
 **Bio 175 Syllabus
Course Information**

Course Title: General Microbiology Course ID: Bio 175

Course Delivery: Hybrid

Course Meeting Days and Times: Mondays: 6-8:50pm ; Virtual class sessions TBD

Course Meeting Location(s): Marchant Hall 9235 ; Virtual recorded meetings via Zoom

Term and Year: Spring, 2025

Course Start & End Dates: 1/9-5/8
One Pre/Co-requisites: BIO-110, BIO-111, BIO-163, BIO-165, or BIO-168

 **Instructor Information**Instructor: Dr. Kate Brilakis

Office hours: in person at Marchant 9235 Mondays 5-6pm or virtual by appointment

Email/Text: kbril875@cccc.edu / 703.498.9997
website: <http://www.katebrilakis.com/home.html>

Department Chair: Dr. Long llong@cccc.edu 919-718-7411

Dean: Dr. Holmes cholm786@cccc.edu 919-718-7225

**Office Hours**:

Please feel free to contact me outside of class and student hours. You may email me to set up a virtual appointment or just stop by during office hours to chat. Please use your CougarMail account when sending emails to me. *I cannot open email from students sent from other email addresses.*

**Course Description**This course explores the principles of microbiology with emphasis on the link between microbes and human disease. Topics include the identification/control of pathogens, disease transmission, host resistance, and immunity. Students will be able to demonstrate knowledge of microorganisms and the disease process as well as aseptic and sterile techniques. *Bio 175 satisfies the comprehensive articulation agreement pre – major and/or elective course requirement.*

 **Textbook**

Our textbook is:
 Microbiology: Basic and Clinical Principles, 2nd Edition, Lourdes P. Norman-McKay

Our course will use digital materials provided through Follett ACCESS. Follett ACCESS materials are charged as a separate fee during registration. Students who do not wish to participate in the Follett ACCESS program may opt out by informing their instructor of their intent to opt out and completing the Opt Out of Follett Access form by no later than 5pm on the census (10%) date of the course. Students' cccc.edu email address must be used to access the form. Visit Follett ACCESS for more information.

**Accessing our eText and your Pearson study resources:
The eText for this book is already embedded in our course Blackboard page.**To access the eText, go to our Blackboard page
 click on **course content** click on **Mastering Microbiology**Here, you will find the etext, homework assignments and their due dates, a resource study area and your grades for your homework.

**College Diversity, Equity, and Inclusion statement**

Central Carolina Community College’s commitment to diversity, equity, and inclusion is inspired by our vision to provide exceptional learning for all.
 ● Diversity: We recognize and respect the variety of experiences and contributions
 represented by all our students, employees, and community.

● Equity: We seek to create a learning environment where everyone is supported and valued for their unique perspectives and experiences.

● Inclusion: We foster and promote the participation of all members of our diverse communities.

**CCCC Attendance Guidelines:**

• Census Requirement–students demonstrate official enrollment in a class through their attendance during the first 10% of the class meeting dates. In online classes, this attendance is demonstrated by submitting an assignment, which may be called an orientation assignment or EVA (Entry Verification Assignment). Any student who does not meet this attendance requirement cannot continue in the course and will be dropped from the official class roster.

• You are expected to attend 80% of the total hours of any class to remain in the class and receive a passing grade. This means that you may miss no more than 2 in person classes for this course. If you cannot attend a class, please let me know. If circumstances cause you to miss more than 2 classes during the semester, you may be overextended and may need to withdraw .

• Withdrawal–A student who initiates a withdrawal from a curriculum course must complete a Withdrawal Request Form located in the Success Hub (accessible via the CCCC Portal). Once completed, the form is routed to me and your Faculty Advisor, who will reach out to you to verify you still wish to proceed with the withdrawal. Then your Education Navigator will review and send the form to the Records Office to be processed. Instructor’s may initiate a student withdrawal in accordance with the college’s attendance policy found in the Student Handbook.

 **Class Meetings**Our course this semester is hybrid meaning that we will meet in person each week to complete a lab and to discuss new lecture material and we will also meet online via Zoom for another hour every Wednesday at 6pm to explore new lecture information.
Attending the online lecture sessions is not mandatory.
I will record each online session and post the recording for you to review when your schedule permits. **Please watch the video of the virtual class within one week of it being posted.** I will provide you with the Zoom link should you wish to attend, I would love that! It’s way more fun to chat with people than to just record a class. **Grading Policy**

Your Bio 175 grade will be calculated by the simple addition of lecture/lab assessments

and weekly lecture/lab assignments. Our grading scale is:
90 – 100% = A

80 – 89% = B

70 – 79% = C

60 – 69% = D

Below 60% = F

This semester, you’ll complete:
3 lecture assessments (12% each) = 36% of total
3 practical lab assessments (5% each) = 15% of total
1 final lecture assessment = 14% of total
1 final practical lab assessment = 10% of total
weekly lecture and lab assignments = 25% of total

all lecture assessments = 50% of total grade
all lab assessments = 25% of total grade
all homework assignments = 25% of total grade

 **Departmental policy prohibits the use of make-up assessments.**As such, if you are absent for a lecture assessment, I will use your grade from your final lecture assessment as the grade for your missed assessment. Only one missed lecture assessment grade can be replaced in this way. I will also use the final lecture assessment grade to replace your lowest lecture assessment even if you are not absent assuming your final assessment grade is higher than one of the three other lecture assessment grades.
The same policy will apply to your lab assessments. If you miss a lab assessment, I will use the grade for your final lab assessment as the grade for your missed lab assessment. Or I will use the grade for your final lab assessment as the grade for your lowest lab assessment assuming it is higher than one of the three other lab assessments. You will complete your final lecture assessment and final practical lab assessment on May 5th.
 **There are no make-ups for the final lab or the final lecture assessment.**You’ll complete a series of homework assignments to prepare you for/reinforce the information we explore in class. **Late assignments will not be accepted.** Please do not cite tech/computer problems as an excuse for late assignments. Completing work before the scheduled due date prevents “stuff” from preventing you submitting your work.

**Classroom Etiquette**

To promote mutual respect and professionalism, you are expected to treat all other participants in the course with courtesy and respect. Your comments to others should be factual, constructive, and free from harassing statements. You are encouraged to express differing opinions, but these need to be based upon facts and documentation (rather than prejudices and personalities). My goal is to promote an atmosphere of mutual respect in the classroom.

 **Student Information Center**

CCCC provides a variety of academic resources and services intended to support your academic experience and success. The Student Information Center contains information about college policies and procedures (College Calendar, Inclement Weather Policy, Safety, Grade Appeals), student resources (CC Cares, food pantry, tutoring, veteran resources), technical support, and more.

 **Technical Support**

CCCC offers technical support if you encounter issues with Blackboard, Self-Service, Slate, Cougarmail or the CCCC Portal. The college also offers students free downloads for Microsoft Office 365, Adobe Reader, Google Chrome, and Mozilla Firefox. Please visit Technical Support for additional information.

**Student Rights and Responsibilities**

CCCC cultivates your growth by promoting students' awareness and understanding of their rights and responsibilities. Student Rights and Responsibilities, including the complaint process and policies, can be found in the Student Handbook.

**Ombuds/Student Advocate**

CCCC wants our students to feel seen, heard and valued on our campus. However, students may occasionally face challenging situations that they are not sure how to navigate or resolve. During the time of your relationship with the college, situations may arise in which you believe the institution has acted in error or that your particular case requires further review. In these situations, if you have already attempted to remedy the problem with the particular office/department, you may submit a complaint form. Following the submission of a complaint form, the College’s Ombudsman will follow up with you. Visit Ombuds: Your Student Advocate to learn more.

**Title IX/Equal Opportunity**

Central Carolina Community College does not practice or condone discrimination in any form, against students, employees, or applicants on the grounds of race, color, national origin, religion, sex, age, disability, or political affiliation. CCCC prohibits sex discrimination, including sexual harassment, sexual violence, sexual assault, stalking, or intimate partner violence. Any employee or student violating these policies shall be disciplined in accordance with established college policy.

**Academic Honesty**

This course follows the guidelines and penalties for academic dishonesty found in the Student Handbook, the college website, and the CCCC Catalog. Cheating is a very serious offense and will not under any circumstances be tolerated. We will discuss in detail how cheating includes plagiarism which is simply passing off someone else’s work/words as your own. This includes passages you find on the web that you fail to cite or the misuse of AI. I screen all written work submitted to me. *All of it.* If you are found to have plagiarized, you will be referred to the Dean for disciplinary action.

**Lecture Schedule**

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|  **Section 1 Chapters 1,2 and 3**- History of Microbiology - Classification - Basic Chemistry Review  - Prokaryotes**Assessment for Section 1 on 2/10** |

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|  **Section 2 Chapters 4,6 and a teensy bit of 5** - Eukaryotes  - Viruses/Prions**Assessment for Section 2 on 3/3** |

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|  **Section 3  Chapters 7,9And a teensy bit of 8** - Microbial Growth  - Germ Control  - Host Microbe Interactions**Assessment for Section 3 on 3/31** |

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|  **Section 4 Chapters 10,11,12and a teensy bit of 14 & 15**  - Epidemiology  - Innate Immunity  - Adaptive Immunity  - Antibiotics  - Vaccinations  **Assessment Section 4 on 5/5** |

 **Bio 175 Lab**Each week, we will complete a practical lab at the start of our Monday meeting. Then we’ll finish each Monday meeting with the introduction of new lecture information.
Four times during the semester, you won’t be completing a practical lab or having new lecture material introduced. Instead, you’ll just take a lecture assessment and a practical lab assessment.

There is a final lecture assessment and final practical lab assessment on May 5th.
 **There are no make-ups for the final lab or the final lecture assessment.**If you are absent for the final lecture and/or lab assessments, I must enter a 0 for those assessment grades and any missed grades that that assessment grade replaced.
 **Lab Calendar**1/13 Intro and Lab Safety
1/20 **No Class:** Dr. King’s Birthday
1/27 Microscopy
2/3 Gram Staining
2/10 **Lecture/Lab Assessment 1**2/17 T-Streak
2/24 Isolation
3/3 **Lecture/Lab Assessment 2**
3/10 Media Types
3/17 Physical Properties
3/24 Chemical Properties
3/31 **Lecture /Lab Assessment 3**
4/7 Pandemic
4/14 Blood and Wright Stain
4/21 No class/ virtual recorded class will be posted
4/28 Antibiotics
5/5  **Lecture/Lab Assessment 4**

 **Accountability Statement for Biology 175 Spring Semester, 2025**

I have read and understand that I am accountable for all of the information contained in this syllabus. I have been given an opportunity to clarify any questions that I have.

 Student’s Signature Date

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 **This course syllabus is subject to change.**
If changes are needed, an addendum to the syllabus will be provided to each student and implementation of changes will be set forth at the date that addendum is issued.

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