

Syllabus



AUGUSTA
UNIVERSITY

Course Information

Christina Wilson

BIOL

1101L

Fundamentals of Biology Lab

Summer 2026

About the Course

Meeting Time: 1100 - 1250 SCI E2023 Tuesday Thursday

Catalog Course Description

Designed for the non-science/non-math major. Through a variety of exercises and experiments students will acquire and apply skills including scientific measurements, use of basic laboratory equipment, the scientific method, data analysis, and communication of results. BIOL 1101L and BIOL 1107L cannot both be used to satisfy the Technology, Mathematics, & Sciences section of the Core IMPACTS curriculum.

Course Learning Objectives

- Objective: Demonstrate proficiency in scientific measurements and calculations.

- Objective: Actively use the scientific method to answer scientific questions.
- Objective: Demonstrate skills in the use of basic lab techniques and laboratory equipment.
- Objective: Demonstrate mastery of the learning objectives for each lab.

Core IMPACTS Statement

Course IMPACTS Domain: Technology, Mathematics, and Sciences

Preface: This is a Core IMPACTS course that is part of the STEM area.

Core IMPACTS refers to the core curriculum, which provides students with essential knowledge in foundational academic areas. This course will help master course content, and support students' broad academic and career goals.

Orienting Question(s): This course should direct students toward a broad Orienting Question:

- How do I ask scientific questions or use data, mathematics, or technology to understand the universe?

USG Core Learning Outcome(s): Completion of this course should enable students to meet the following Learning Outcome:

- Students will use the scientific method and laboratory procedures or mathematical and computational methods to analyze data, solve problems, and explain natural phenomena.

Career-Ready Competencies: Course content, activities and exercises in this course should help students develop the following Career-Ready Competencies:

- Inquiry and Analysis
- Problem-Solving
- Teamwork

Required Course Materials

PPE (Lab Coat, Safety Goggles, and Nitrile Gloves)

Grading Policy

Grading Scale: A = 90-100%, B = 80-89%, C = 70-79%, D = 60-69%, F = <60%

Final course averages will be calculated from **300 total points**, as determined by the following:

2 Lab Practical @ 100 points each	= 200
3 Lab Assignments @ 25 points each	= 75
6 Lab Quizzes @ 5 points each (lowest dropped)	= 25
Total Points	= 300

Attendance Policy

Regular attendance is expected. It is the responsibility of the student to notify the instructor as soon as possible about class absences. Excessive unexcused absences may lead to a reduction in your course grade. You may be withdrawn from this course for excessive absences (more than 10 percent of class time). In all cases of excused absences, the instructor may require written proof of the reason for the absence. For more information, see the Undergraduate Class Attendance Policy.

Academic Honesty

Academic honesty is essential to the academic function of Augusta University, as it protects the equity and integrity of the University's grades and degrees. It is the duty of students and faculty to practice and preserve academic honesty. Violations of academic honesty include, but are not limited to, cheating of all kinds, plagiarism, research misconduct, collusion, and false statements made to avoid negative academic consequences. For more information, visit [Augusta University's Academic Honesty Policy & Procedures](#).

About the Instructor

Name: Christina Wilson
Email: chrwilson@augusta.edu

Technology and Software Requirements

For technical support, please contact the [IT Help Desk](#), 706-721-4000.

All AU students have access to [free and discounted software](#).

The course syllabus and schedule are subject to change. When such changes occur, I will notify you as soon as possible.

Student Resources

AU students have access to free resources that can help them make the most of their college experience. The list of the [Student Resources](#), which is housed in D2L, includes information on academic and support services and useful resources available to all students.



Artificial Intelligence

Any text-generating software (such as ChatGPT, Grammarly paid version, Claude, Microsoft Copilot) is not permitted, and it will be treated as plagiarism. Any use of these or other text-generating software constitutes a violation of Augusta University's Academic Honesty Policy, and I will follow the institution's policy to the letter in those instances.

Disability Services and Accommodations

Augusta University is committed to ensuring all students have equal access to all services and benefits of Augusta University. If you are a student with a disability and require accommodations due to a diagnosed disability, you must register with [Test and Disability Services](#) (TDS) and submit the appropriate documentation. Requests for accommodations should be made as early in the semester as possible, as accommodations are not retroactive. Contact TDS at tds@augusta.edu or by telephone at 706-737-1469, for additional information. All accommodations are confidential.

Wellness

Faculty and staff at Augusta University care about the welfare of students. Students are encouraged to take advantage of these and other [Student Resources](#).

[Student Counseling & Psychological Services](#) (SCAPS) provides mental health services for currently enrolled Augusta University students in a safe and inclusive environment to promote and preserve student wellness. Professional counselors and licensed psychologists are available to help with a wide variety of mental health concerns. They offer individual, couples, and group counseling, emergency services and prevention and outreach programming. To schedule a Triage appointment at SCAPS, please call 706-737-1471.

[Student Health Services](#) provides clinic services such as preventive medical care, laboratory services, immunizations, consultation with a registered dietitian or a minor procedure, you can contact Student Health Services. You can also purchase health, dental, vision, and travel insurance through Student Health Services, 706-721-3448.

[Open Paws Food Pantry](#): Hunger and malnutrition on college campuses are real. The Open Paws Food Pantry will provide you with food free of charge if you are struggling. To receive help, go to Bellevue Hall on the Summerville Campus or the second floor of the Student Center on the Health Sciences Campus between 8 a.m. and 5 p.m. Mondays through Fridays. No questions will be asked.

The information in this syllabus is subject to change. Students will be notified of any changes through updates to this syllabus.

BIOL 1101 Lab Tentative Schedule

Week	Content Covered
Week 1	Introduction & Lab Safety Lab 1: Scientific Method
Week 2	Quiz 1 (Lab 1) Lab 2: Carbohydrates (<i>PPE required</i>)
Week 3	Carbohydrate Assignment Due Lab 3: Microscope and Cells (<i>PPE required</i>)
Week 4	Quiz 2 (Lab 2 & 3) Lab 4: Nutrition and Metrics
Week 5	Quiz 3 (Lab 4) & Metrics Assignment Due Lab 5: DNA Isolation and Profiling
Week 6	Lab Practical I (Lab 1-5)
Week 7	Lab 6: UV Light, Melanoma, and Mitosis
Week 8	Quiz 4 (Lab 6) Lab 7: Genetics (<i>PPE Required</i>)
Week 9	Quiz 5 (Lab 7) Lab 8: Microbiology (<i>PPE Required</i>)
Week 10	Microbiology Assignment Due & Quiz 6 (Lab 8) Lab 9: Natural Selection and Evolution
Week 11	Lab 10: Anatomy of the Heart and Brain (<i>PPE required</i>)
Week 12	Lab Practical II (Lab 6-10)