

Biology 3322.03 PARASITOLOGY, 2019

Dr. Tatiana Rossolimo

E-mail: trossoli@dal.ca

Course description:

The course emphasizes the parasite-host relationships, evolution of the parasites and adaptations to the host, modifications of physiology, structure and life cycle for a parasitic existence. Since the most extensive research pertains to parasites of man, the emphasis is on human parasites.

Course Objectives/Learning Outcomes:

List of knowledge/skills student should have after completing course

Knowledge of parasite's taxonomy, anatomy, physiology, life cycles.

Knowledge of symptoms, ways of transmission and treatment of vector-borne and parasitic diseases.

Skills to recognize parasites

Skills to work in the lab with preserved parasites.

Experience in DNA testing.

Organization:

We are scheduled for one 160-minute lecture plus one three-hour lab per week.

Lectures on Tuesday @ 5:35 PM - 8:25 PM in HENRY HICKS ACADEMIC 212

Labs on Tuesday @ 11:35 – 14:25; @14:35 – 17:25; on Thursday @ 11:35 – 14:25; 14:35- 17 in LSC-BIOL&EARTH B5012

Office hours: Tuesday 16:30 - 17:30 office 3123, LSC and Tuesday 20:30 - 21:30, HENRY HICKS ACADEMIC 212.

Grading:

Two quizzes totaling 40% (20% each) and final lab exam (25%) cover subjects from lectures, labs, and reading. The final lab exam is a comprehensive exam including all taxa from the beginning of the course. The exam and quizzes include a wide variety of questions and problems, some based on taxonomy of the organisms, many based on their anatomy, some based on their functional biology, natural history, life cycles and host-parasite relationship, some based on medical significance of parasites and drugs used to cure diseases caused by parasites.

Do not miss the exam. Any make-up exam (by prior arrangement or in dire emergency) consists of a two-hour oral examination covering the same general areas of the written exam.

The remainder of the semester grade is based on the laboratory work: lab. notebook (10%); mini lab report, DNA extraction and PCR(10%); pop quizzes, attendance, wtv (5%) and presentation in the class on species or taxonomic group of parasites (10%). Guidelines on keeping a notebook will be given in lab.

Important Dates:

Quizzes: October 1, and October 29.

Presentations will be done during the lab and lecture time on October 15 – November 5. Duration of presentation is 7-10 minutes.

Mini lab report on DNA extraction and PCR due October 8/10 (in the lab)

Lab notebook due before the lab exam

Date of the lab exam is November 26, 2019.

Conversion of numerical grades to Final Letter Grades follows the Dalhousie Common Grade Scale

A+ (90-100)	B+ (77-79)	C+ (65-69)	D	(50-54)
A (85-89)	B (73-76)	C (60-64)	F	(<50)
A- (80-84)	B- (70-72)	C- (55-59)		

Recommended textbook (not mandatory):

G.D.Schmidt &L.S.Roberts. Foundations of parasitology. Any edition, McGraw-Hill Higher Education

Website: www.tatiana.rossolimo.com

Faculty of Science Course Syllabus (Section B) (revised 29-August-2017)

Parasitology BIOL3322

Please ensure that the following information on University Policies and Student Resources is available to all students in your course. This document may be posted on your Brightspace course site, or elements may be copied into your **Course Syllabus, Section A**.

University Policies and Statements

This course is governed by the academic rules and regulations set forth in the University Calendar and by Senate

Academic Integrity

At Dalhousie University, we are guided in all of our work by the values of academic integrity: honesty, trust, fairness, responsibility and respect (The Center for Academic Integrity, Duke University, 1999). As a student, you are required to demonstrate these values in all of the work you do. The University provides policies and procedures that every member of the university community is required to follow to ensure academic integrity.

Information: https://www.dal.ca/dept/university_secretariat/academic-integrity.html

Accessibility

The Advising and Access Services Centre is Dalhousie's centre of expertise for student accessibility and accommodation. The advising team works with students who request accommodation as a result of a disability, religious obligation, or any barrier related to any other characteristic protected under Human Rights legislation (Canada and Nova Scotia).

Information: https://www.dal.ca/campus_life/academic-support/accessibility.html

Student Code of Conduct

Everyone at Dalhousie is expected to treat others with dignity and respect. The Code of Student Conduct allows Dalhousie to take disciplinary action if students don't follow this community expectation. When appropriate, violations of the code can be resolved in a reasonable and informal manner—perhaps through a restorative justice process. If an informal resolution can't be reached, or would be inappropriate, procedures exist for formal dispute resolution.

Code: https://www.dal.ca/dept/university_secretariat/policies/student-life/code-of-student-conduct.html

Diversity and Inclusion – Culture of Respect

Every person at Dalhousie has a right to be respected and safe. We believe inclusiveness is fundamental to education. We stand for equality. Dalhousie is strengthened in our diversity. We are a respectful and inclusive community. We are committed to being a place where everyone feels welcome and supported, which is why our Strategic Direction prioritizes fostering a culture of diversity and inclusiveness

Statement: <http://www.dal.ca/cultureofrespect.html>

Recognition of Mi'kmaq Territory

Dalhousie University would like to acknowledge that the University is on Traditional Mi'kmaq Territory. The Elders in Residence program provides students with access to First Nations elders for guidance, counsel and support. Visit or e-mail the Indigenous Student Centre (1321 Edward St) (elders@dal.ca).

Information: https://www.dal.ca/campus_life/communities/indigenous.html

Important Dates in the Academic Year (including add/drop dates)

https://www.dal.ca/academics/important_dates.html

University Grading Practices

https://www.dal.ca/dept/university_secretariat/policies/academic/grading-practices-policy.html

Student Resources and Support

Advising

General Advising https://www.dal.ca/campus_life/academic-support/advising.html

Science Program Advisors: <https://www.dal.ca/faculty/science/current-students/academic-advising.html>

Indigenous Student Centre: https://www.dal.ca/campus_life/communities/indigenous.html

Black Advising Centre: https://www.dal.ca/campus_life/communities/black-student-advising.html

International Centre: https://www.dal.ca/campus_life/international-centre/current-students.html

Academic supports

Library: <https://libraries.dal.ca/>

Writing Centre: https://www.dal.ca/campus_life/academic-support/writing-and-study-skills.html

Studying for Success: https://www.dal.ca/campus_life/academic-support/study-skills-and-tutoring.html

Copyright Office: <https://libraries.dal.ca/services/copyright-office.html>

Fair Dealing Guidelines <https://libraries.dal.ca/services/copyright-office/fair-dealing.html>

Other supports and services

Student Health & Wellness Centre: https://www.dal.ca/campus_life/health-and-wellness/services-support/student-health-and-wellness.html

Student Advocacy: <https://dsu.ca/dsas>

Ombudsperson: https://www.dal.ca/campus_life/safety-respect/student-rights-and-responsibilities/where-to-get-help/ombudsperson.html

Safety

Research Lab Safety https://www.dal.ca/content/dam/dalhousie/pdf/dept/safety/lab_policy_manual_2007.pdf

Biosafety: <https://www.dal.ca/dept/safety/programs-services/biosafety.html>

Chemical Safety: <https://www.dal.ca/dept/safety/programs-services/chemical-safety.html>

Radiation Safety: <https://www.dal.ca/dept/safety/programs-services/radiation-safety.html>

Scent-Free Program: <https://www.dal.ca/dept/safety/programs-services/occupational-safety/scent-free.html>