

COURSE TITLE:

INTRODUCTION TO BIOMEDICAL SCIENCE 1 - OCOM 640
INTRODUCTION TO BIOMEDICAL SCIENCE 2 - OCOM 643
INTRODUCTION TO BIOMEDICAL SCIENCE 3 - OCOM 646

CREDIT HOURS: 14 credits per quarter

INSTRUCTOR OF RECORD:

Leon Wince, Ph.D.
307 Irvine Hall, ext. 593-2352
wince@ohio.edu

COURSE INSTRUCTORS & FACILITATORS:

See course schedule at <http://www.oucom.ohiou.edu/AcademicAffairs/CalendarWebPage>

COURSE DESCRIPTION:

These courses serve to foster the integration of basic science material with clinical science issues. In essence there are three main components of these courses: clinical case study, formal laboratory sessions, and problem sets. Small group discussion sessions using clinical case studies serve as the focus of the courses. In addition, formal laboratory sessions in Gross Anatomy and Microanatomy are designed to explore the relationships between form and function in a clinically relevant setting. Finally, Biomedical Science Problem Sets further supplement material covered during the small group discussion process, providing students with opportunities to interact with content experts throughout the biomedical science disciplines.

MEETING TIMES: See schedule

COURSE GOALS:

The main goals of these courses are:

First, to provide students with a strong foundation for dealing with issues related to health and disease in terms of the underlying broad themes in the biomedical sciences. Second, to encourage students to consider the biomedical basis of health and disease as it relates to:

- health maintenance and disease prevention;
- etiology, pathophysiology, diagnosis and treatment of specific clinical entities, and;
- medical/scientific horizons, i.e., what the future likely holds concerning specific clinical entities.

COURSE RESOURCES:

Blackboard Course Web Site: <http://bbsupport.ohio.edu/>

See textbook list at http://www.oucom.ohiou.edu/AcademicAffairs/Home_index.htm

Supplements:

Computer modules and videodiscs are available to students in the LRC. These are required materials designed for individual/group study to supplement case studies and laboratories. Specific assignments will be distributed each quarter.

STUDENT RESPONSIBILITY:

Critical information concerning course requirements, grading, scheduling and testing are often communicated via e-mail and through the student mail box system. It is every student's responsibility to check his/her e-mail and mailbox regularly. Students are held responsible for obligations communicated via these systems.

ATTENDANCE:

Absence adversely affects group performance and dynamics. Hence, group participation in the small group, problem sets and laboratory sessions is an essential and **REQUIRED** part of the Biomedical Science course. Unexcused absences will be reported to the Instructor of Record, the Director, and the Committee for Student Progress (CSP), and may result in a recommendation for dismissal.

Students must seek permission from the instructor of record prior to missing a scheduled class or other required activity and will receive a "U" for any non-approved absence unless it involves an unplanned personal emergency. 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. Prior to making travel arrangements to attend professional activities, students are also required to obtain pre-approval from the Assistant Dean of Pre-Clinical Education, Nicole Wadsworth, DO, FACOEP, FACEP.

EVALUATION:

The grading of these courses is on a "PASS/FAIL" basis. The examinations and evaluations are weighted as follows:

45% Content Examination. There will be one examination at the end of each quarter. The examination will cover the final learning issues submitted by the case-study groups.

30% Component Exams. The component exam portion of evaluation will consist of gross anatomy and/or microanatomy exams and Biomedical Science Problem Set assignments. Graded activities will be assigned by the problem set instructors. These assignments may be quizzes, short essays or other activities. All exams and assignments will be pre-announced by the instructors. The weight of each assignment will be determined by the Instructor of Record and will be based in part on the number of scheduled hours for each activity.

25% Facilitator Assessment. Facilitators will meet at least twice per quarter to evaluate the performance of students in their small groups. The first evaluation will be primarily to advise students of their progress and will not be recorded for grade. The end-of-quarter evaluation will be used to assess the student's progress/participation in the group and other class

related activities. Students will also complete self-assessment forms to supplement the evaluation process.

Student progress will be monitored in Form & Function, Microanatomy, and Problem-set quizzes. When performance shows a pattern of scores below 70%, students will be asked to meet with the Instructor of Record and/or the Curriculum Director. Following these meetings, arrangements may be made for in-course tutorial assistance, good study habits assessment, and possible in-course remediation. If a pattern of low performance continues after these steps are taken, the student may be referred to the Committee on Student Progress (CSP).

At the end of Fall and Winter quarters, all students will be assigned an official grade of PR and each student will be informed of his/her content exam and quarterly score.

Students scoring < 65% on a content exam and/or < 70% quarterly score will be referred to the CSP. The student, in consultation with the Instructor of Record, will present a plan designed to identify and resolve any deficiencies and will be allowed to continue with the class. In order to pass the year, the student must achieve a final yearly average for the three quarters of 70% or greater with a content exam average for the three quarters of at least 65%. All students meeting both of these requirements will be awarded the grade of CR for each of the three quarters.

Students who fail to meet the requirements for passing the year will be permitted to remediate the course by comprehensive reexamination with the approval of the CSP. The remediation exam will be administered on 7/02/2012. The exam may include both written and oral components. Students who successfully complete the remediation examination will receive a CR for the three quarters. Failure of the comprehensive remediation exam will be considered by the CSP for a recommendation on whether the student should repeat the year or face dismissal.

Students whose failure of the year (i.e. overall yearly average <70%) can be attributed to low facilitator assessment scores present a special concern. In such cases, the student has been considered by his/her facilitators to be deficient in the skills necessary to effectively interact with patients and colleagues. This deficiency may not be resolvable by examination. Such failures will be evaluated by the CSP to determine possible remediation programs or to consider other options including dismissal.

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 a 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 conduct 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 CSP may result in a failing grade in this course, regardless of other academic performance in this course. Such misconduct 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, team members, teaching assistants, and others.