



SEMESTER
Life and Natural Sciences Department
School of Science, Technology, Engineering, and Mathematics

Course Name: Life - An Introduction to Biology
Course Number: BIO 101-XXX
Credits: 4
Instructor:

Office Hours & Location:

Phone:

E-mail:

Office Hours:

Prerequisites: none

Corequisites: none

Current Textbook:

Campbell's Essential Biology with Mastering Biology, 7th Edition; Simon, Eric J., et al.
Pearson Education Publishing, 2019.

General Information

For information on FERPA, Cheating and Plagiarism, Assessment of Student Learning Outcomes and Student Code of Conduct, please refer to the appropriate section of the current Owens Community College Catalog online.

Course Description:

Biology 101 will identify to students the integration of structure and function among the levels of biological organization. Students will discuss and apply principles of evolution, genetics, physiology, and ecology. This course will also involve description of the nature of living systems and the process of science.

Course Objectives:

1. To examine the scientific study of life.
2. To discuss the concepts of population, community, and natural selection.
3. To recognize the importance of biochemistry and energy use.
4. To recognize the structures of cells and the types of tissues.
5. To understand the role of genetics and cell division in the cell life cycle.
6. To identify the diversity of plants, animals, and microorganisms.

Instructional Methods:

Lecture

Discussion

Presentations & Outlines

Grading Procedure:

Lecture

There will be 4 exams (including the final) and 4 quizzes. The exam format is mostly multiple-choice. All exams are non-comprehensive, only covering material since the previous exam. Quizzes will vary in format and consist of multiple choice, short answer, fill-in, essay etc... There will 10 homework assignments spread throughout the 10-week summer schedule. You will always be allowed one week to complete an assignment. There will also be 1 research assignment toward the end of class. Grading for BIO 101 is based on a total percent system 70% lecture and 30 % lab. You must pass lab in order to pass the course. The cumulative point total is 990 points. Points earned in lab and lecture will be converted to overall percentage and conversion to a letter grade is as follows:

10 Homework Assignments @10 points each	100 points
1 Research Project @60 points each	60 points
4 Quizzes @35 points each	140 points
4 Exams @100 points each	400 points

Total

700

Lab Tentative

Field Guide	15 points
10 Question Sets @15 points each	150 points*
2 Lab Reports @30 points each	60 points
2 Lab Exams @40 points each	80 points

**Lowest question set (15 points) in lab will be dropped*

Total

290

There is absolutely **NO** provision for any **EXTRA CREDIT** to be given beyond the designated points for each lecture/laboratory exam and activity. You must pass the laboratory portion to pass the course.

Students retaking the course must repeat both the lecture and laboratory portion.

Grading Scale:

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

Tentative Dates for Exams and Quizzes:

Quiz 1	Week 2
Quiz 2	Week 5
Quiz 3	Week 9
Quiz 4	Week 14
Exam 1	Week 4
Exam 2	Week 7
Exam 3	Week 12
Exam 4	Week 16

Specific Course Rules:

Make up exam policy

Makeup exams are allowed under the following conditions:

1. The instructor is informed before the exam period, except in case of emergencies.
2. There is an inclement weather cancellation as per college policy

The instructor has final decision on the appropriate reason for absence from the exam. The student will take the makeup exam as soon as possible at the instructor's discretion.

All makeup exams are essay in format. Makeup exams will be placed in the Testing Center in College Hall and must be completed within one week of date missed.

Student Responsibilities

- To discuss immediately with the instructor any questions regarding class procedure, assignments, or grades.
- To attend class regularly. A student who does not attend regularly may experience considerable difficulty. Regular attendance is essential in this class. If there is a need for you to be absent, it is your responsibility to learn of any announcements

concerning assignments or changes from the syllabus from a classmate. Get the name and phone number of a “buddy” now, so that you can keep one another informed.

- No eating or drinking permitted in the classroom, as per the policy stated in the college catalogue.
- You are expected to follow all instructions given with respect to the care and operations of the equipment in the classroom.

Cellular Phones

Please turn cellular phones off or place on silent during class time so as not to interrupt the lecture or lab and consequently interfere with your classmates’ concentration. If you need to be contacted immediately due to an emergency, please have your family member contact Security at 661-7575 and pass a message to you. We ask for consideration and cooperation in this matter.

Policy on Cheating and Plagiarism

The policy regarding cheating and plagiarism as listed in the college catalogue will be enforced in this course. It is your responsibility to become familiar with the contents.

Student Athletes

All student athletes will be treated the same as all other students in this course syllabus.

GENERAL COLLEGE INFORMATION

Academic Support

Disability Services Resource Center: If you have a disability or acquire one, you may be entitled to receive reasonable accommodation intended to assure you an equal opportunity to participate in and benefit from the program. To receive more information or to register for accommodations, please contact the Disability Resource Center at 567-661-7007, email disability@owens.edu, visit <https://www.owens.edu/disability/>, or stop by College Hall 124.

Tutoring Services: Owens Community College offers academic tutoring and assistance in a variety of subjects including: accounting, computing, economics, mathematics, science, and writing. For more information go to: <https://www.owens.edu/successcenters/>.

Counseling Services: Counseling Services provides assistance to students experiencing personal, educational, interpersonal/relationship, family, social, or psychological difficulties. If you feel you may benefit from this service, please contact them at counselingservices@owens.edu. More information is at <https://www.owens.edu/counseling/>.

Campus and Community Connections: The Center for Campus and Community Connections (College Hall 151) is a walk-in office created to provide retention support

through resource stability initiatives and community connections. Go here for more information: <https://www.owens.edu/connection/> or contact connections@owens.edu

Owens Library: The Owens Library offers two locations (Toledo and Findlay) as well as online resources. For more information visit <https://www.owens.edu/library/>.

Students can find more information on campus resources, student support, student life and security at this [link](#).

General Information

Student Code of Conduct: All students are expected to follow Owens Community College's [Student Code of Conduct](#), which includes academic honesty, encompassing plagiarism. See the [Board Policy](#) for more information.

Anti-Discrimination and Harassment & Title IX/Sexual Misconduct: All students, faculty, and staff are expected to follow Owens Community College's [Anti-Discrimination and Harassment Policy](#) and the College's [Title IX Policy](#)/Sexual Misconduct Procedures and Guidelines. The College strictly prohibits and will not tolerate harassment, discrimination, intimidation, or hostile/offensive working or learning environments.

Religious Accommodations: A student seeking an accommodation for an absence permitted under Ohio's Testing Your Faith Act must provide the instructor with a written email notice with the specific dates for an absence, and must do so not later than fourteen (14) days after the first day of instruction. Alternative accommodations are not retroactive, and no academic penalty will be imposed for an absence under the policy*. The request for an alternative accommodation will be kept confidential. Students with questions about a religious accommodation under Ohio's Testing your Faith Act may contact the College's Office of Academic Affairs: provost@owens.edu. The policy may be found on the Owens website: [3358:11-2-63 Accommodation](#) for a Student Absence for the Observance of Religious Beliefs and Practices Policy

Document Collection: Throughout the semester, your instructors may ask for a variety of assignments including tests and/or quizzes for student learning of institutional general education competencies or program assessment. Please save all your class materials until the end of the semester.

Classroom Admittance: OCC classes shall only be attended by the officially registered OCC students or perspective students, instructor of record, guest lecturer, or substitute. Visitors are not permitted to be in the classroom and should not be invited to attend or participate in the class. See [FERPA](#) regulations for more information.

Use of AI Tools: This course permits you to use artificial intelligence (AI) tools, such as chatbots, text generators, paraphraser, summarizers, or solvers, to get guidance on assignments, as long as you do so in an ethical and responsible manner. Essentially, you can think of these tools as ways to help you learn but not to entirely create work for

assignments like discussion board posts, essays, presentation slides, and so on. AI is more like your tutor or TA, not a replacement for your independent thinking.

This means that you must:

- Not use AI tools to replace your own thinking or analysis or to avoid engaging with the course content.
- Cite or explain any AI tools you use. Provide the name of the AI tool, the date of access, the URL of the interface, and the specific prompt or query you used to generate the output.
- Be transparent and honest about how you used the AI tool and how it contributed to your assignment. Explain what you learned from the AI tool, how you verified its accuracy and reliability, how you integrated its output with your own work, and how you acknowledged its limitations and biases.

You are accountable for any mistakes or errors made by the AI tool. Always check and edit the output before submitting your work. If you discover any inaccuracies or inconsistencies in the output after submission, notify the instructor immediately and correct them as soon as possible.

Using AI tools in an unethical or irresponsible manner, such as copying or paraphrasing the output without citation or transparency, using the output as your own work without verification or integration, or using the output to misrepresent your knowledge or skills, is considered a form of academic dishonesty and will result in a zero grade for the assignment and possible disciplinary action. If you have any questions about what constitutes ethical and responsible use of AI tools, please consult with the instructor **before** submitting your work.

NOTE: Some instructors will also list specific acceptable and unacceptable uses or include a statement like “All written assignments, projects, and exams must be completed independently.”

BIO 101 Tentative Course Schedule

<u>DATE</u>	<u>TOPIC</u>
Weeks 1-3	Introduction to life Biochemistry and energy
Weeks 3-5	Biochemistry continued, cells and tissues Cells and tissues continued
Weeks 5-8	Photosynthesis and respiration Genetics and inheritance
Weeks 8-12	Genetics and DNA technology DNA technology
Weeks 12-13	Evolutionary theory Prokaryotes and Protists
Weeks 13-15	Plant Diversity Animal Diversity Classification Populations, Communities & Ecosystems
Week 15	Research Projects
Week 16	Review & Final Exam

Disclaimer: "The instructor reserves the right to amend this syllabus as deemed necessary and will communicate such amendment to the students in the course."