

**BIOL/BIMS**  
**3306.001**  
**SPRING 2026**

The University of Texas at Dallas

## TOPICS IN BIOLOGICAL SCIENCE- PARASITOLOGY

 PG. 1-2

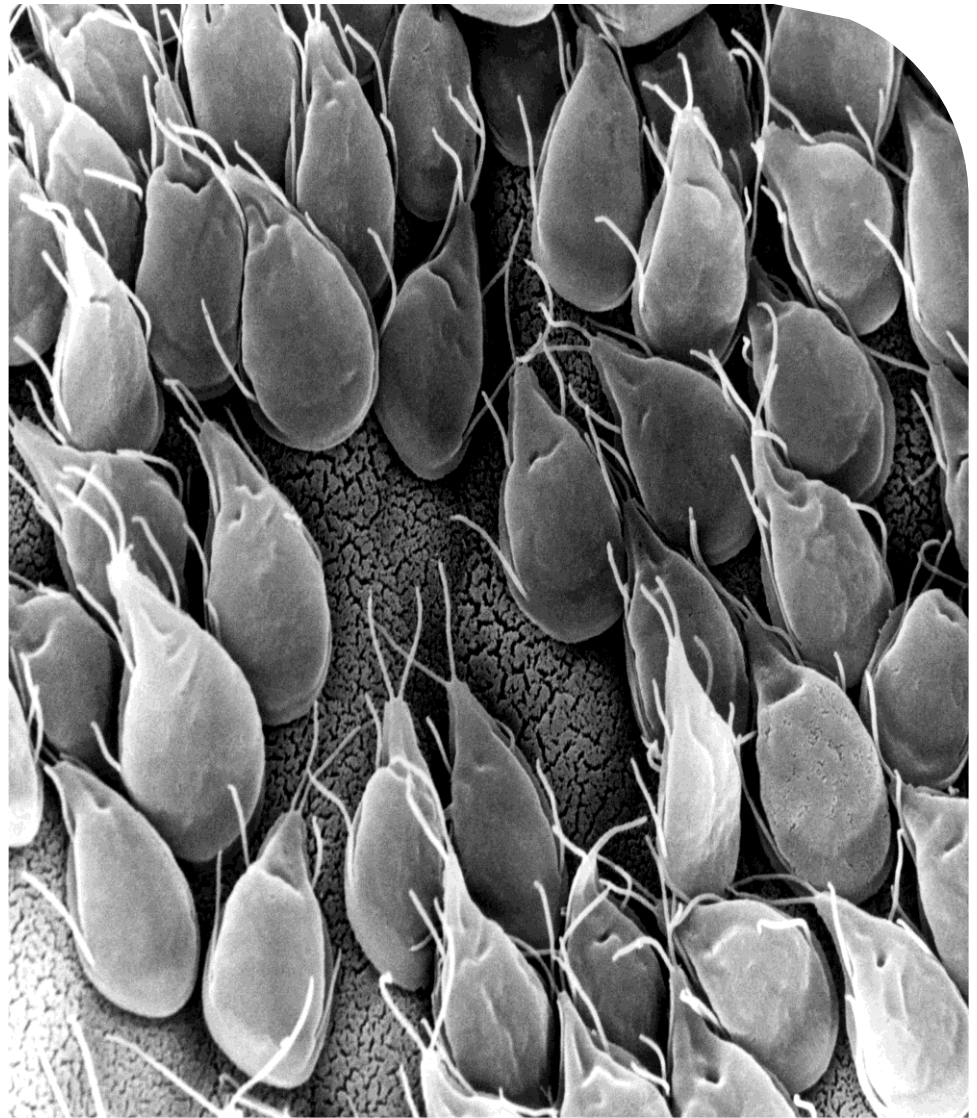
Instructor Info/Rooms/Times, Course  
Information, and Textbook

 PG. 3

Grading

 PG. 4-5

Schedule and Course Policies



January 20, 2026 -  
May 8, 2026

Mon., Wed.

8:30 am-9:45 am

FN 2.302



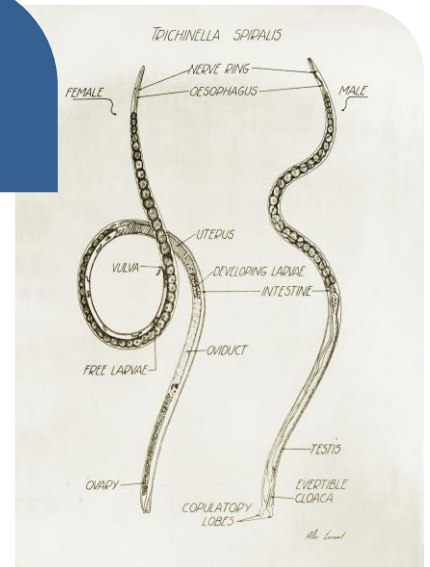
### COURSE DESCRIPTION

This is a 3-credit hour lecture that teaches the fundamentals of parasitology. The objective of this course is to gain basic knowledge on the diversity of existing parasites and their life cycle, host-parasite relationships, parasite evasion, host pathology and defense mechanisms, as well as vaccine development.

**Instructor:** Dr. Amy Jo M. Gómez  
**E-mail:** [AmyJo.Gomez@UTDallas.edu](mailto:AmyJo.Gomez@UTDallas.edu)

**Office Hours:** Wed 11:30-12:30  
FN 3.104. Other times by appointment.

# BIOL/BIMS 3306.001



## Student Learning Outcomes:

### Upon completion of this class students will be able to...

1. Understand the terms associated with parasitology
2. Appreciate the diversity of parasite species
3. Analyze the challenges of parasite control
4. Present a comprehensive overview of the life of parasites
5. Apply their knowledge on parasitic diseases and present/build a case study
6. Comprehend host defense mechanisms and methods of evasion of parasites

## Objectives:

1. **Critical Thinking (CT)**—to include creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information
2. **Communication (COM)**—to include effective development, interpretation, and expression of ideas through written, oral, and visual communication.
3. **Teamwork (TW)**—to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal.

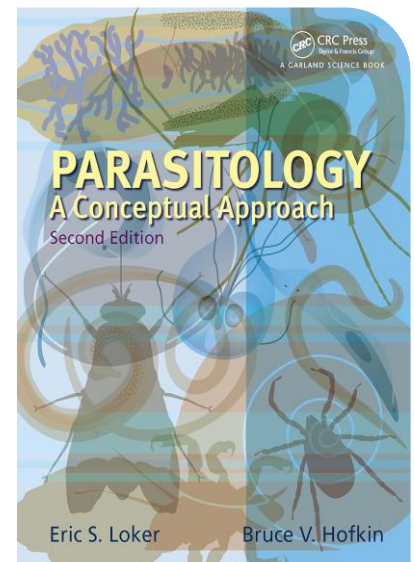
**Course Co-requisites, Pre-requisites, and/or Other Restrictions:** Satisfactory Completion of BIOL 2281 or CHEM 2401 or Equivalent, BIOL 2311 and BIOL 2312 or Equivalent

**Accommodations for Students with Disabilities:** The University of Texas at Dallas is committed to providing reasonable accommodations for all persons with disabilities. The syllabus is available in alternate formats upon request. If you are seeking classroom accommodations under the Americans with Disabilities Act (2008), you are required to register with the [AccessAbility Resource Center \(ARC\)](#), located in the Administration Building, Suite 2.224. They can be reached by [email](#), calling 972-883-2098, or at their [website](#). To receive academic accommodations for this class, please register and request services by completing the Request for Services form with the proper documentation and meeting with the Director of ARC at the beginning of the semester.

## Recommended Text

Loker, Eric S. and Bruce V. Hofkin 2015. *Parasitology: A Conceptual Approach*, Garland Science, Taylor & Francis Group, New York and London. ISBN 978-0-8153-4473-5

**This class is 100% in person and lectures will not normally be recorded.** The course will include PowerPoint lectures, videos, and other pertinent materials will be available on eLearning.





## GRADING POLICIES

**Lecture Exams:** There will be two exams given in the testing center. Exams will include mostly multiple-choice questions, fill-in-the-blanks, short answers, true/false questions, drawing, matching and calculations. There will be no make-up exams unless there is a valid University excused absence, in which case it will be scheduled in the testing center.

**Assignments and Quizzes:** Eleven quizzes will be given mostly on materials that were covered the week before. No grades are dropped. The poster will be an individual assignment, and the case study presentation will be a team assignment. There will be team activities during class time. Each person is expected to contribute to the team.

**Attendance:** Students are expected to be on time to lecture. Attendance will be recorded. Any unexcused absence will result in a 2-point deduction. Excused absences as defined in the Student Handbook of the university will be accepted.

**Accommodations for students who must isolate or quarantine due to COVID 19:** Students who test positive for COVID 19 or who have been close contacts, should report to the instructor and a decision can be made with regards to any work missed due to that.

If you have questions about the grading or your performance, please see me as soon as possible.



## GRADING RUBRIC

	Points	Total Possible Points	% of Final Grade
Exams (2)	100	200	40%
Quizzes (10)	10	100	20%
Individual Poster	50	50	10%
Team Case Study Presentation	50	50	10%
Team Activities (10)	4	40	8%
Attendance	2	60	12%
Total		500	100%



## GRADING SCALE

Points Earned	Percentage	Letter Grade	Points Earned	Percentage	Letter Grade
>485	97-100%	A+	>380	76-78%	C+
>460	92-96%	A	>360	72-75%	C
>445	89-91%	A-	>345	69-71%	C-
>430	86-88%	B+	>330	66-68%	D+
>410	82-85%	B	>310	62-65%	D
>395	79-81%	B-	>295	59-61%	D-

**LETTER GRADES:** Although letter grades may be provided after the midterm, these should be treated only as a reflection of your relative performance when compared to the rest of the class. The final course grade will not be based on these letter grades, but on the scores of exams, quizzes, team activities, and attendance (see rubric above). Final grades will be assigned according to the points earned, not the percentage.



# SCHEDULE OF LECTURES

The descriptions and timelines contained in this syllabus are **subject to change** at the discretion of the Professor.

Week	Date (M/W)	Chapter: Topic	Assessment	Assignments Due
1	Jan 21	1: Introduction		
2	Jan 26/28	2: Overview of Parasite Diversity	Quiz 1	
3	Feb 02/04	3: Parasites Way of Life	Quiz 2	
4	Feb 09/11	Immunology	Quiz 3	Poster Draft Due Feb 13
5	Feb 16/18	4: Host Defense and Parasite Evasion	Quiz 4	
6	Feb 23/25	5: Parasite Vs. Host	Wed-Exam 1 (1-4)	Poster Feedback Feb 27
7	Mar 02/04	5: Parasite Vs. Host	Quiz 5	
8	Mar 09/11	6: Ecology	Quiz 6	Poster Due-Mar 13
9	Mar 16/18	<b>Spring Break</b>		
10	Mar 23/25	9: Parasite Control		
11	Mar 30/Apr 01	10: Future of Parasitology	Quiz 7	
12	Apr 06/08	Protozoa	Wed-Exam 2 (5, 6, 9, 10)	Presentation Draft Due Apr 10
13	Apr 13/15	Platyhelminthes	Quiz 8	
14	Apr 20/22	Nematodes	Quiz 9	Presentation Feedback Apr 24
15	Apr 27/29	Arthropods	Quiz 10	
16	May 04/06	<b>Presentations</b>		

## Course Policies



### CLASS ATTENDANCE

The University's attendance policy requirement is that individual faculty set their course attendance requirements. Regular and punctual class attendance is expected. Students who fail to attend class regularly are inviting scholastic difficulty. In some courses, instructors may have special attendance requirements; these should be made known to students during the first week of classes.

**ACADEMIC SUPPORT:**

Please visit the [Academic Support Resources](#) page to view the University's academic support resources for all students.



### CLASS PARTICIPATION

Regular class participation is expected. Students who fail to participate in class regularly are inviting scholastic difficulty. A portion of the grade for this course is directly tied to your participation in this class. It also includes engaging in group or other activities during class that solicit your feedback on homework assignments, readings, or materials covered in the lectures (and/or labs). Class participation is documented by faculty. Successful participation is defined as consistently adhering to University requirements, as presented in this syllabus. Failure to comply with these University requirements is a violation of the Student Code of Conduct.



## CLASS MATERIALS

The instructor may provide class materials that will be made available to all students registered for this class as they are intended to supplement the classroom experience. These materials may be downloaded during the course; however, these materials are for registered students' use only. Classroom materials may not be reproduced or shared with those not in class or uploaded to other online environments except to implement an approved AccessAbility Resource Center accommodation. Failure to comply with these University requirements is a violation of the [Student Code of Conduct](#).



## CLASS RECORDINGS

Students are expected to follow appropriate University policies and maintain the security of passwords used to access recorded lectures. Unless the AccessAbility Resource Center has approved the student to record the instruction, students are expressly prohibited from recording any part of this course. Recordings may not be published, reproduced, or shared with those not in the class, or uploaded to other online environments except to implement an approved AccessAbility Resource Center accommodation. Failure to comply with these University requirements is a violation of the [Student Code of Conduct](#).

The instructor may record meetings of this course. These recordings will be made available to all students registered for this class if the intent is to supplement the classroom experience. If the instructor or a UTD school/department/office plans any other uses for the recordings, consent of the students identifiable in the recordings is required prior to such use unless an exception is allowed by law.

### COMET CREED

*This creed was voted on by the UT Dallas student body in 2014. It is a standard that Comets choose to live by and encourage others to do the same:  
“As a Comet, I pledge honesty, integrity, and service in all that I do.”*