

**JAMESTOWN COMMUNITY COLLEGE**  
**State University of New York**

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**INSTITUTIONAL COURSE SYLLABUS**

**Course Title:** Biology of Insects

**Course Abbreviation and Number:** BIO 1540

**Credit Hours:** 1 credit hour.

**Course Type:** Lecture

**Course Description:** This course studies insects, the most abundant and diverse group of animals on our planet. Students will learn about basic anatomy and physiology, evolutionary history, classification and identification, behavior, and ecological and economic importance. Field trips and a small insect collection are required. Outdoor fieldwork included.

**Eligibility:** ENG 1510 without supports or **Corequisite:** ENG 1510 with supports.

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**Student Learning Outcomes:**

Students who demonstrate understanding can:

1. Identify and compare insect morphologies to other animals.
  2. Utilize scientific classification, organization, and taxonomic nomenclature.
  3. Explain the principle of evolution and its application to the evolutionary history of insects.
  4. Identify environmental influences on insect survival, reproduction, and evolutionary pathways and how environmental changes have impacted their ecological and economic importance.
  5. Apply a basic knowledge of the evolution of insect behaviors.
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**Topics Covered:**

- Field Observation Techniques
  - Study of Arthropods: general features, evolutionary history
  - Basic insect anatomy & physiology
  - Insect classification and identification
  - Insect collecting skills and techniques
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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 2021