

Year 1 OCAO– 2011-2012 (As of 060911)

COURSE TITLES: Osteopathic Clinical Anatomy Orientation
OCOM 639

CREDIT HOURS: 6

PREREQUISITES: enrollment in OU-COM

STAFF:

INSTRUCTOR OF RECORD AND GROSS

ANATOMY LEADER:

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MEETING TIME:

- See schedule for lectures (osteopathic manipulative medicine, gross anatomy, evidence-based medicine, radiology)
- Gross Anatomy lab: Monday, Tuesday, Thursday, and Friday: 9-12 AM or 1-4PM (alternating each week). Self-assessment lab practicals are Thursday evenings (Weeks 1–3) starting at 6:00 PM, and on Friday of Week 4 starting at 10:00 AM..
 - OMM lab: Wednesday: 1PM-3 PM or 3PM – 5PM
 - Anatomy/Palpation labs: Occur for one to two hours each week

COURSE DESCRIPTION:

The Osteopathic Clinical Anatomy Orientation allows all entering OU-COM students, regardless of their curricular track, to begin their training together, immersed for roughly four weeks in clinically-oriented study of human gross anatomy, with an integrated introduction to osteopathic manipulative medicine and evidence-based medicine

At the core of the course are the laboratory activities. Students will participate in four three-hour gross anatomy labs each week. These activities involve dissection of human cadavers, imaging studies, and discussion of clinical anatomy in an interactive laboratory setting. The structure of the human body is presented in a clinically relevant manner, providing correlations of normal anatomy to common disease states. The ultimate goal is to enhance clinical reasoning in the context of human gross anatomy. One to two 1-hour Anatomy/Palpation labs will occur each week to correlate with the anatomy dissections and landmark identification. Wednesdays are spent in the OMM lab with an introduction to relevant osteopathic manipulative diagnostic skills.

A few key lectures will provide background for the laboratory studies and provide an introduction to evidence-based medicine.

COURSE GOALS:

- Brings all OU-COM students together, regardless of curricular track
- Provides an introduction to musculoskeletal anatomy (back & limbs), which will be reinforced and assessed in each curriculum later in the year
- Introduces the anatomical vocabulary and palpatory skills needed by the osteopathic physician
- Approaches human anatomy from a clinical perspective
- Initiates the process of integrating clinical thinking and problem solving with the basic sciences
- Introduce initial elements in osteopathic diagnosis and treatment
- Introduces the goals and basic approach to evidence-based medicine

COURSE CONTENT:

- Clinical anatomy of the back, upper limb, and lower limb
- Introduction to osteopathic manipulative medicine, evidence-based medicine, and radiology.

COURSE RESOURCES:

- The cadavers in the lab
- Blackboard Course Web Site: <https://blackboard.ohio.edu>
- Witmer's webpage http://www.oucom.ohiou.edu/dbms-witmer/anatomy_immersion.htm
- Evidence-based medicine web site <http://www.oucom.ohiou.edu/ebm>
- See the book list: http://www.oucom.ohiou.edu/AcademicAffairs/Home_index.htm

PERFORMANCE ASSESSMENT:

Grading in the Osteopathic Clinical Anatomy Orientation course is based on the following factors:

1. Overview of Assessment

- A. Gross Anatomy Assessment will take the form of self-assessment, meaning that students will be provided with the opportunity to receive feedback on their learning. Although the scores on the self-assessments do not themselves comprise the basis for passing or failing OCAO, the results will become part of the student's permanent record. Faculty will receive the results of these self-assessments so that students needing additional help can be identified. Although students ultimately are expected to master the content introduced in this course, it is not expected that all students will do so during the course. Thus, both the CPC and PCC students will have time scheduled for review and reinforcement prior to the formal content-based assessments. Formal (graded) assessment of content will take place at the appropriate time in each curriculum.
 - B. Osteopathic Manipulative Medicine (OMM) Assessment: Material from Wednesday labs and Anatomy palpation labs will be included in the fall quarter OMM assessments – written exam and practical.
 - C. Required completion of a short EBM (evidence-based medicine) case paper: During the last of the three EBM large-group sessions, students will turn in a brief case-based paper based on a template that Dr. Mann will provide.
2. Required participation in Weekly Lab Practical Self-Assessments
Starting each Thursday evening at 6:00 PM there will be a “lab practical” exam in which students will pass through a series of timed stations where they will be expected to identify anatomical structures on cadavers, x-rays, bones, cross-sections, etc. Answer sheets will be scored by the student assistants and then submitted to the Instructor of Record so that faculty may inspect the performance.
 3. Required participation in Weekly Blackboard Quizzes
Each week, multiple-choice self-assessment quizzes will go online on Blackboard. These quizzes will focus on the clinical anatomy of that week's material. Students will receive their scores immediately and may re-take them as often as they like. Scores will be available for inspection by the Instructor of Record.
 4. Preparation, Attendance, and Participation
Attendance is required for all scheduled activities.
 - A. Gross anatomy:
 - a. Students are required to participate in all dissections. Students are required to participate in learning activities for the full duration of the scheduled lab time. Students must have their own dissecting kits, and each dissection group must bring to the gross anatomy lab Grant's Dissector and two copies of an anatomical atlas. Be certain that the edition of the atlas is appropriate for the dissector. Dissection without these resources is not permissible.
 - b. Attendance will be taken and recorded at each lab.

- B. OMM: OMM Lab & Anatomy/Palpation lab are clinical hands-on experiences. It is important that the material taught in the lab is understood by all students who miss lab, whether the absence is excused or unexcused.
- a. One missed lab during immersion: They must watch the video of the lab and resolve questions with OMM faculty or fellows
 - b. Written warning for unprofessional behavior will be given when appropriate. (e. g., missed lab with no notification to OMM Fellows or class liaison).
 - c. Lab Tardiness: Lab begins at 10 minutes after the hour. Arriving to lab more than 15 minutes after the hour will be considered a tardy. Three tardies will be considered as one absence for the quarter.
 - d. Early Leave: Leaving lab before class is dismissed will count as an absence (Exceptions may be made if permission was granted from a faculty member ahead of time.)
 - e. Appropriate attire includes:
 - For males, gym shorts
 - For females, gym shorts and halter sports tops or swimsuits that expose the back.
 - Wearing of watches and rings is discouraged.
 - Students who do not comply with the dress code will be asked to leave the lab. Exceptions to this requirement may be made on religious or cultural grounds.

Requests to be excused from a scheduled activity in order to participate in another professional activity must be submitted in writing or by e-mail to the Instructor of Record prior to the event. According to Ohio University Policy, the following absences are the only absences considered as legitimate excused absences: serious illness, death in the immediate family, religious observance, jury duty, and involvement in university-sponsored activities.

Absences from scheduled activities (labs and practical exams) will be recorded and submitted to the Instructor of Record. If a student has one unexcused absence he/she will meet with the Instructor of Record, make up the missed lab, and, if appropriate, receive a written warning for unprofessional behavior. A second missed lab requires make up and may result in additional academic work, such as the preparation of a two-page paper related to the missed activity, and, if appropriate, a second written warning for unprofessional behavior. A third absence may result in referral to the Committee on Student Progress (CSP).

All students taking all of the self-assessment quizzes (four practicals, four Blackboard quizzes) will receive a grade of CR, or credit. If a student fails to take one or more of the self-assessment quizzes, he or she will be required to write a two-page remediation paper

(single-spaced, with references) on the subject matter that the quiz covered (one paper for each missed quiz) to be submitted to the Instructor of Record. Remediation papers are due the Friday following Labor Day. Upon satisfactory review of the remediation paper(s) by the Instructor of Record, the student's grade will be changed from PR to CR.

A student who fails to achieve a "CR" grade following this process will meet with the Committee on Student Progress, which, in consultation with the Instructor of Record, will recommend to the Dean appropriate intervention, including, but not limited to, dismissal or repeating of the academic year.

STUDENT RESPONSIBILITY:

Critical information concerning course requirements, grading, scheduling and testing is often communicated via e-mail and through the student mail box system. All students must check the course website (directly or via Blackboard), as these information sources are updated regularly. Students are held responsible for obligations communicated via these systems.

ACADEMIC HONESTY AND STANDARDS OF PROFESSIONAL CONDUCT:

OU-COM HONOR CODE:

As a member of the medical profession, I will maintain the highest standards of academic and personal behavior. As a medical student I will not cheat or plagiarize or tolerate that behavior in others.

Students are encouraged to study together and to share their knowledge freely with one another during the learning process. During examinations, however, no assistance from other students or from outside sources is allowed, unless explicitly permitted by the instructor. Books, notes, and other materials must be left at the periphery of the lecture hall during the examinations. No personal electronic devices are allowed in the exam rooms during exams (including cell phones, PDAs, MP3 players, etc.); if necessary the college will provide calculator for the exam. We ask students to handle their marked test booklets and answer sheets discreetly by keeping them out of full and easy view of others. Similarly, students are expected to deport themselves during exams in such a way as to avoid raising suspicions that they are attempting to read from other student's papers. In accordance with the Ohio University Student Handbook, academic misconduct will result minimally in the issuance of a failing grade for the exercise involved and may, at the discretion of the Instructor of Record, result in the summary issuance of a failing grade for the course.

Academic misconduct is a Code A violation of the Ohio University Code of Student Responsibility, subjecting a student to possible suspension or expulsion from the University. Consequently, a judicial referral may be made to the Director of Judiciaries. Professional standards required of a member of the Osteopathic profession are a requirement for passing this course. Violation of Section 3.2 Guidelines of the Committee on Student Progress may result in a failing grade in this course, regardless of other academic performance in this course. Such professional conduct shall be evaluated by the Instructor of Record through observation of and interaction with the student during examinations, lectures, laboratories and clinical instruction periods. The Instructor of Record shall consider input from the instructor/lecturers, planning team members, teaching assistants, and others.