

BIOL 414: VERTEBRATE PHYSIOLOGY**FALL 2007**

Meets MWF 9-9:50am LS 214

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Office Hours: M 3-5pm; Th 1pm-2pm;
 Other times by appointment.

Required Text: (*Eckert*) *Animal Physiology: Mechanisms and Adaptations*, 5th edition. Randall, D., W. Burggren, and K. French (2002) W.H. Freeman & Company, New York. ISBN 0-7167-3863-5

<i>Week</i>	<i>Date</i>	<i>Topic</i>	<i>Reading</i>
1	Aug 27 29 31	Physiology, regulation, control systems " "	Ch. 1-4 selected topics
2	Sept 3 5 7	Acquiring Energy " "	Ch. 15 F Quiz 1
3	10 12 14	Energy Expenditure " "	Ch. 16 F Quiz 2
4	17 19 21	Meeting Environmental Challenges " "	Ch. 17 F Quiz 3
5	24	EXAM I	Topics covered weeks 1-4
	26 28	Physiological basis of Neuronal Function "	Ch. 5
6	Oct 1 3 5	" Communication Along and Between Neurons "	Ch. 6 M Quiz 4
7	8 10 12	" Sensing the Environment "	Ch. 7 M Quiz 5
8	15 17 19	" Organization of the Nervous System "	Ch. 8 M Quiz 6
9	22	EXAM II	Topics covered weeks 5-8
	24 26	Glands and Hormones "	Ch. 9 F Quiz 7
10	29 31 Nov 2	" Muscles and Movement "	Ch. 10 F Quiz 8
11	5 7 9	" Circulation "	Ch. 12 F Quiz 9
12	12 14	" "	
	16	EXAM III	Topics covered weeks 9-12
(13)	Nov. 19-23	Thanksgiving Break	
14	26 28 30	" Gas Exchange and Acid-Base Balance "	Ch. 13 F Quiz 10
15	Dec 3 5 7	" Ionic and Osmotic Balance "	Ch. 14
(16)	Tues. Dec 11 at 8:00 - 10:20am	FINAL EXAM	Wks 12-15 + Comprehensive

Grading and Evaluation

Student grades will be based on three midterm exams and a final exam. Grades will be determined on a standard scale where A = 90-100%, B = 80-89%, C = 70-79%, D = 60-69%, and F = 0-59%. Exams will be given in class on the days indicated above. The instructor reserves the right to change the date of exams if necessary, and will inform students in advance.

Exams (3 x 100 points each).....	300 pts
Final Exam.....	150 pts
Quizzes (10 x 10 points each).....	100 pts
Assignments (2 x 25 points each).....	50 pts
TOTAL.....	600 pts

Exams

THERE ARE NO MAKE-UP EXAMS, except under extreme circumstances. Arrangements must be made with the instructor in advance of the test date. The make-up exam may be oral, written, or both.

Everyone must take the **Final Exam**. If you cannot take the final exam on the scheduled date for any valid reason (severe illness, death in the family, etc.), then you must contact me directly (*not* by e-mail) **before** the exam to make alternative arrangements.

Quizzes

THERE ARE NO MAKE-UP QUIZZES. There will be a total of 12 quizzes given in class. The quiz dates are marked on the syllabus. I will make an announcement in class to let you know when a quiz is coming up and what chapters it will cover. Only your best 10 quiz scores will be counted towards your final grade. If you miss a quiz, you will be given a zero and it will count as one of your low quizzes.

Assignments

There will be 5 assignments – they may be in-class or take-home. If you are absent on the day the assignment is handed out, it is your responsibility to make it up. Late assignments will only receive up to 6 points max.

Attendance and Class Participation

Absence will only be excused for documented illness, death in the family or for university sanctioned events (e.g., athletics) as determined by the instructor and must be reported in advance (or as soon as possible). Your prompt arrival to class, attention during class, and participation in class discussions is strongly encouraged.

Classroom Etiquette & Guidelines

- Please arrive to class on time and do not leave class early.
- Please do not talk during class; it is disruptive and distracts the other students.
- Turn cell phones and pagers OFF during class.

Students with Disabilities

This University abides by the Americans with Disabilities Act and Section 504 of the Rehabilitation Act of 1973, which stipulate that no student shall be denied the benefits of an education “solely by reason of a handicap.” If you have a documented disability that may impact your work in this class and for which you may require accommodations, you must be registered with and provide documentation of your disability to the Disability Services Office, which is located in the Psychology Building, room 232.

Academic Dishonesty

You are expected to be honest and ethical in your academic work. Academic dishonesty is subject to the disciplinary process outlined in the CSU-P Student Conduct Regulations. Academic dishonesty is defined as an intentional act of deception in one of the following areas:

- Cheating – use or attempted use of unauthorized materials, information or study aids.
- Fabrication – falsification or invention of any information.
- Assisting – helping another commit an act of academic dishonesty.
- Tampering – altering or interfering with evaluation instruments and documents.
- Plagiarism – representing the works or ideas of another person as one’s own.