IM 618 Clinical Tropical Medicine
Fall Semester - 2017
Updated: 06/02/2017

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Notice to Students: Although Elective syllabi at MSUCOM have a consistent format; vitally important
details differ by Elective. For this reason, you must read the syllabus thoroughly at the onset of each
elective to understand what educational activities will be provided and what is expected of you.
Section 1 – Elective Information

Elective Description
This 2-credit elective is meant to provide an introduction to the practice of clinical medicine in resource-challenged settings. The focus of the course is on Africa, because of the clinical electives offered by MSU-COM for fourth year students, but much of the content will be relevant in other settings.

The course begins with the “classic” tropical diseases, and then moves to a more symptom-based approach. This gives the students the advantage of being able to appreciate specific parasitic infections as well as to learn how to approach patients who present with common symptoms: the differential diagnosis and the diagnostic studies are often very different.

This course serves as the pre-requisite for IM 621, the clinical tropical medicine elective available to final year students. Only students who pass this course are allowed to apply for these electives; having passed the course does not guarantee that a student will be accepted into one of these electives.

Weekly lectures, recorded in advance, will be available on Powerpoint in D2L. There will be five interactive sessions during the semester, during which students will work together with the course instructors on clinical questions and scenarios.

There is no text book; optional readings will be included in the Powerpoint presentations.

Course Goals
1. Be able to describe the life cycle, clinical presentation and treatment of
   a. Malaria
   b. Schistosomiasis
   c. Trypanosomiasis
   d. Filariasis
2. Be familiar with the etiologies, clinical presentations and treatments of
   a. Tuberculosis
   b. Hemorrhagic fevers (including dengue)
   c. Diarrheal disease
   d. Anemia
   e. HIV/AIDS

Faculty Coordinator
(Note - Preferred method of contact is shown in italics)
Name: Terri E. Taylor, D.O.
Phone: 517-353-8975
Email: ttmalawi@msu.edu (preferred method)
Address: B309-B West Fee Hall, East Lansing, MI 48824

Staff or Student Coordinator
Name: Stephen Stone
Phone: 517-884-3846
Email: stonest@msu.edu (preferred method)
Address:  B315-A West Fee Hall, East Lansing, MI 48824

Instructors

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Phone</th>
<th>Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Douglas G. Postels</td>
<td><a href="mailto:douglas.postels@hc.msu.edu">douglas.postels@hc.msu.edu</a></td>
<td>517-884-3629</td>
<td>EL</td>
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Lines of Communication

- For administrative aspects of this Elective: Stephen Stone
- For content questions relating to a specific learning activity or topic during this Elective: the relevant lecturer (TT or DGP)
- For absences (please refer to excused absence policy information provided at the end of this syllabus): Stephen Stone

Office Hours

Questions concerning the elective may be discussed individually by making an appointment with Terrie Taylor, B309-B W Fee Hall, by phone (517) 353-3211 or via e-mail. The Elective Coordinator is generally available Monday-Friday, 7:30 – 3:30, or by appointment.

Textbooks and Reference Materials

Textbooks and Reference Materials: no textbook is required. Optional reading will be listed in conjunction with each PowerPoint lecture.

Elective Schedule

This elective is presented for 12 consecutive weeks. General scheduling for the educational activities of this elective are as follows:

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Description</th>
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| Tues, 29 August    | Live - 5:30 to 7:30 | Intro/Malawi elective (TT)  
|                    |                 | TT career, DGP career                                 |
| Week of 4 Sept     | Recorded        | Malaria 1                                             |
| Week of 11 Sept    | Recorded        | Malaria 2                                             |
| Tues, 19 Sept      | Live - 5:30 to 7:30 | Malaria interactive (TT)  
|                    |                 | TT career, DGP career                                 |
| Week of 25 Sept    | Recorded        | TB                                                    |
| Week of 2 Oct      | Recorded        | HAT                                                   |
| Tues, 10 Oct       | Live - 5:30 to 7:30 | TB and traditional tropical diseases  
<p>|                    |                 | interactive (DGP)                                    |</p>
<table>
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<tr>
<th>Date</th>
<th>Time</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Week of 16 Oct</td>
<td>Recorded</td>
<td>Schistosomiasis/filariasis</td>
</tr>
<tr>
<td>Week of 23 Oct</td>
<td>Recorded</td>
<td>Dengue / Ebola / Zika/ hemorrhagic fevers;</td>
</tr>
<tr>
<td><strong>MONDAY, 30 Oct</strong></td>
<td><strong>Live - 5:30 to 7:30</strong></td>
<td><strong>Schisto, filariasis, viral illnesses interactive (DGP and TT)</strong></td>
</tr>
<tr>
<td>Week of 6 Nov</td>
<td>Recorded</td>
<td>Diarrhea/anemia</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HIV</td>
</tr>
<tr>
<td>Week of 13 Nov</td>
<td>Recorded</td>
<td>Non-communicable diseases 2 (malnutrition, hypertension, diabetes, epilepsy)</td>
</tr>
<tr>
<td><strong>MONDAY, 20 Nov</strong></td>
<td><strong>Live - 5:30 to 7:30</strong></td>
<td><strong>Non-communicable diseases, Tropical and travel med interactive (DGP and TT)</strong></td>
</tr>
<tr>
<td>Week of 27 Nov</td>
<td>Final week of elective!</td>
<td><strong>Take home exam or paper due on Tuesday, 28 November, 5 pm</strong></td>
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Classrooms for interactive sessions:

EL: E-202
DMC: G029
Macomb: UC3 209
GR: GR 220 SC

**Required Exams/Assessments**

To obtain a “P” in this course, students are required to attend all of the interactive class sessions, participate in the discussions, and to complete one of the following:

- Pass (≥70% correct) all four quizzes. These will be administered in person during the interactive sessions.
- **OR**
- Write a short (at least five pages) research paper on some topic related to a tropical medicine disease not covered in class (see p. 5)
  - **OR**
- Complete the take-home exam (see p. 5)
1. Quizzes

Required Proctoring Arrangements

- All quizzes will be administered over the course of 15 minutes at the beginning of interactive session; quizzes will be collected from the students who wish to submit them, and the answers will then be discussed with the entire class.
- All quizzes are "closed book". Therefore, you should plan to put all books, notebooks, backpacks, etc. on the perimeter of the room during the exam. The only reasons to question the proctor or faculty during an exam are:
  - if you have a defective exam (i.e. missing pages)
  - if you note misprints, or discrepancies in numbering or lettering of foils
  - if you note typographical errors that change the meaning of the question
- Individual quiz results will be posted in D2L. Course faculty will review the quizzes and add appropriate comment on misconceptions via the communication tool or in class.
- In deference to your peers, if you carry a cell-phone, please be sure that it is turned off and placed at the perimeter of the room with your personal items during the quiz. If an emergency requires otherwise, please notify the course coordinator, course assistant or proctor of the exam.
- Students will not be permitted to leave an examination room until the quiz is finished.
- Concepts that have proven difficult to students will be explained again immediately after the quiz and will be tested again in most instances.
- Students will not be permitted to leave the exam room without permission.
- Without exception, quizzes to be submitted for credit will be collected at the stated time of completion, so be sure that name and answers are filled PRIOR to completion time. Exams not turned in by the stated time of completion will not be scored.
- STUDENTS SEEN TO HAVE WANDERING EYES OR OTHER CONCERNING BEHAVIOR DURING AN EXAMINATION MAY BE MOVED AT ANY TIME, WITHOUT ANY EXPLANATION TO A DIFFERENT LOCATION. SOMETIMES THE STUDENT BEING MOVED IS NOT THE ONE WITH THE WANDERING EYES, BUT THE STUDENT WITH THE TEST THAT IS BEING LOOKED AT, SO DO NOT ASSUME THAT SOMEONE THAT IS BEING MOVED IS TRYING TO CHEAT. THIS MAY BE DONE BY ANY PROCTOR AT ANY TIME DURING ANY EXAM.
- If you personally notice irregular behavior around you, please report it to the proctor so they may watch and quietly return to your seat. Do not wait until after the exam is completed to report the incident.

Sanctions up to and including dismissal are the consequences of irregular conduct during the quizzes. Failure to adhere to these requirements will result in no points being awarded for the examination and may result in further disciplinary action.

NOTE: All decisions concerning examination procedures including but not limited to the viewing of written exams will be at the discretion of the course coordinator.

Missed Quizzes

If you have been excused from an interactive session with prior approval, you may take a makeup quiz in the office of a proctor. If you pass (≥ 70% correct) all 4 quizzes you may use this option to pass the course. But you will also need to complete a second form of Required Assessment (either the take home
exam or the research paper) in order to pass the course. If you miss an interactive session without prior approval, you will not be allowed to take a make-up quiz. You will therefore have failed the quiz option for passing the course. You will need to complete both the take home exam and the research paper in order to pass the course.

To obtain an excused absence, you must contact prior to the scheduled administration of the quiz or interactive session: Mr. Stephen Stone (Stephen.Stone@hc.msu.edu)

2. Research Paper
Another option for passing the course is to write a 5-page paper on some topic not covered in class. The requirements for the paper are
- At least five pages, numbered
- 1.5 line spacing
- 1” margins
- <11 point Arial font
- Standard scientific writing (e.g., no “first person” voice)
- At least 5 sources, appropriate referencing, standard bibliography citing, no more than 2 on-line references
- Italicize species names (e.g., P. falciparum)

3. Take-home Exam
The third option for passing the course is to take an open-book take-home exam. Students must not confer with each other about the exam. It will be made available on Tuesday, 22 November at 5 PM and is due by 5 PM (e-mailed to Stephen Stone) by 5 PM the following Tuesday, 29 November.

Elective Grades
- **P-Pass**—means that credit is granted and that the student achieved a level of performance judged to be satisfactory by the instructor.

  To obtain a “P” grade for this course, a student must obtain 70% or greater on 4 of the 4 quizzes, or submit an acceptable 5-page paper (see above), or pass (70% or greater) the open-book take-home exam. If a student misses an Interactive Session for any reason, they will need to complete more than one of these options, as detailed above.

- **N-No Grade**—means that no credit is granted and that the student did not achieve a level of performance judged to be satisfactory by the instructor. A student who accumulates less than 70% by either means will receive an “N” grade.

- **Remediation** - Since all of the Electives in the MSUCOM curriculum are optional, Students are not required to remediate the elective if an “N” grade is received.

**Student Evaluation of the Course**
We want your feedback on how to make this Elective better for the students who come after you.
Informal Feedback: Feel free to approach the Elective Coordinator, Terrie Taylor, or Doug Postels with your reactions and suggestions. Or write out your comments and email them to the Elective Coordinator or Faculty.

Formal Evaluation: In addition to the above, we ask every student in the class to complete formal on-line Elective evaluation upon conclusion of the Elective. Student Elective evaluations are highly recommended. Student feedback provides Elective Coordinators with valuable information regarding their performance, the performance of their instructors and the quality of the Elective. The information gained from these evaluations is used to continuously improve future offerings of this Elective. Students can access the evaluation via D2L during the last week of the Elective.
Section 2 – Policies

Academic Honesty and Professionalism
http://www.com.msu.edu/Students/Policies_and_Programs/Med_Student_Rights_Responsibilities.htm

Each individual student is responsible for their behavior and is expected to maintain standards of academic honesty and professionalism. If any instance of academic dishonesty (cheating, plagiarism, etc.) is discovered by an instructor, it is his or her responsibility to take appropriate action. Such action may include giving a failing grade to the student in the Elective and/or referring the student for judicial review and possible disciplinary action, which may include disciplinary suspension or dismissal from the College.

Attendance/Excused Absence
In accordance with the MSU All-University Policy on Attendance, MSUCOM does not have a regulation requiring class attendance. However, the College understands and supports the need and the right of the faculty to expect student attendance and participation in many curricular components with consequences if the student is not attending. In the spirit of professional behavior, MSUCOM students are expected to attend required class sessions (e.g., lectures, laboratories) and take all examinations during their originally scheduled times. If this is not possible, the student must obtain an excused absence. To obtain an excused absence, you need to make the following contact, as appropriate, prior to the scheduled administration of the examination(s).

Personal Emergencies:
(e.g., death in family, serious illness (acute), hospitalization, automobile difficulties).

Elective Coordinator Stephen Stone 517-884-3846

Where there is advance notice of absence:
For advance notice absences, a student must submit his/her excused absence request at least one week in advance of the scheduled mandatory elective activity. Wedding, family celebrations, vacations, conferences, etc are not considered acceptable excuses. If an examination or other required experience is missed due to medical reasons, an attending physician’s written confirmation will be required in order for the absence to be excused.

Requests for Special Accommodations
Michigan State University is committed to providing equal opportunity for participation in all programs, services and activities. Requests for accommodations by persons with disabilities may be made by contacting the Resource Center for Persons with Disabilities at 517-884-RCPD or on the web at www.rcpd.msu.edu Once a student’s eligibility for accommodation has been determined he/she may be issued a Verified Individualized Services and Accommodation (“VISA”) form. Please present this VISA form to Cheryl Luick, luick@msu.edu, A-331 East Fee Hall at the start of the semester and/or two weeks
prior to the accommodation date (test, project, labs, etc.). Requests received after this date will be honored whenever possible.

It is the responsibility of the student with accommodations to contact the Elective Coordinator two weeks prior to the start of the term, or two weeks prior to the scheduled assessment event or other planned use of accommodations. Requests received after this date will be honored whenever possible.

It is the responsibility of the student to submit or have submitted an updated version of their accommodations to Cheryl Luick each semester that a student plans to use their accommodations.