

BIOL 4861 - Senior Biology Capstone Experience

Fall 2026 Syllabus, Section 02, CRN 41077,

Credit hours: 2

Instructor

Jonathan Caguiat

Public Instructor Information

Jonathan Caguiat

Professional Qualifications:

Postdoctoral, Microbiology, The University of Georgia

Ph. D., Microbiology, The Michigan State University

Bachelor's, Biology – Cell & Molecular Biology, The University of Michigan

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Course Description

4861. Senior Biology Capstone Experience. A capstone experience for the major in Biological Sciences (B.A. or B.S. degree). Prereq.: Senior status in Biological Sciences, completion of at least one 3700 and 4800 level laboratory course. 2 s.h.

Course Readings

Group	Title	Author	ISBN
Required			

Students will use peer-reviewed journal articles from PubMed to write a research paper and prepare a biology-related debate

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Tentative Course Schedule

Day	Date	Reading(s)	Proposed Topic	Due/To Prepare for Class
Fri	8/28	Syllabus No Seminar	Introduction	
Fri	9/4	Discuss Debates Seminar.	Discuss Debates	
Fri	9/11	Discuss Career Assignment Seminar.	Career Assignment	
Fri	9/18	Seminar.	Work in Groups on Debates	
Fri	9/25	Seminar.	Work in Groups on Debates	
Fri	10/2	Written Career Assignment Due Seminar	Oral Career Assignment Presentation	10/2/26
Fri	10/9	Seminar.	Oral Career Assignment Presentation	10/9/26
Fri	10/16	Seminar.	Discuss Mendeley Reference Manager	
Fri	10/23	Seminar.	Work in Groups on Debates	
Fri	10/30	Outline of Assessment Paper and References Due	Work in Groups on Debates	10/30/26
Fri	11/6	Seminar.	Work in Groups on Debates	

Fri	11/13	First Draft – Assessment Paper Due Seminar:	Work in Groups on Debates	11/13/26
Fri	11/20	Senior Evaluation of Biology Program Due Seminar:	Work in Groups on Debates	11/20/26
Fri	11/27	No Class		
Fri	12/4	Debate Presentations Seminar		12/4/26
Fri	12/11	Capstone Exam	Available online during finals week	12/11/26
		Upload Second Draft of the Assessment Paper to ROAD		12/11/26

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.