

**Parasitology**  
**BIOL 3v00.002**  
**Fall 2024**  
**School of Mathematics and Natural Sciences**  
**The University of Texas at Dallas**

Course Title: Parasitology Lecture, 3 semester hours

Day of the week	Time	Location	Instructor
Monday/Friday	10:00 am – 11:15 am	ECSW 2.325	Eva Sadat

Course Start/End Date: Aug 19th – Dec 5th

**Professor Contact Information**

Dr. Eva Sadat  
Office phone: (972) 883-2509  
Office location: SLC 2.408  
Email: eva.sadat@utdallas.edu  
Office hours: Mon 11:30-12:30pm, Tue 2-3pm,

**Course Pre-requisites**

1. Satisfactory completion of BIOL 2281 or CHEM 2401 or equivalent
2. Satisfactory completion of BIOL 2311 and BIOL 2312 or equivalent

**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.

**Student Learning Objectives/Outcomes**

***Upon completion of this class:***

- Students will be able to understand the terms associated with parasitology
- Students will be able to appreciate the diversity of parasite species
- Students will be able to analyze the challenges of parasite control
- Students will be able to present a comprehensive overview of the life of parasites
- Students will be able to apply their knowledge on parasitic diseases and present/build a case study
- Students will be able to comprehend host defense mechanisms and methods of evasion of parasites

**Suggested Course Materials**

Highly recommended:

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

Instructional Mode: In-person

Course Platform: PowerPoint lectures, videos, and other pertinent materials will be available on eLearning.

**Course outline/calendar:**

<b>Dates</b> Mon/Fri	<b>Chapters/Topics</b>	<b>Quizzes due</b>	<b>Assignments due</b>
<b>Week 1</b> 8/19, 8/23	Chapter 1: An introduction to Parasitism		
<b>Week 2</b> 8/26, 8/30	Chapter 2: An overview of parasite diversity	Quiz 1: Chapter 1	
<b>Week 3</b> 9/6	Chapter 3: The parasite's way of life	Quiz 2: Chapter 2	
<b>Week 4</b> 9/9, 9/13	Chapter 3 cont. Chapter 4: Host defense and parasite evasion	Quiz 3: Chapter 3	Poster draft due
<b>Week 5</b> 9/16, 9/20	Chapter 4: Host defense and parasite evasion	Quiz 4: Chapter 4	
<b>Week 6</b> 9/23, 9/27	Midterm Exam, Begin Chapter 5		Poster feedback
<b>Week 7</b> 9/30, 10/4	Chapter 5: Parasite vs. Host		
<b>Week 8</b> 10/7, 10/11	Chapter 5: Parasite vs. Host/Begin Chapter 9	Quiz 5: Chapter 5	Poster due
<b>Week 9</b> 10/14, 10/18	Chapter 9: The challenge of Parasite control		
<b>Week 10</b> 10/21, 10/25	Chapter 10: The future of parasitology	Quiz 6: Chapter 9	
<b>Week 11</b> 10/28, 11/1	Final Exam, Begin protozoa	Quiz 7: Chapter 10	
<b>Week 12</b> 11/4 – 11/8	Protozoa, Platyhelminthes		Presentation draft due
<b>Week 13</b> 11/11, 11/15	Platyhelminthes, Nematode	Quiz 8: Protozoa, Platyhelminthes	
<b>Week 14</b> 11/18, 11/22	Nematodes, Arthropods	Quiz 9: Nematodes	Presentation feedback
<b>Week 15</b> 11/25, 11/29	No classes, Fall break		
<b>Week 16</b> 12/2, 12/6	Presentations	Quiz 10: Arthropods	In-class Presentations

## Grading Policy

(including percentages for assignments, grade scale, etc.)

**10 online quizzes 10 points each = 100 points**

**Individual poster: 50 points**

**Case presentation in a group: 50 points**

**Midterm exam: 100 points**

**Final exam 100: points**

**Participation and attendance 2 x 30 = 60 points**

A break-down of the grading is presented below:

Assignments	Score	Percentage
Quizzes 10 @ 10 points each	100	21.74
Mid-term Exam	100	21.74
Final lab Exam	100	21.74
Individual Poster	50	10.87
Group presentation	50	10.87
Lecture attendance @ 2 points each	60	13.04
Total	460	100

The final course grades will be assigned based upon the standard grading scale below. The grades will be assigned according to the points earned, not the percentage.

<u>Points Earned / Percentage</u>	<u>Letter Grade</u>	<u>Points Earned/Percentage</u>	<u>Letter Grade</u>
>446 / 97-100%	A+	>349 / 76-78%	C+
>423 / 92-96%	A	>331 / 72-75%	C
>409 / 89-91%	A-	>317 / 69-71%	C-
>395 / 86-88%	B+	>303 / 66-68%	D+
>377 / 82-85%	B	>285 / 62-65%	D
>363 / 79-81%	B-	>271 / 59-61%	D-

### Course & Instructor Policies:

**Classroom materials:** All lecture materials will be posted on eLearning and must be checked regularly. The materials may be downloaded during the course. However, the materials are for current registered students only. Classroom materials may not be shared with those not in class or uploaded to other online environments including Chegg, Course Hero, etc. Failure to comply with this is a violation of Student Code of Conduct and will be reported to OCSC (Office of Community Standards and Conduct).

**Lecture Exams:** Midterm and final exams will be in-person and will include mostly multiple-choice questions, fill-in-the-blanks, short answers, true/false questions, and matching and calculations.

**Assignments and quizzes:** The quizzes will be mostly on the materials that were covered in the week before and will be online. The poster will be an individual assignment, and the presentation will be a group assignment.

**Attendance and class participation:**

Students are expected to be on time to lecture. Attendance will be recorded. Excused absences as defined in the Student Handbook of the university will be accepted.

**Exam missed:** 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.

**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.

**Academic Integrity:**

UTD faculty expect a high level of responsibility and academic honesty. Because the value of an academic degree depends upon the absolute integrity of the work done by the student for that degree, it is imperative that each student demonstrates a high standard of individual honor in his or her scholastic work. Scholastic dishonesty includes, but is not limited to, statements, acts or omissions related to the submission as one's own work or material that is not one's own. In general, scholastic dishonesty involves one of the following acts: cheating, plagiarism, collusion, and/or falsifying academic records. Students suspected of academic dishonesty are subject to disciplinary proceedings. Consultation with any tutoring service/"homework help" websites (common examples include Chegg, Course Hero, and internet searches), taking of screenshots/photos/audio recordings, phone usage, and/or consultations with other students during exams are strictly forbidden.

**Office hours:**

Office hours will be in-person. Meetings can also be arranged on TEAMS by contacting the instructor by email and setting up a time.

If you have any problems with your UTD account or with the UTD eLearning server, you may send an email to: [assist@utdallas.edu](mailto:assist@utdallas.edu) or call the UTD Computer Helpdesk at: **972-883-2911**.

**Interaction with Instructors:** The instructor will communicate with students using the Announcements tool on eLearning or UTD e-mail.

Students may send personal concerns or questions to the instructors using UTD e-mail address provided or by chat on TEAMS. The instructor will reply to student emails within 2 working days under normal circumstances. Students need to use their UTD account e-mail/TEAMS to receive an answer.

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**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."*

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## UT Dallas Syllabus Policies and Procedures

The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus. Please go to <https://go.utdallas.edu/syllabus-policies> for these policies

### University Policies

This course will follow all the rules and regulations as set forth by the University which can be accessed at the current UTD website (<http://www.utdallas.edu>). Please consult this website for additional important information concerning:

Student Conduct & Discipline  
Disability Services  
Copy Right Laws  
Incomplete Grade Policy

Student Grievance Procedures  
Religious Holy Days  
Early Class Withdraw  
Email Use

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

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"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, located in the Administration Building (AD), Suite 2.224. Their phone number is 972-883-2098, email: [accessability@utdallas.edu](mailto:accessability@utdallas.edu) and website is [https://accessability.utdallas.edu\(opens in a new tab\)](https://accessability.utdallas.edu(opens in a new tab)) . To receive academic accommodations for this class, please obtain the proper AccessAbility Resource Center letter of accommodation and meet with me at the beginning of the semester."