

JAMESTOWN COMMUNITY COLLEGE
State University of New York

INSTITUTIONAL COURSE SYLLABUS

Course Title: Human Biology Lab

Course Abbreviation and Number: BIO 1502

Credit Hours: 1

Course Type: Lab

Course Description: This laboratory course explores the basic biological structures, systems and processes that define human life. Lab experiences will supplement the content being covered in the corresponding lecture: chemical basis of life, cellular structure and metabolism, tissues, and an overall survey of the organ systems of the body.

Eligibility: ENG 1510 without supports or **Corequisite:** ENG 1510 with supports and **Corequisite:** BIO 1501.

General Education Requirements Met

SUNY

Natural Sciences

JCC

Scientific Reasoning

Student Learning Outcomes:

Students who demonstrate understanding can:

1. Identify the basic structures of major organ systems covered. Application of scientific data, concepts, and models in one of the natural sciences.

Demonstrate an understanding of the methods scientists use to explore natural phenomena, including observation, hypotheses development, measurement and data collection, experimentation, evaluation of evidence, and employment of data analysis or mathematical modeling. [SUNY Gen Ed – Natural Sciences SLO1]

Topics Covered:

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|---------------------------------|----------------------------------|--------------------------------|
| • Chemistry of Life | • Digestive System and Nutrition | • Nervous System |
| • Cell Structure and Function | • Respiratory System | • Senses |
| • Cardiovascular System | • Urinary System | • Endocrine System |
| • Lymphatic System and Immunity | • Skeletal System | • Reproductive System/Genetics |
| | • Muscular System | • Development and Aging |
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Information for Students

- Expectations of Students
 - [Civility Statement](#)
 - [Student Responsibility Statement](#)
 - [Academic Integrity Statement](#)
- [Accessibility Services](#)
Students who require accommodations to complete the requirements and expectations of this course because of a disability must make their accommodation requests to the Accessibility Services Coordinator.
- [Get Help: JCC & Community Resources](#)
- [Emergency Closing Procedures](#)
- Course grade is determined by the instructor based on a combination of factors, including but not limited to, homework, quizzes, exams, projects, and participation. Final course grade can be translated into a grade point value according to the following:

A=4.0	B+=3.5	B=3	C+=2.5	C=2	D+=1.5	D=1	F=0
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- Veterans and active duty military personnel with special circumstances (e.g., upcoming deployments, drill requirements, VA appointments) are welcome and encouraged to communicate these to the instructor.
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Effective Date: Fall 2026