz on content covered in Lecture #23 (Quiz #21/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Friday, October 21, 2022

Videos to Watch: Lecture 23: Establishment of microbial communities VIII: The human gut microbiome in human health and disease – Part A

Supportive Reading: Chapter 24 Brock Biology of Microorganisms (16th Edition)

In-Person Discussion: 9:00 – 9:50 am: Group 2 only: Attend your assigned discussion section for last names M-Z in 4029 Campus Instructional Facility

Virtual Office Hours: Login for Anubhav’s Virtual Office Hours: TA Zoom Office Hours at 2:30 pm
Date: Thursday, October 20, 2022  
**Assignments Due:** Packback 7A: Single Question stemming from Lectures 21-22 due at 11:59 CST.

Date: Friday, October 21, 2022  
**Assignments Due:** Lecture Refresher Micro-Quiz on material covered in Lecture #23– due at 9:00 am (Quiz #21/35)  
**New Assignments Open:** Lecture Refresher Micro-Quiz on content covered in Lecture #24 (Quiz #22/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Monday, October 24, 2022  
**Videos to Watch:** Lecture 24: Establishment of microbial communities IX: The human gut microbiome in human health and disease – Part B  
**Supportive Reading:** Chapter 24 *Brock Biology of Microorganisms* (16th Edition)  
**In-Person Discussion:** None  
**Virtual Office Hours:** (Dr. Blanke) 9:00-9:50am  
Meeting ID: 561 477 4714  
Password: 915830

Date: Saturday, October 22, 2022  
**Assignments Due:** Packback 7B: Responses to two questions stemming from Lectures 21-23 due at 11:59 CST

WEEK 10

Date: Monday, October 24, 2022  
**Assignments Due:** Lecture Refresher Micro-Quiz on material covered in Lecture #24– due at 9:00 am (Quiz #22/35)  
**New Assignments Open:**  
1. Homework #6 opens at 10:00 am, Lectures 25-28, Closes on 9:00 am Monday, November 4, 2022 (Lon Capa)  
2. Lecture Refresher Micro-Quiz on content covered in Lecture #25 (Quiz #23/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Wednesday, October 26, 2022  
**Videos to Watch:** Lecture 25: Pathogenic Microbe-Host Interactions I: Introduction to infectious diseases and microbial pathogenesis: The good, the bad, and the ugly…  
**Supportive Reading:** Chapter 30 *Brock Biology of Microorganisms* (16th Edition)  
**In-Person Discussion:** 9:00 – 9:50 am: **Group 1 only:** Attend your assigned discussion section for last names A-L in 4029 Campus Instructional Facility
Date: Wednesday, October 26, 2022

Assignments Due:

1. Homework #5 CLOSES at 9:00 am
2. Lecture Refresher Micro-Quiz on material covered in Lecture #25– due at 9:00 am (Quiz #23/35)

New Assignments Open: Lecture Refresher Micro-Quiz on content covered in Lecture #26 (Quiz #24/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Friday, October 28, 2022

Videos to Watch: Lecture 26: Pathogenic Microbe-Host Interactions-II: Host barriers to microbial interactions…Barriers, fortresses, moats, artillery

Supportive Reading: Chapter 26 Brock Biology of Microorganisms (16th Edition)

In-Person Discussion: 9:00 – 9:50 am: Group 2 only: Attend your assigned discussion section for last names M-Z in 4029 Campus Instructional Facility

Virtual Office Hours: Login for Anubhav’s Virtual Office Hours: TA Zoom Office Hours at 2:30 pm

Date: Thursday, October 27, 2022

Assignments Due: Packback 8A: Single Question stemming from Lectures 24-26 due at 11:59 CST.

Date: Friday, October 28, 2022

Assignments Due: Lecture Refresher Micro-Quiz on material covered in Lecture #26– due at 9:00 am (Quiz #24/35)

New Assignments Open: Lecture Refresher Micro-Quiz on content covered in Lecture #27 (Quiz #25/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Monday, October 31, 2022

Videos to Watch: Lecture 27: Pathogenic Microbe-Host Interactions-III: Host innate defenses to pathogenic microbes…. sentinels, supply lines, and cluster weapons.

Supportive Reading: Chapter 26 Brock Biology of Microorganisms (16th Edition)

In-Person Discussion: None

Virtual Office Hours: (Dr. Blanke) 9:00-9:50am
Meetings ID: 561 477 4714
Password: 915830

Date: Saturday, October 29, 2022

Assignments Due: Packback 8B: Responses to two questions stemming from Lectures 24-26 due at 11:59 CST.
WEEK 11

Date: Monday, October 31, 2022
Assignments Due: Lecture Refresher Micro-Quiz on material covered in Lecture #27– due at 9:00 am (Quiz #25/35)
New Assignments Open: Lecture Refresher Micro-Quiz on content covered in Lecture #28 (Quiz #26/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Wednesday, November 2, 2022
Videos to Watch: Lecture 28: Pathogenic Microbe-Host Interactions-IV: Host adaptive defenses to pathogenic microbes…artificial intelligence, machine learning, smart devices-Part A
Supportive Reading: Chapter 27, Brock Biology of Microorganisms (16th Edition)
In-Person Discussion: 9:00 – 9:50 am: Group 1 only: Attend your assigned discussion section for last names A-L in 4029 Campus Instructional Facility

Date: Wednesday, November 2, 2022
Assignments Due: Lecture Refresher Micro-Quiz on material covered in Lecture #28– due at 9:00 am (Quiz #26/35)
New Assignments Open: Lecture Refresher Micro-Quiz on content covered in Lecture #29 (Quiz #27/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Friday, November 4, 2022
Videos to Watch: Lecture 29: Pathogenic Microbe-Host Interactions-V: Host adaptive defenses to pathogenic microbes… artificial intelligence, machine learning, smart devices-Part B
Supportive Reading: Chapter 27, Brock Biology of Microorganisms (16th Edition)
In-Person Discussion: 9:00 – 9:50 am: Group 2 only: Attend your assigned discussion section for last names M-Z in 4029 Campus Instructional Facility
Virtual Office Hours: Login for Anubhav’s Virtual Office Hours: TA Zoom Office Hours at 2:30 pm

Date: Thursday, November 3, 2022
Assignments Due: Packback 9A: Single Question stemming from Lectures 27-29 due at 11:59 CST.
Date: Friday, November 4, 2022

Assignments Due:
1. Homework #6 CLOSES at 9:00 am
2. Lecture Refresher Micro-Quiz on material covered in Lecture #29-- due at 9:00 am (Quiz #27/35)

New Assignments Open: None

Videos to Watch: Lecture 30: Pathogenic Microbe-Host Interactions-VI: Koch’s Postulates - How to detect and assign a microbe as the causative agent of infectious disease.

Supportive Reading: Chapter 1, Brock Biology of Microorganisms (16th Edition)

In-Person Discussion: None

Virtual Office Hours:
(Dr. Blanke) 9:00-9:50am
Meeting ID: 561 477 4714
Password: 915830

Date: Saturday, November 5, 2022

Assignments Due: Packback 9B: Responses to two questions stemming from Lectures 27-29 due at 11:59 CST

WEEK 12

Date: Monday, November 7, 2022

Assignments Due:
Exam #3 Covers Lectures 21-30, 7:00 pm – 9:00 pm
Please note that the room assignments for taking Exam 1 will be designated over the course of the semester.

New Assignments Open: None
Videos to Watch: None
Supportive Reading: none
Date: Wednesday, November 9, 2022
Assignments Due: None
New Assignments Open:
1. Homework #7 opens at 10:00 am, Lectures 31-34, Due at 9:00 am on Wednesday, November 30, 2022 (Lon Capa)
2. Lecture Refresher Micro-Quiz on content covered in Lecture #31 (Quiz #28/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Friday, November 11, 2022
Videos to Watch: Lecture 31: Pathogenic Microbe-Host Interactions-VII: Studying the Virulence of Pathogenic Microbes – How to Study Microbial Pathogenesis
Supportive Reading: Chapter 25, Brock Biology of Microorganisms (16th Edition)
In-Person Discussion: None
Virtual Office Hours: Login for Anubhav’s Virtual Office Hours: TA Zoom Office Hours at 2:30 pm

Date: Thursday, November 10, 2022
Assignments Due: Packback 10A: Single Question stemming from Lectures 30-31 due at 11:59 CST.

Date: Friday, November 11, 2022
Assignments Due: Lecture Refresher Micro-Quiz on material covered in Lecture #31– due at 9:00 am (Quiz #28/35)
New Assignments Open: Lecture Refresher Micro-Quiz on content covered in Lecture #32 (Quiz #29/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Monday, November 14, 2022
Videos to Watch: Lecture 32: Pathogenic Microbe-Host Interactions-VIII: Establishing an Infection within the Host – Immune Evasion and Colonization and Transmission – Part A.
Supportive Reading: Chapter 25, Brock Biology of Microorganisms (16th Edition)
In-Person Meeting: None
Virtual Office Hours: (Dr. Blanke) 9:00-9:50am
Meeting ID: 561 477 4714
Password: 915830

Date: Saturday, November 12, 2022
Assignments Due: Packback 10B: Responses to two questions stemming from Lectures 30-31 due at 11:59 CST
WEEK 13

Date: Monday, November 14, 2022
Assignments Due: Lecture Refresher Micro-Quiz on material covered in Lecture #32– due at 9:00 am (Quiz #29/35)
New Assignments Open: Lecture Refresher Micro-Quiz on content covered in Lecture #33 (Quiz #30/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Wednesday, November 16, 2022
Videos to Watch: Lecture 33: Pathogenic Microbe-Host Interactions- IX: Establishing an Infection within the Host – Immune Evasion, Colonization, and Transmission – Part B.
Supportive Reading: Chapter 25, Brock Biology of Microorganisms (16th Edition)
In-Person Discussion: 9:00 – 9:50 am: Group 1 only: Attend your assigned discussion section for last names A-L in 4029 Campus Instructional Facility

Date: Wednesday, November 16, 2022
Assignments Due: Lecture Refresher Micro-Quiz on material covered in Lecture #33– due at 9:00 am (Quiz #30/35)
New Assignments Open: Lecture Refresher Micro-Quiz on content covered in Lecture #34 (Quiz #31/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Friday, November 18, 2022
Supportive Reading: Chapter 25, Brock Biology of Microorganisms (16th Edition)
In-Person Discussion: 9:00 – 9:50 am: Group 2 only: Attend your assigned discussion section for last names M-Z in 4029 Campus Instructional Facility
Virtual Office Hours: Login for Anubhav’s Virtual Office Hours: TA Zoom Office Hours at 2:30 pm

Date: Thursday, November 17, 2022
Assignments Due: Packback 11A: Single Question stemming from Lectures 32-34 due at 11:59 CST.
Date: Friday, November 18, 2022

**Assignments Due:** Lecture Refresher Micro-Quiz on material covered in Lecture #34– due at 9:00 am (Quiz #31/35)

**New Assignments Open:**
1. Homework #8 opens at 10:00 am, Lectures 35-38, Closes at 9:00 am on Monday, December 5, 2022 (Lon Capa)
2. Lecture Refresher Micro-Quiz on content covered in Lecture #35 (Quiz #32/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Monday, November 28, 2022

**Videos to Watch:** Lecture 35: Pathogenic Microbe-Host Interactions- XI: Remodeling the Host into a Suitable Infection Microenvironment – the Amazing World of Bacterial Toxins.

**Supportive Reading:** Chapter 25, *Brock Biology of Microorganisms (16th Edition)*

**In-Person Meeting:** None

**Virtual Office Hours:** (Dr. Blanke) 9:00-9:50 am
   - Meeting ID: 561 477 4714
   - Password: 915830

Date: Saturday, November 19, 2022

**Assignments Due:** Packback 11B: Responses to two questions stemming from Lectures 32-34 due at 11:59 CST

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**WEEK 14**

Fall Break – November 21-25

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**WEEK 15**

Date: Monday, November 28, 2022

**Assignments Due:** Assignments Due:
   - Lecture Refresher Micro-Quiz on material covered in Lecture #35– due at 9:00 am (Quiz #32/35)

**New Assignments Open:** Lecture Refresher Micro-Quiz on content covered in Lecture #36 (Quiz #33/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Wednesday, November 30, 2022

**Videos to Watch:** Lecture 36: Pathogenic Microbe-Host Interactions-XII: Fantastic Effectors and Where to Find Them.

**Supportive Reading:** Chapter 25, *Brock Biology of Microorganisms (16th Edition)*

**In-Person Discussion:** 9:00 – 9:50 am: **Group 1 only:** Attend your assigned discussion section for last names A-L in 4029 Campus Instructional Facility
**Date: Wednesday, November 30, 2022**

**Assignments Due:**
1. Homework #7 CLOSES at 9:00 am
2. Lecture Refresher Micro-Quiz on material covered in Lecture #36– due at 9:00 am (Quiz #33/35)

**New Assignments Open:** Lecture Refresher Micro-Quiz on content covered in Lecture #37 (Quiz #34/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Friday, December 2, 2022

**Videos to Watch:** Lecture 37: Micromodule A: Going Viral: An introduction to Viruses and Viral Disease. How Viruses cause Disease.

**Supportive Reading:** Chapter 5, *Brock Biology of Microorganisms (16th Edition)*

**In-Person Discussion:** 9:00 – 9:50 am: **Group 2 only:** Attend your assigned discussion section for last names M-Z in 4029 Campus Instructional Facility

**Virtual Office Hours:** Login for Anubhav’s Virtual Office Hours: TA Zoom Office Hours at 2:30 pm

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**Date: Thursday, December 1, 2022**

**Assignments Due:** Packback 12A: Single Question stemming from Lectures 35-37 due at 11:59 CST.

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**Date: Friday, December 2, 2022**

**Assignments Due:** Lecture Refresher Micro-Quiz on material covered in Lecture #37– due at 9:00 am (Quiz #34/35)

**New Assignments Open:** Lecture Refresher Micro-Quiz on content covered in Lecture #38 (Quiz #35/35) opens at 10:00 am on Lon Capa; Closes at 9:00 am on Monday, December 5, 2022

**Videos to Watch:** Lecture 38: Micromodule B: Eukaryotic Pathogens: Wayward Fungi, and a Hypothesis.

**Supportive Reading:** Chapter 18, *Brock Biology of Microorganisms (16th Edition)*

**In-Person Discussion:** None

**Virtual Office Hours:** (Dr. Blanke) 9:00-9:50am
- Meeting ID: 561 477 4714
- Password: 915830

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**Date: Saturday, December 3, 2022**

**Assignments Due:** Packback 12B: Responses to two questions stemming from Lectures 35-37 due at 11:59 CST
Week 16

Date: Monday, December 5, 2022

Assignments Due
1. Homework #8 CLOSES at 9:00 am
2. Lecture Refresher Micro-Quiz on material covered in Lecture #38– due at 9:00 am (Quiz #35/35)

New Assignments Open: None

Videos to Watch: Lecture 39: Micromodule C: Controlling Bacterial Infections…or are we?: The Life and Death Business of Generating Effective Antimicrobials in the Face of Antimicrobial Resistance.

Supportive Reading: Chapter 8 (pages 255-260), Chapter 28 (pages 894-906), Brock Biology of Microorganisms (16th Edition)

In-Person Discussion: 9:00 – 9:50 am: Group 1 only: Attend your assigned discussion section for last names A-L in 4029 Campus Instructional Facility

Date: Wednesday, December 7, 2022

Assignments Due: None

New Assignments Open: None

Videos to Watch: Lecture 40: Micromodule D: Vaccines as the Real Game Changer: Next Generation Strategies to Prevent Microbial Diseases in Humans.

Supportive Reading: Chapter 28 (pages 889-894), Brock Biology of Microorganisms (16th Edition)

In-Person Discussion: 9:00 – 9:50 am: Group 2 only: Attend your assigned discussion section for last names M-Z in 4029 Campus Instructional Facility

Virtual Office Hours: Login for Anubhav’s Virtual Office Hours: TA Zoom Office Hours at 2:30 pm

Date: Thursday, December 8, 2022

Reading Day

Week 17

Exam #4: Covering Lectures 31-40

Date: Monday, December 12

Time: 8:00am to 11:00am

Place: TBD