BIO 311 ANIMAL PHYSIOLOGY
Wing tools
(4 Credit Hours)
FALL 2008

Instructor: Melissa A. F. Daggett, Ph.D.
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Email: daggett@missouriwestern.edu (preferred method of contact)
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Office Hours: Monday, Wednesday, Friday 11:30 a.m. - 1:30 p.m.

COURSE INFORMATION
BIO 311 Animal Physiology
Lecture: MWF 10:00 - 10:50 a.m. Agenstein Hall 205
Laboratory: Tuesday 11:00 a.m. - 2:00 p.m. Thursday 8:00 - 10:50 a.m. Agenstein Hall 213
FINAL DATE: Monday Dec. 8th, 2008 8:30 a.m. - 10:20 a.m.

Textbooks (REQUIRED):
3. CPS clicker (Class Key: 641413K739)

COURSE DISCRIPTION
The physiological systems, their functions and interactions in animal physiology with emphasis on the human animal. An introduction to the dynamic functions of animals from the chemical and molecular mechanisms, which sustain cellular processes through the control systems responsible for homeostasis and the influence of these systems on the cellular function of organ and system operation. Laboratory investigation using selected biochemical and physiological preparations allows correlation of theory with experimental observations.

METHODS AND SCHEDULE
This course shall consist of a series of reading assignments, lectures, class discussion periods, projects, quizzes, exams and laboratory investigations. A variety of multimedia aids will be utilized including slides, videos, and computer simulations. Students will be required to use library and laboratory resources for obtaining journal and newspaper articles and for completing computer Internet assignments. A tentative lecture schedule is given at the end of this syllabus and is subject to change.

EVALUATION
This class includes both lecture and lab concurrently, so points from both lecture and lab portions of the course will be used to calculate the final grade. The term grade will be based on the following (tentative and subject to change):

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<tr>
<th>Component</th>
<th>Percentage</th>
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<tr>
<td>Exams</td>
<td>50%</td>
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<tr>
<td>Project</td>
<td>15%</td>
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<tr>
<td>Student Engagement</td>
<td>35%</td>
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The above will be graded no stricter than as follows:
A = 90-100%   B = 80-89%   C = 70-79%   D = 60-69%   F = 0-59%
COURSE REQUIREMENTS

➢ Attendance:
  • Attendance is required and will be monitored by the CPS clicker response system.
  • Conflicts due to extracurricular activities, including athletics, should be brought to the instructor's attention as soon as possible.

➢ Exams:
  • Exams will be given as announced in class. The format of exams will be announced in class. Possible formats include multiple choice, fill in the blank, short answer, essays or a combination of these formats. Exam material will come from readings, lectures, study guides, films, as well as any discussions that occur during lectures or labs. Note that some information discussed during class may not be addressed in the readings and some of the readings may not be discussed in class. However, the point distribution on the exams will match closely the amount of time spent on each topic during lecture periods.
  • Make-up policy: You may make up exams based on the following criteria:
    1. Notify me by phone or email (giving your excuse) before the start of the scheduled exam.
    2. Make arrangements to complete the make-up exam ASAP. (You will not be allowed back into the class until past exams are completed.)
    3. Accept that the make-up exam may be more difficult than the exam given in class.

➢ Project:
  • The project consists of reading, researching and reporting on how specific environmental toxins alter the physiology of animals, including humans. Exact details will be provided later in the semester.

➢ Student Engagement: (Includes all other assignments given in lecture and lab.)
  • Student engagement includes all forms of assignments and assessments other than exams and the project.
  • Student should expect clicker based questions on a daily basis and a variety of other assignments such as quizzes on a weekly basis.
  • All laboratory attendance is mandatory and will require time outside of the scheduled lab periods.
  • Scores on all late assignments will be deducted at a rate of at least 10% per day.
  • Changes to these instructions may occur during the semester to meet the flexible and unavoidable situations that arise during the semester. You will be required to keep yourself updated on a weekly basis to any changes.

STUDENTS WITH DISABILITIES:

➢ Any student in this course who has a disability that prevents the fullest expression of abilities should contact me personally as soon as possible so that we can discuss class requirements.
➢ It will be to the advantage of students with disabilities requiring special accommodation to contact the Special Need Coordinator. The Special Needs Office is located in SS/C 202B. The coordinator will explain services to the student and assist the student with any school related problems that might be encountered. The number is 816-271-4330.

Any form of academic dishonesty will result in a grade of zero for the exam(s), lab practical exams, or other assignments.

Disclaimer: The grading policy as well as lecture topics and exam dates are tentative and subject to change.