TROPICAL DISEASES IN AFRICA (BI 309)
SPRING 2013

SYLLABUS & LECTURE SCHEDULE

Time and place

- Lectures, Monday & Wednesday 10-11:20PM, McKenzie 125
- Discussion sections, Wednesdays at 1PM, 2PM and 3PM, Huestis 111

Instructors

Complete information (including email & office hours) is posted on Blackboard (Bb) under "Contacts"

- Janis C. Weeks, Professor of Biology. Member, African Studies Program
- GTF (Graduate Teaching Fellow), Matt Clark
- BULA (Biology Undergraduate Lab Assistant)/BTU (Biology Tutor for Undergraduates)/course alumni: Kate Carlson and Mark Yost

Assigned materials include:

- Books/supplies (for sale at the UO Bookstore & on reserve in the Science Library)
  1. *Human Parasitology,* 4th Edition (Bogitsh, Carter & Oeltmaann)
  2. *The Hot Zone: A Terrifying True Story* (Preston)
  3. *Mountains Beyond Mountains: The Quest of Dr. Paul Farmer, a Man Who Would Cure the World* (Kidder)
  4. i>clicker (personal response system)
- Films shown in class
- Readings posted on Bb
- Weeks' PowerPoint presentations posted on Bb. To promote active listening and engagement during lectures, the ppt file will not be posted on Bb until after each lecture.

Course Goals. My goals for students in this class are:

- To understand biological and medical aspects of major parasitic and infectious diseases of sub-Saharan Africa.
- To understand basic principles of parasitology, infectious disease and epidemiology.
- To appreciate the impact of socioeconomic factors on health and healthcare delivery in Africa.
- To appreciate Africa as a place of hope and promise despite current challenges.
- To develop a foundation of concepts and skills to facilitate further learning, thinking, appreciation, action and/or careers in the area of international health.

Evaluation and grading

The final grade is computed as follows. Exams are closed-book except for one 3" x 5" double-sided card allowed at each exam, and are not cumulative except for a subset of the final exam.

- Midterm #1, 24%
- Midterm #2, 24**%**
- Final exam, 32% [24% new material (= "Midterm #3") plus 8% cumulative material]
- Other assignments, 20%. The breakdown is: in-class work, 5%; worksheets/homework, 5%; book

critiques, 10%. Assignments (other than in-class clicker questions) are graded check-minus, check or check-plus (3, 4, or 5 points, respectively, which will be converted into the appropriate percentages).

At exams, students will be directed to seats by the instructors with as much space as possible between students. Questions regarding exam scoring should be addressed first to the instructor who graded the question. If the question was graded incorrectly with respect to the official answer key, it will be corrected by the grader. Any other grading issues should be discussed with Weeks.

Class attendance, illness, missing or late assignments

Students are expected to attend all classes and arrive punctually. Please contact Weeks or Clark in case of illness or other situation that causes repeated absences or absence from an exam. Late assignments turned in after a student's discussion section will receive no higher than a check-minus. All arrangements regarding late assignments should be made with the GTF. Documentation of illness from the University Health Center may be required for a missed exam.

Make-up or early exams will not be given, and the final cannot be rescheduled. Having said this, Weeks is willing to consider exceptions in special circumstances.

Students are encouraged to study in groups and to take advantage of office hours offered by the instructors to help ensure full understanding of the material.

Affirmation of Community Standards

The University of Oregon community is dedicated to the advancement of knowledge and the development of integrity. In order to thrive and excel, this community must preserve the freedom of thought and expression of all its members. UO has a long and illustrious history in the area of academic freedom and freedom of speech. A culture of respect that honors the rights, safety, dignity and worth of every individual is essential to preserve such freedom. Respect for the rights and well-being of all members of this class are expected.

Academic Honesty

All work submitted in this course must be students' own and produced exclusively for this course. The use of sources (ideas, quotations, paraphrases, images) must be properly acknowledged and documented. For the consequences of academic dishonesty, refer to the Schedule of Classes published quarterly. Violations are taken seriously and are noted on student disciplinary records. If in doubt regarding policies, please consult me. Students are encouraged to study together and work on assignments in groups; however, unless specified otherwise, each student must submit her/his individual written work that does not duplicate others' work.

Intellectual property and copyright

The course website may contain copyrighted works that are included with permission of the copyright owner, or under exemptions provided by U.S. Copyright Law (Sections 110, and/or 107). Course materials (including photographs) may not be redistributed without the instructor's permission.

Disability Resources

Students with disabilities: The UO and the instructor aim to provide inclusive learning environments for everyone. If there are aspects of the instruction or design of this course that result in barriers to your participation, please notify me as soon as possible. You are also welcome to contact Disability Services in 164 Oregon Hall at 346-1155 or disabsrv@uoregon.edu.

Lecture Schedule

See next page. Subject to change.

LECTURE SCHEDULE (subject to change)

Week	Date	Day	Lecture
1	April 1	M	The African continent; parasite/host relationships
	3	W	Protozoal diseases
2	8	M	Protozoal diseases, cont'd.
	10	W	Trematode diseases
3	15	M	Trematode diseases, cont'd.
	17	W	***MIDTERM EXAM #1***
4	22	M	Neglected Tropical Diseases (NTDs); Nematode diseases
	24	W	Parasite film festival
5	29	M	Nematode diseases, cont'd.
	May 1	W	Nematode diseases, cont'd.
6	6	M	Emerging infectious disease (EID); Viral diseases
	8	W	Viral diseases, cont'd.
7	13	M	***MIDTERM EXAM #2***
	15	W	Viral diseases, cont'd.
8	20	M	Bacterial diseases
	22	W	Guest Speaker: Rob Gertler, MD
9	27	M	***Memorial Day, no class***
	29	W	Bacterial diseases, cont'd.
10	June 3	M	Theory of demographic transition; The future
	5	W	TBA

Other important dates

- May 1: *The Hot Zone: A Terrifying True Story* assignment due
- May 15: *Mountains Beyond Mountains: The Quest of Dr. Paul Farmer, a Man Who Would Cure the World* assignment due

Midterm Exam review sessions (subject to change)

- Monday April 13, 6-7:30 PM
- Thursday May 9, 6-7:30 PM

Final Exam: Tuesday June 11, 10:15AM