



TROPICAL DISEASES IN LATIN AMERICA

COURSE DESCRIPTION

Tropical medicine is an interdisciplinary branch of medicine that deals with health issues that occur uniquely, are more widespread, or are more difficult to control in tropical and subtropical regions. In this course we will cover some of the most common tropical diseases, with a special focus on the neglected tropical diseases and their impact in world's health.

This program is intended to create a unique interdisciplinary professional experience for students interested in tropical medicine and diseases. Tropical medicine research holds a special place as an important activity that, as a consequence of multiple factors, such as globalization and migration, has extended and reaffirms its importance not only in tropical developing countries, but also in non-endemic areas in the developed countries.

The course provides students with concepts and updated material that will allow them to learn about common tropical diseases. Students prepare for each class by reading and reviewing chapters from the textbook. The instructor will review important concepts in class for each week's material. Because of the seminar approach of this course, students will work independently or in groups to develop investigative, writing, and presentation skills, as well as participate in open class discussions.

COURSE PREREQUISITES

This course has no prerequisites.

METHODOLOGY

The course methodology is based in readings from chapters in the text: Mansons Tropical Infectious Diseases 23rd Edition; Tropical Diseases A Practical Guide for Medical Practitioners and Students.

Students are required to read the chapters to be reviewed during the week previous to the lesson. Readings will be reviewed in class and a participatory discussion of each of the topics will be



conducted to ensure full understanding. Students will work in small groups to discuss cases related to the readings and learn to differentiate between tropical diseases and their key characteristics in these in-class analytical sessions.

The class instructor will make use of email to complement coursework material with current course-related matters. Students are responsible for checking their email on a regular basis, as health care issues in progress during the week will be tracked this way.

In terms of evaluation, students will have an opportunity to demonstrate what they have learned via two tests and a paper profiling and analyzing a disease, as well as making recommendations based on the disease in question and current health issue in Latin America.

EVALUATION

Class participation/attendance	20 %
Midterm exam	20%
Paper/ final presentation	40%
Final exam	20 %

Item	Description	Total Points
Midterm exam	Written exam on subjects of first part of course	20%
Paper/ final presentation	Final paper about a neglected tropical disease, that includes 1) full description and profile of the disease with the methodology seen in class. 2) health recommendations to prevent and treat the disease, and global recommendations. The paper should be between five (5) and ten (10) pages, and will be complemented by an oral presentation, as support to analyze the disease	40%
Final exam	Written exam of all the subjects	20%

AVERAGE MINIMUM AMOUNT OF OUT-OF-CLASS OR INDEPENDENT LEARNING EXPECTED PER WEEK: 8 hours



COURSE CONTENTS

WEEK / Session	TOPIC(S)	READING ASSIGNMENT(S) DUE
1	<ul style="list-style-type: none"> • Viral Diseases o HIV – Epidemiology in the tropics o Viral Hepatitis o Dengue o Rabies o Rotavirus&other viral Diarrhea 	Viral Diseases Mansons Tropical Infectious Diseases 23 rd Edition,
2	<ul style="list-style-type: none"> • Bacterial Infections o Tropical Rickettsial Infections o Bacterial Enteropathogens o Brucellosis o Endemic treponematoses o Leptospirosis 	Bacterial Infections Mansons Tropical Infectious Diseases 23rd Edition,
3	<ul style="list-style-type: none"> • Mycobacterial Infections o Tuberculosis o Leprosy 	Mycobacterial Infections Mansons Tropical Infectious Diseases 23 rd Edition,
4	<ul style="list-style-type: none"> • Protozoal Infections o Malaria o American Trypanosomiasis: Chagas Disease o Leishmaniasis o Toxoplasmosis 	Protozoal Infections Mansons Tropical Infectious Diseases 23 rd Edition,
5	<ul style="list-style-type: none"> o Intestinal Protozoa o Trichomonas Vaginalis 	Protozoal Infections Mansons Tropical Infectious Diseases 23 rd Edition,
6	Review of midterm subjects and cases	
	Midterm exam	All past chapters
7	<ul style="list-style-type: none"> • Helminthic Infections o Schistosomiasis o Food-born trematodes o The filariases 	Helminthic Infections Mansons Tropical Infectious Diseases 23 rd Edition,
8	<ul style="list-style-type: none"> o Soil transmitted Helminths o Echinococcosis o Other cestode infections 	Mansons Tropical Infectious Diseases 23 rd Edition,
9	<ul style="list-style-type: none"> • Fungal Infection o Fungal Infections o Pneumocystis jirovecii infections • Environmental Disorders o Environmental Stress o Venomous and poisonous animals o Plant Poisons and traditional medicines 	Fungal Infection Mansons Tropical Infectious Diseases 23rd Edition
10	FINAL EXAM	
	PROJECT PRESENTATIONS/FINAL PAPERS DUE	All past chapters



BIBLIOGRAPHY

Textbooks:

Author	Title	Edition
Jeremy Farrar, Peter Hotez, Thomas Junghanss, Gagandeep Kang, David Lalloo, Nicholas White	Mansons Tropical Infectious Diseases	23 rd Ed
Camilla Rothe	Clinical Cases in Tropical Medicine	1 st Ed

SPECIAL NEEDS

In case of requiring additional time for taking exams, or if experiencing any circumstance during the course of the term that would interfere with the student's ability to complete his/her work or take a test, students should let the professor know ahead of time.



ACADEMIC INTEGRITY CODE

Students in this course are expected to abide by common sense, normal regulations on Academic Integrity. Violations of the Academic Integrity policy include, but are not limited to plagiarism, fabrication, cheating, and academic misconduct, including dishonest acts such as tampering with grades or taking part in obtaining or distributing any part of an administered or non-administered test/assignment. The intent to violate this policy also represents a violation of this policy.

Possible Sanctions for Violating Academic Integrity Policy: If an act of academic dishonesty is determined to have occurred, one or more of the following sanctions will be imposed, depending on the severity of a first-time offense:

- Reduction of a course grade
- Obtaining an "F" grade for the assignment or exam
- Failure for the entire course
- Other action deemed appropriate by the faculty member
- Any of the above sanctions with the inability to withdraw.

The decision about the sanction to apply will be made jointly by the course's professor and ICDS' Academic Director, in consultation with home university on-site Director for the program, if applicable. The incident will be reported to the home university and may result in an official conduct record for the student(s).

Second Academic Violation: A second violation will result in suspension or expulsion from the program, in addition to any sanction issued from the list above.

Changes to Syllabus: The student acknowledges receipt of this syllabus and the information herein by continuing to attend this course. The Instructor reserves the right to make changes to this syllabus if circumstances warrant such change, with previous approval of ICDS' Academic Director. All major changes will be provided to the student in writing.

SAFETY AND SECURITY

In the case of an emergency, if at all possible, the class should shelter in place. If the building that the class is in is affected, follow the evacuation procedures for the building. After evacuation, seek shelter at the ICDS Office during office hours, or go straight to your home as the predetermined rendezvous location and wait for ICDS' instructions.