OST 575
GASTROINTESTINAL SYSTEM
SUMMER – 2015
Updated 6.8.15 amr

Table of Contents

Course Description ................................................................. 2
Course Goals ........................................................................... 2
Course Coordinator ................................................................. 3
Course Faculty ........................................................................ 3
Curriculum Assistants ............................................................ 4
Lines of Communication ....................................................... 4
Office Hours ........................................................................... 4
Course Web Site ...................................................................... 4
Textbooks and Reference Materials ...................................... 5
i>Clicker Use in Course ......................................................... 5
Course-based Academic Support ........................................... 5
Exams/Assessments ............................................................... 7
Course Grades ...................................................................... 7
Student Evaluation of the Course .......................................... 8
Academic Honesty and Professionalism ............................... 8
Attendance/Excused Absence .............................................. 9
i>Clicker Policy .................................................................. 9
Remediation Policy ............................................................. 9
Requests for Special Accommodations ............................... 10

Notice to Students: Although course syllabi at MSUCOM have a consistent format, vitally important details differ by course. For this reason, you must read the syllabus thoroughly at the onset of each course to know what the course will provide and what is expected of you.
Section 1 – Course Information

Course Description
Gastrointestinal System, OST 575, is an intensive, integrated, multidisciplinary course designed to provide the basic science and clinical medicine knowledge and framework to understand gastrointestinal health and disease.

Course Goals
Upon completion of OST 575, the student should be able to:

1. Understand the normal structure and function of the gastrointestinal system.
2. Intergrate anatomy with clinical presentation of GI diseases.
3. Understand the etiology and pathophysiology of the major disorders of the gastrointestinal system.
4. Know the pathology of major GI diseases.
5. Understand the clinical presentation of common GI diseases.
6. Know basic treatment options for GI conditions.
7. Formulate differential diagnosis for common GI complaints
8. Develop a comprehensive approach to patients with signs and symptoms of gastrointestinal disease.
9. Apply OMM to GI diseases.

Below are some of the common diseases and symptoms that will be covered this semester in GI system course (it is not complete list of what will be covered)

DISEASES
GERD/ esophageal diseases
PUD
Cholelithiasis/Cholecystitis
Pancreatitis
Hepatitis
GI cancers
Celiac sprue
Lactose intolerance
GI infections
IBD
IBS
Diverticulosis
Hemorrhoids/anal fissures

COMMON GI COMPLAINTS
Difficulty swallowing
Heartburn
Hematemesis
Abdominal pain
Nausea and vomiting
Malabsorption
Melena
Jaundice
Abnormal LFTs
Diarrhea
Weight loss
Anemia
Constipation
Hematochezia

Please note that specific instructional objectives are provided within each lecture or other learning activity of this course.

Course Coordinator
(Note - Preferred method of contact is shown in italics)

<table>
<thead>
<tr>
<th>Name</th>
<th>Phone</th>
<th>Email</th>
<th>Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catherine Kerschen, DO</td>
<td>517-353-3211</td>
<td><a href="mailto:Catherine.Kerschen@hc.msu.edu">Catherine.Kerschen@hc.msu.edu</a></td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Course Faculty
(Note - Preferred method of contact is in italics)

<table>
<thead>
<tr>
<th>Name</th>
<th>Phone</th>
<th>Email</th>
<th>Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gerald Aben</td>
<td>517-355-0120</td>
<td><a href="mailto:Gerald.aben@radiology.msu.edu">Gerald.aben@radiology.msu.edu</a></td>
<td>EL</td>
</tr>
<tr>
<td>John Bechinski</td>
<td></td>
<td><a href="mailto:John.Bechinski@sparrow.org">John.Bechinski@sparrow.org</a></td>
<td></td>
</tr>
<tr>
<td>Bret Bielawski</td>
<td>586-263-6174</td>
<td><a href="mailto:bielawksibret@gmail.com">bielawksibret@gmail.com</a></td>
<td>MUC</td>
</tr>
<tr>
<td>Nikolai Butki, DO</td>
<td>313-578-9629</td>
<td><a href="mailto:butkinik@msu.edu">butkinik@msu.edu</a></td>
<td>DMC</td>
</tr>
<tr>
<td>Philip Croft, MD</td>
<td></td>
<td><a href="mailto:Philip.Croft@Sparrow.org">Philip.Croft@Sparrow.org</a></td>
<td></td>
</tr>
<tr>
<td>Patrick Flaherty, DO</td>
<td>586-493-8101</td>
<td><a href="mailto:patflaherty@hotmail.com">patflaherty@hotmail.com</a></td>
<td>MUC</td>
</tr>
<tr>
<td>James Galligan, PhD</td>
<td>586-493-8101</td>
<td><a href="mailto:galliga@msu.edu">galliga@msu.edu</a></td>
<td>EL</td>
</tr>
<tr>
<td>Jay Goodman, PhD</td>
<td>517-353-9346</td>
<td><a href="mailto:Goodman3@msu.edu">Goodman3@msu.edu</a></td>
<td>EL</td>
</tr>
<tr>
<td>Craig Gudakunst, DO</td>
<td>517-353-8470</td>
<td><a href="mailto:Craig.Gudakunst@hc.msu.edu">Craig.Gudakunst@hc.msu.edu</a></td>
<td>EL</td>
</tr>
<tr>
<td>Peter Gulick, DO</td>
<td>517-353-3211</td>
<td><a href="mailto:Gulick@msu.edu">Gulick@msu.edu</a></td>
<td>EL</td>
</tr>
<tr>
<td>Mary Hughes, DO</td>
<td>517-353-3211</td>
<td><a href="mailto:hughesm@msu.edu">hughesm@msu.edu</a></td>
<td>EL</td>
</tr>
<tr>
<td>Rami Ibrahim Pharm D</td>
<td>313-578-9601</td>
<td><a href="mailto:Rami.ibrahim@hc.msu.edu">Rami.ibrahim@hc.msu.edu</a></td>
<td>DMC</td>
</tr>
<tr>
<td>Frances Kennedy, DVM, MS</td>
<td>517-432-0467</td>
<td><a href="mailto:kennedyf@msu.edu">kennedyf@msu.edu</a></td>
<td>EL</td>
</tr>
<tr>
<td>Laura McCabe, PhD</td>
<td>517-884-5152</td>
<td><a href="mailto:mccabel@msu.edu">mccabel@msu.edu</a></td>
<td>EL</td>
</tr>
<tr>
<td>Sarah McCaskey, MS, RD</td>
<td>586-263-6066</td>
<td><a href="mailto:Sarah.Mccaskey@hc.msu.edu">Sarah.Mccaskey@hc.msu.edu</a></td>
<td>MUC</td>
</tr>
<tr>
<td>James McQuiston, DO</td>
<td>586-228-0550</td>
<td><a href="mailto:mcquiston@msu.edu">mcquiston@msu.edu</a></td>
<td>MUC</td>
</tr>
<tr>
<td>Rebecca Pratt, PhD</td>
<td>517-432-0441</td>
<td><a href="mailto:prattreb@rad.msu.edu">prattreb@rad.msu.edu</a></td>
<td>EL</td>
</tr>
<tr>
<td>Raquel Ritchie, PhD</td>
<td>586-263-6296</td>
<td><a href="mailto:rritchie@msu.edu">rritchie@msu.edu</a></td>
<td>MUC</td>
</tr>
<tr>
<td>Robert Rose, DO</td>
<td>517-332-1200</td>
<td><a href="mailto:rprosemgi@hotmail.com">rprosemgi@hotmail.com</a></td>
<td>EL</td>
</tr>
</tbody>
</table>
Melissa Rosenberg, MD  517-353-3100  Melissa.rosenberg@hc.msu.edu  EL
Janice Schwartz, PhD  517-884-9671  Janice.schwartz@hc.msu.edu  DMC
John Sealey, DO  248-505-3399  sealey@msu.edu  DMC
Mei-Hui Tai, PhD  517-884-5126  taimeihu@msu.edu  EL
John Thornburg, DO, PhD  517-353-4383  thornbur@msu.edu  EL
Carrie Nazaroff, PhD  586-263-6743  tatarcar@msu.edu  MUC
Terrie Taylor, DO  517-353-8975  ttmalawi@msu.edu  EL
Deborah Young, Pharm D  586-263-6757  Deborah.young@hc.msu.edu  MUC
William Weatherhead, DO  517-332-1200  Wfw1153@aol.com  EL
Carol Wilkins, PhD  517-353-4927  mindockc@msu.edu  EL

Curriculum Assistants

<table>
<thead>
<tr>
<th>Name</th>
<th>EL</th>
<th>DMC</th>
<th>MUC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Angela Resseguie</td>
<td>Charity Troutt</td>
<td>Katie Schorling</td>
</tr>
<tr>
<td>Phone</td>
<td>517-353-9932</td>
<td>517-844-9629</td>
<td>586-226-4788</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:Angela.Resseguie@hc.msu.edu">Angela.Resseguie@hc.msu.edu</a></td>
<td><a href="mailto:Charity.Trou@hc.msu.edu">Charity.Trou@hc.msu.edu</a></td>
<td><a href="mailto:schorlin@msu.edu">schorlin@msu.edu</a></td>
</tr>
</tbody>
</table>

**Lines of Communication**

- For administrative aspects of the Course: contact the course coordinator.
- For content questions relating to a specific lecture or topic: contact the faculty presenter for that specific portion of the course or your SE MI on-site instructor.
- For absences/missed exams (see excused absence information below)

**Office Hours**

Questions concerning the course may be discussed individually by making an appointment with the Course Coordinator, Dr. Kerschen, Departmental Office, by phone 517-353-3211 or via e-mail. The Course Coordinator is generally available by appointment only.

**Course Web Site**

The URL for the Course web site is [https://d2l.msu.edu/](https://d2l.msu.edu/)

The course D2L site has these PERTINENT sections:

- **Announcements** – Course-related communication to the class will be made here. You should check for announcements on a daily basis.
- **Syllabus** - Information about textbooks, exam dates, grading system, rules and regulations, etc. as well as information on the instructional team.
- **Course Content** – Lecture recordings, tutorials (TT), self-study modules (SSM), and all other scientific material will be deposited here.
- **Discussion Forum** – List of “asked” questions. It is highly recommended that you check the discussion forum prior to sending a question to faculty as it is very likely that you are not the only student with a given question and it may already have been answered.
Textbooks and Reference Materials

<table>
<thead>
<tr>
<th>Required</th>
<th>Recommended</th>
</tr>
</thead>
<tbody>
<tr>
<td>▪ Primer/Refresher on the Cast of Characters in Liver Function Tests, Course Pack</td>
<td></td>
</tr>
</tbody>
</table>

>Clicker Use in Course

>Clickers will be used in this class.

In this course, >Clicker input may be used in the following ways: to provide practice with concepts and principles, to stimulate discussion and/or to give mini-quizzes. Questions may be posed at any time during the class hour. No make-up experiences will be provided should you forget your >Clicker. The >Clicker will be the only mechanism to record attendance during large group lectures.

- If the >Clicker is used to take attendance, you will be expected to arrive in class on time and to stay for the duration of the assigned activity.
- If you bring your >Clicker and it fails during the lecture, please see the course representative immediately after the lecture to inform us of the problem. NO points for attendance will be given unless you notify us at the time of the lecture.

Please refer to additional >Clicker policy information provided in Section 2 of this syllabus.

Course-based Academic Support

The value you derive from this course (and those that follow it) will depend on many factors, but most importantly the amount of time and effort you put into it. In undergraduate courses, students often concentrate on just getting through the next exam or individual courses. But medical education is different because it is cumulative. Study for understanding, not just short term memorization. This will allow you to understand concepts and carry them forward with you to the next step in your medical education.
You are strongly urged to:

- Consult the course D2L web site frequently to see announcements and to access various study aids (e.g., follow-up to in-lab problem sets, practice exam questions, and answers to frequently asked questions).
- Complete the preparatory work assigned for each lab and lecture session; this includes working through the online modules, problem sets or any other advance study activities.
- Attend every lecture and lab session. Plan to stay to the end of each lab session, in order to take full advantage of the opportunities to work collaboratively with your classmates, to interact with faculty, and to participate in the question reviews at the conclusion of lab.
- Actively annotate your Course Pack as you prepare for each class session, as each class session progresses, and also during your follow-up study.
- Complete the follow-up (supplemental) reading and self-study exercises as directed in the Course Pack and on the D2L web site.
- Use the practice exam questions (posted on D2L prior to each exam) to help guide your review and preparation for exams. Do NOT wait until the day before an exam to look at these practice exam questions. Instead, start using them several days prior to each exam to help guide your review and exam preparation.
- Each member of the teaching team has a well-deserved reputation for being approachable and for helping students achieve success. Avail yourself of the opportunities for help provided by the course faculty -- in person, via e-mail, and at scheduled help sessions or call them to schedule an appointment time.
- The time immediately before or after a course lecture is often too hectic to provide a good opportunity to get help from course instructors. By contrast, lab sessions (especially at the end when some of the students have already departed) or scheduled office appointments provide an excellent time to ask questions of course faculty.
- Keep in mind that you can contact course faculty by e-mail with your questions. Note: Whenever you pose a question by e-mail, include what you THINK the answer is. This makes it much easier for the instructor to either confirm your understanding and/or offer clarification.
- Attend the course Help Sessions, which are scheduled prior to the course exams.
- Face-to-face contact with faculty at lecture sessions -- In addition to the faculty person giving a lecture, one or more of the course faculty regularly sit in on course lecture sessions at each site. This provides you with an opportunity to pose a quick question or to request a personal meeting with your local campus faculty. E-mail is also a good way to set up a personal meeting with a particular faculty member.
- Study groups - Many students find it beneficial to study with one or more partners, and we strongly encourage this activity. Studying together can be efficient (what one student doesn't understand, another one will), stimulating (personal interaction can help keep you focused and alert), and motivating (commitment to a partner supplements self-discipline). We encourage you to study with suitable partners. We caution you, however, to avoid study groups that turn into "gab fests" or where one or two students do all the talking. Remember, you may THINK you understand a concept when you hear someone else explain it, but you'll KNOW you understand the concept only when YOU can explain it to someone else. So, make sure you get to talk in your study group!
- Caution: Scribe note services are not sanctioned by MSUCOM and are not endorsed by the course faculty. Course faculty assume no responsibility whatsoever for errors in the "scribe notes". It is unwise to expect the "scribes" to substitute for your own attendance in lecture or lab, your own note taking, or your own studying.
- Additional academic support resources can be accessed at:
In summary, the course faculty are here to facilitate your learning. The large number of students in this course (about 300) necessitates a degree of formality. Also, since your schedules are very full, we must adhere rigidly to the lecture, small group and lab times assigned to this course. However, within these constraints, the needs of individual students will be accommodated whenever possible. Please feel free to contact the Course Coordinator with any personal issues you may have involving this course.

**Course Schedule**

Will be posted in D2L

**Exams/Assessments**

There will be a total of 3 exams given in OST 575 Gastrointestinal System this year. Your accumulated score on these exams will determine your grade in the course. The examination schedule is as follows:

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Projected Points</th>
<th>Material to be Covered</th>
</tr>
</thead>
<tbody>
<tr>
<td>Histology Lab 1 &amp; 2</td>
<td>4 (2pts each)</td>
<td>I Clicker</td>
</tr>
<tr>
<td>Physiology Review</td>
<td>2</td>
<td>I Clicker</td>
</tr>
<tr>
<td>D2L Quizzes</td>
<td>12-24 (2-4 pts per hour of cases)</td>
<td>Quiz available after each clinical case session. Open at the end of the session for 24 hours ONLY! No make-up.</td>
</tr>
<tr>
<td>Pharmacology Cases</td>
<td>6 (2 each)</td>
<td>I Clicker</td>
</tr>
<tr>
<td>Microbiology Lecture</td>
<td>2</td>
<td>I Clicker</td>
</tr>
<tr>
<td>Examination #1 (S4UE1) Mon., 6/15/15</td>
<td>70-90</td>
<td>Lectures 5/18/15 through 6/12/15</td>
</tr>
<tr>
<td>Examination #2 (S4UE3) Mon. 7/7/15</td>
<td>70-90</td>
<td>Lectures 6/16/15 through 7/1/15</td>
</tr>
<tr>
<td>Course Review</td>
<td>7-10</td>
<td>I Clicker</td>
</tr>
<tr>
<td>Examination #3 (S4UE4) Mon., 2/20/12</td>
<td>70-90</td>
<td>Lectures 7/8/15 through 7/24/15</td>
</tr>
</tbody>
</table>

**Unit Exam Answer Keys**

Unofficial unit exam answer keys will be posted on D2L following the written unit lecture exams so that students who completed their “tear off” sheet during the allotted exam time can receive feedback on their scores on their exam day. Faculty will then review the statistical reports for each question to determine if a re-score is required (e.g. one or more answers are correct). The grades will be set and the OFFICIAL answer key will replace the unofficial key on D2L and student scores will be finalized. There are no student grade inquiries or challenges accepted for any question on the unit lecture exams.
Decisions about exam questions are made based upon statistical analysis. These exams will be posted for student viewing during the exam review display session (see Google calendar).

Course 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%.
- **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% will receive a “N” grade.
- Remediation - Since all of the courses in the MSUCOM curriculum are required, any student receiving an “N” grade must remediate the course. The Course Coordinator will inform affected students of the format, date and time for remediation examination/experience after they have been deemed eligible to remediate. Please refer to the remediation policy information provided in Section 2 of this syllabus for information on College requirements and eligibility determination.
  - All remediation exams for Semester 4 courses are scheduled for the afternoon of Friday, August 28th, 2015.

Student Evaluation of the Course
We want your feedback on how to improve this course.
- Informal Feedback: Feel free to approach the Course Coordinator, Dr. Catherine Kerschen, or any of the other course faculty with your reactions and suggestions. Or write out your comments and email them to the Course Coordinator or Faculty. From time to time, we may also convene focus groups of students, as an additional way to elicit your opinions and suggestions.
- Formal Evaluation: In addition to the above, we ask every student in the class to complete formal on-line course evaluation upon conclusion of the course. Student course evaluations are highly recommended. Student feedback provides Course Coordinators with valuable information regarding their performance, the performance of their colleagues, and the quality of the course. The information gained from these evaluations is used to continuously improve future offerings of this course. Students can access the evaluation system at: 
  [http://kobiljak.msu.edu/Evaluation/UnitI_II.html](http://kobiljak.msu.edu/Evaluation/UnitI_II.html) and it will be available from July 27th through August 5th. Your participation in this important process is greatly appreciated.

**Section 2 – Policies**

**Academic Honesty and Professionalism**
[http://com.msu.edu/Students/Professional_Development/Statement_on_Professionalism.htm](http://com.msu.edu/Students/Professional_Development/Statement_on_Professionalism.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 course 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).

- EL - Dr. Falls, Associate Dean for Student Services (517) 353-8799
- DMC - Dr. Willyerd, Associate Dean (313) 578-9600
- MUC - Dr. Hortos, Associate Dean (586) 263-6731

**Where there is advance notice of absence:**
To obtain an excused absence, you need to make one of the following contacts as appropriate:

- EL - Dr. Falls, Associate Dean for Student Services (517) 353-8799
- DMC - Dr. Willyerd, Associate Dean (313) 578-9600
- MUC - Dr. Hortos, Associate Dean (586) 263-6731

For advance notice absences, a student must submit his/her excused absence request at least one week in advance of the scheduled mandatory class session(s) or examination(s). 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.

**i>Clicker Policy**
[http://www.com.msu.edu/Students/Policies_and_Programs/iCLICKER_Policy.htm](http://www.com.msu.edu/Students/Policies_and_Programs/iCLICKER_Policy.htm)

You are expected to have your i>Clicker registered prior to the beginning of this class. You are responsible for bringing your i>Clicker to every class with you. Class will proceed as planned, even if you have forgotten to bring your i>Clicker with you. Paper completion of i>Clicker activities will not be accepted as a substitute for the i>Clicker response. Please make sure that your i>Clicker is always in working order.

As a matter of professionalism, please note that under no circumstances should you loan your i>Clicker to another student. Nor should you ever be in the possession of an i>Clicker other than your own. **Answering questions or checking in for attendance on behalf of another student by using his or her i>Clicker is considered to be an act of dishonesty and may result in dismissal from the college.**

**Remediation Policy**
Remediation of an “N” grade will be governed by the MSUCOM Policy for Retention, Promotion and Graduation (relevant content found under Remediation section),
(http://www.com.msu.edu/Students/Policies_and_Programs/Remediation_Policy.htm) and by the remediation section of each course syllabus.

It is the responsibility of each student in the Michigan State University College of Osteopathic Medicine to verify his/her eligibility, with the Office of Student Services, prior to the administration of the remediation examination/experience.

Students deemed eligible for remediation by the registrar will be informed by the Course Coordinators. Information on remediation format, date and time will be provided then.

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 your eligibility for an accommodation has been determined, you may be issued a Verified Individualized Services and Accommodation (VISA) form. Please present the VISA to Cheryl Luick, luick@msu.edu A-331 East Fee Hall at the start of the term 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 Course Coordinator and the Curriculum Assistant in your location, two weeks prior to the start of the term, or two weeks prior to the schedule assessment event. 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.