Syllabus
M143 - Human Parasitology

Professor Naomi Morrissette
3213 McGaugh Hall
nmorriss@uci.edu
office hours: Thursday 2-3 PM

Dr. Osvaldo Marinotti
Vector Biology Lectures

Teaching Assistants:
- Jesus Barajas (jesusfb@uci.edu)
- Romit Bose (rbose@uci.edu)

Fall Quarter - Tuesday & Thursday Lectures
3:30-4:50 pm, Steinhaus Hall 134

Office Hours: Professor Morrissette’s office hours are Thursdays 2:00-3:00. You are encouraged to take advantage of office hours, as they function as a relaxed forum to ask questions and discuss course content.

1. Reference Text: “Parasitic Diseases” Dickson D. Despommier, Robert W. Gwadz, Peter Hotez & Charles Knirsch, Apple Trees Productions, LLC; 5th edition (June 2005) This book has recently gone out of print; a copy is on reserve in the biomedical library.

2. Prerequisite Policy: The prerequisite to M143 is a passing grade in Bio 99. Substitution of an equivalent course from another institution requires approval by Biological Sciences Student Affairs.

3. Add, Drop and Grade Change Policy: All changes must be processed through TELE by the end of the 2nd week of classes. Drops will only be allowed after this in documented exceptional circumstances approved by the Associate Dean of Biological Sciences.

4. Examinations: In addition to weekly quizzes, two examinations MUST be taken: 1) Midterm – Thursday November 8th in class (lectures 1-10); 2) Final Exam Tuesday December 11, 2012, 4-6 PM (lectures 11-18, and some cumulative material). Make-up Exams: You must have a compelling reason to be excused for missing exams such as: 1) An immediate medical or similar emergency (you must notify me within 48 hours of the exam time and provide proper documentation); 2) A prior written arrangement made with the instructor one week before the scheduled exams. (Written requests must document an exceptional and unavoidable conflict.) Makeup exams must be completed one week after the scheduled exam, or you will receive a 0 for that exam score. Makeup
exams will include an oral exam or an extensive essay component. All emergencies and/or conflicts will be verified by the Department of Molecular Biology and Biochemistry staff for authenticity.

5. **Grading Policy:** Grades on weekly short quizzes will constitute 20% of your final grade; the midterm and final exam will each constitute 40% of your final grade. *Please assume this class is NOT curved and use the raw score that you receive to calculate your grades on exams. For example, 88/100 is an 88 or a B+ and 75/100 is a 75 or a C.* Online quizzes will begin the 3rd week of class in order to accommodate the add/drop period without penalty.

6. **Academic Honesty:** Please read the policies regarding academic honesty printed in the UCI catalog, the schedule of classes, or on the UCI web site. Cheating, plagiarism, or any other form of academic dishonesty *will not be tolerated.* The course policy is that any work so affected will result in recording of a failing grade. Any such incident will be reported to the Academic Dean and is subject to additional disciplinary action according to the terms and protections of applicable Academic Senate policies.

7. **Electronic Devices:** Cell phones, pagers, laptop computers, and all other electronic devices must be off and stored out of sight during exams. The use of these devices during an exam is considered an act of academic dishonesty and will be dealt with accordingly.

8. **Email Policy:** Students must use their UCI email address to correspond with the instructor. Messages sent from non-UCI accounts (such as gmail accounts) will be ignored. ACCESS students who do not have an email account at UCI must register an email address with Professor Morissette.

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**Lecture 1.** Thursday September 27: Introduction to the Problem of Parasites

**Lecture 2.** Tuesday October 2: Innate Immune Defenses and Parasite Infection

**Lecture 3.** Thursday October 4: Acquired Immune Defenses and Parasite Infection

**Lecture 4.** Tuesday October 9: The Kinetoplastida: *Leishmania*

**Lecture 5.** Thursday October 11: The Kinetoplastida: South American Trypanosomes
Optional reading: Parasitic Disease p. 32-38.

**Lecture 6.** Tuesday October 16: The Kinetoplastida: African Trypanosomes
Optional reading: Parasitic Disease p. 39-45.

**Lecture 7.** Thursday October 18: The Apicomplexa: *Plasmodium* 1
Optional reading: Parasitic Disease p. 50-68.

**Lecture 8.** Tuesday October 23: The Apicomplexa: *Plasmodium* 2  
Optional reading: Parasitic Disease p. 50-68.

**Lecture 9.** Thursday October 25: The Apicomplexa: *Cryptosporidium, Toxoplasma*, etc.  
Optional reading: Parasitic Disease p. 69-83, 95-98 (*Cyclospora* section only).

**Lecture 10.** Tuesday October 30: Other protozoan pathogens & protozoan Q & A  

**Lecture 11.** Thursday November 1: Vectors I  

**Lecture 12.** Tuesday November 6: Vectors II  

**MIDTERM ➤ Thursday November 8** (lectures 1-10, vector lectures on final exam)

**Lecture 13.** Tuesday November 13: The Nematodes I  
Optional reading: Parasitic Disease p. 105-174.

**Lecture 14.** Thursday November 15: The Nematodes II  
Optional reading: Parasitic Disease p. 105-174.

**Lecture 15.** Tuesday November 27: The Nematodes III  
Optional reading: Parasitic Disease p. 105-174.

**Lecture 16.** Thursday November 29: The Cestodes  
Optional reading: Parasitic Disease p. 175-211

**Lecture 17.** Tuesday December 4: The Trematodes  
Optional reading: Parasitic Disease p. 212-245

**Lecture 18.** Thursday December 6: Anti-parasitic Drugs  
Optional reading: Parasitic Disease p. 289-294 & 308-315

**FINAL EXAM ➤ Tuesday December 11, 4-6 PM** (lectures 11-18, and some cumulative material)
M143 Human Parasitology - Recommendations and Policy:

Human Parasitology is a subject that influences the global economy, production of food, public health policy, housing and urban design, sanitation engineering and many other areas that extend from a basic understanding of these infectious diseases. *It is not a simple topic, but is interesting, relevant and worthy of study.*

Professor Morrissette’s assurance to M143 students:

- I will be available to go over lecture materials during office hours or by appointment, if necessary.
- I will be available to help students develop strategies for studying for exams.
- I will communicate any changes or corrections to the class material by email in a timely fashion.
- I will ensure that all exams are graded fairly.
- I will provide letters of reference and career advice for students who are interested in related areas (public health, graduate school, professional school).
- I will draw a student name from a hat during each lecture. Students (in groups of 4) will be invited to lunch with me (at BC’s). If the student is not in class, he/she will forfeit this opportunity.

Professor Morrissette’s expectations for M143 students:

- I understand that the midterm examination will be on **November 8** (lectures 1-10) and the final examination will be given on **December 11, 4-6 PM**.
- I understand that I must complete weekly quizzes administered through EEE.
- I understand that some or all of the exam questions will be short answer rather than multiple choice format and that the final exam will have some cumulative content.
- I understand that after each lecture, I should go over the notes that I have taken during lecture for the class and that I should study a minimum of 3-4 hours for each class lecture each week (6-8 hours/week).
- I understand that although attendance in lectures is not mandatory (I am an adult), Professor Morrissette will be most receptive to students who demonstrate that they are using all available resources to master the course material.

*I have gone over the contents of the class syllabus with Professor Morrissette.*

Student name (printed):________________________________________________________

Student name (signed):_________________________________________________________

SID number:___________________ Date:__________________________________________