

MAMMALIAN PHYSIOLOGY

BIOM*3200, Fall 2011

Department of Biomedical Sciences (OVC)

Lectures: Tuesday and Thursday 5:30-6:50p.m. (ROZH 101)

Course Coordinator:

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Office Hours Monday 3:30-5:00 p.m.

1. Calendar Description and Course Objectives:

Mammalian Physiology (BIOM*3200) includes a series of lectures and on-line assignments covering the normal physiological functions of the body. The primary focus is on human physiology, but with additional information illustrating how physiological systems have been adapted in different mammalian species.

The course is divided into sections that cover the physiology of the six main physiological systems: the endocrine, reproductive, nervous, cardiovascular/respiratory, renal and digestive systems. Emphasis is placed on the integration of different systems, exploring how one system interacts with the others, and how changes in one system can influence the function of others. In this way, students will develop an understanding of the function of the whole body and not specific systems in isolation.

2. Lecture Schedule:

The course will run from Thursday September 8 to Tuesday Nov 29, inclusive. There will be no BIOM*3200 class on Dec 1 (the last day of classes) so that classes in other courses deferred from Monday Oct 10 (a holiday) can be rescheduled on that day. Each of the six main sections of BIOM*3200 will be delivered over approximately two weeks, so that there will be approximately 12 weeks total class time.

3. Textbooks and Lecture Materials:

A “custom” text book has been prepared from the chapters of the four individual text books used in developing this course (published by McGraw-Hill, available from the University Bookstore). The primary source is Stuart Fox’s book “Human Physiology”, but with additional chapters drawn from other books including “Anatomy and Physiology” by Kenneth Saladin and “Hole’s Anatomy and Physiology” by David Shier. The Powerpoint slides from each lecture will be made available on D2L under Courselink, at least 1 day prior to each lecture. As the semester progresses, you will also see handouts of additional material and notes posted on D2L. Students are expected to be familiar with everything posted to D2L so as to be able to answer examination questions based on that material as well as the weekly assignments posted to the D2L site.

BIOM*3200 will be presented at a level appropriate for the third year of a B.Sc., which means that a superficial knowledge of the facts presented in lectures will not be sufficient, students must ensure that they really understand the material because written answer final exam questions will not be simple and fact-based, they will ask you to think through physiological problems integrating information from different sections of the course. Reference to an on-line medical dictionary may be useful to you in defining the physiological terms used in the lectures. The textbook should be used to clarify lecture notes, but there will also be a discussion board on the D2L site, monitored by the instructor, as well as weekly office hours (Monday at 9a.m & Fridays at 11 a.m.) in which students can come and ask questions in person. **The lectures and the notes posted to D2L are the foundation for the course, but it is your responsibility to ensure that you do the additional work necessary to gain a good overall understanding of Physiology. The credit weight of 1.00 for this course is based on the fact that students will need to devote AT LEAST twice as much individual study time per week (including the on-line assignments) as the number of in-class lecture hours, in order to do well.**

Weekly online assignments will deal with material presented in the lectures the week beforehand and students will have one week to complete each assignment. The assignments will not be timed, so students can complete them in their own time, with reference to the course notes and text book. After they have been marked, D2L will display the correct answers, student’s individual grades for each assignment as well as a running summary of the grade averages for the entire class. Although these assignments will be graded, their primary purpose is instructional, to reinforce the material presented in the course. Therefore, as described below, the marks for the on-line D2L assignments will include a component that is based on participation, as well as a score for the number of questions answered correctly (see below, section 8).

FOR THE PURPOSES OF THE MIDTERM AND FINAL EXAMINATIONS, STUDENTS WILL BE RESPONSIBLE FOR ALL MATERIAL AND INFORMATION COVERED IN THE LECTURES AND POSTED ON THE D2L SITE

4. Methods of Evaluation and Final Mark Components:

Students are expected to attend all lectures. There will be one midterm examination on material presented up to Oct 13 and a final examination on Dec 8 that will cover the entire course but with an emphasis on the material presented in the lectures given after Oct 13. **All students are required to write both examinations.**

4.1 Midterm Examination:

4.1.1 The midterm examination is scheduled for Tuesday Oct 18 in regular class time (5:30-6:50pm). The mid-term examination will be a 60 minute examination in Rozanski 101. Please note that time is included before and after the mid-term to set the exam up and collect the examination papers; there are scheduled classes in ROZH 101 until 17.20 and again at 19.00.

4.1.2 Requests for mid-term examination deferral privileges based on medical or compassionate grounds:

If there you have medical or compassionate reasons that will not permit you to write a mid-term examination, you must inform the Coordinator of the situation by e-mail **EITHER before the examination (preferred), OR, if the circumstances do not allow you to do that, communicate with the coordinator within 5 working days after the examination.** Proof of the medical/compassionate reasons that you claim for your inability to take the scheduled examinations (based on health or compassionate grounds, such as a doctor's note) **will be required.** In some instances, you may be required to obtain a dispensation from your program counsellor before a privilege is granted. **IF YOU DO NOT WRITE A MIDTERM EXAMINATION AND IF YOU DO NOT PROVIDE AN EXPLANATION FOR NOT WRITING THE EXAMINATION WITHIN FIVE DAYS, YOU WILL RECEIVE A MARK OF ZERO FOR THAT EXAMINATION.** Students who are unable to write a midterm examination because of compassionate or medical reasons are encouraged to make arrangements with the Coordinator to take an alternative examination within the two week period allowed for students who have timetable conflicts (see below). **Please note that this will only apply to those students who have provided acceptable documentation.**

4.1.3 Requests for midterm examination deferral privileges based on academic timetable conflicts:

Based on student feedback, the mid-term has been scheduled for a date that does not conflict with any other known mid-term examination time, but this of course does not mean that conflicts are completely excluded. There are a couple of other exams scheduled for Oct 18, at a different time of the day, but unfortunately it is not possible to completely avoid that date because there are so many exams scheduled in the two weeks after Thanksgiving. If you have a conflict between the scheduling of a midterm examination for this course and any components of other courses you must let the Coordinator know by e-mail or in person as soon as you are aware of the conflict, **before the scheduled examination**. You will need to report the nature of the conflict, and it may be necessary to provide a copy of your academic timetable. You must also provide the Coordinator with times when you can be available to take an alternative (deferred) examination. Deferred midterm examination privileges will be provided for those students who have proven academic conflicts; these deferred privileges must be taken within **2 WEEKS** of the regularly scheduled examination. The course instructor will be as flexible as possible with regards to the scheduling of deferred examinations, but because of the class size it may not be possible to accommodate students on an individual basis.

4.1.4 Grading of midterm examinations:

The midterm examinations will be graded within 2 weeks of the date of the scheduled examination and the marks will be posted on the course D2L website. You will find a tear-off page attached to each examination; you can use this page to record your answers for multiple choice questions; you will be allowed to take the page away with you to file for your own records. It is the responsibility of each student to ensure that she/he makes an accurate record of the answers marked on the official answer sheet that will be computer graded.

IF THERE ARE DISCREPANCIES AMONG THE ANSWERS MARKED ON THE TEAR OFF SHEET, THE EXAMINATION PAPER AND THE ANSWERS MARKED ON THE OFFICIAL ANSWER (BUBBLE) SHEET, THE ANSWER ON THE BUBBLE SHEET WILL BE RECORDED AS THE OFFICIAL ANSWER – THERE WILL BE NO EXCEPTIONS.

Students will have 2 weeks after the date of the examination to discuss and/or question your mark with the course Instructor. Additional information regarding requests for access can be found in the Undergraduate Calendar.

5. Final Examination:

The final examination has been scheduled on Thursday, December 8 [2.30-4.30 p.m.]. See the University web site (http://www.uoguelph.ca/registrar/scheduling/index.cfm?exam_fall) for full exam schedule information, if you are unsure about your individual schedule. One week prior to the commencement of Final Examinations, the Final Examination location information will be posted in the Library, Athletic Centre, Office of Registrarial Services and on WebAdvisor. The rules and regulations regarding the final examination, and any requests for deferral privileges are outlined in the University Undergraduate Calendar. Requests for deferral should be made the Undergraduate Program Services. There will be an alternate final scheduled for Thursday Dec 9. Students with a conflict on Dec 6 should make sure the course coordinator is aware that they will need to take the alternate exam on the 9th.

6. Format of Regularly Scheduled Mid-term and Final Examinations:

The midterm examination will consist of multiple choice questions (50 questions in total). The final examination will use a similar format, with 50 multiple choice questions plus an additional 10 written short answer questions that will test students' ability to integrate material from across different sections of the course.

7. Format of Deferred Midterm and Final Examinations:

Deferred and alternate examinations will use the same format as the regularly scheduled mid-term and final exams, to ensure consistency and fairness.

8. Final Mark Distribution:

Course assignments 30% (10% mark for completing the assignments, 20% based on the percentage of correct answers in each assignment). For students who complete only some of the assignments, the completion and performance grades will be pro-rated (i.e. for a student who completes only half the assignments, the maximum assignment grade as a percentage of the total course will be 15%, not 30%).

Midterm examination - 30%

Final examination - 40%

9. University of Guelph Policy Reminders:

Course and Instructor Evaluation

Students will be asked to complete a questionnaire on the teaching performance of the instructor. The questionnaire will be web-based, and available on-line within the week following the completion of the course. The evaluation is required by the University to assess faculty teaching performance for purposes of Tenure, Promotion and annual pay increases. To ensure confidentiality, the evaluation will be administered solely by the office of Teaching Support

Services and NOT by the Instructor or by any member of the Department of Biomedical Sciences. Summaries of these evaluations will be made available to the Instructor ONLY after the grades for examinations have been submitted to the Registrar's Office. You are encouraged to be honest and forthright in your comments.

Academic Misconduct

The University of Guelph takes a very serious view of Academic Misconduct. Included in this category are such activities as cheating on examinations, plagiarism, misrepresentation, and submitting the same material in two different courses without written permission. Students are expected to be familiar with the section on Academic Misconduct in the Undergraduate Calendar and should be aware that expulsion from the University is a possible penalty.