Reedley College - Fall 2009

Class: Biology 22 – Human Physiology - 57500

Lecture in LFS11 – Monday & Wednesday: 9:00am – 10:50am
Laboratory in LFS11 – Friday: 9:00am – 11:50am

Instructor: Dr. B.J. Marquez

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Office: Life Science Room 13 **Phone:** 559-638-3641 ext. 3257
Office Hours: Monday 3 pm, Tuesday 4 pm, & Wednesday 11:00 am or to arrange

Attendance:

You are required to attend **ALL** class sessions. There are NO excused absences except as defined in the Reedley College Catalog. If you are absent more than FIVE hours during the semester, you MAY be dropped from the class. If you are absent more than TEN hours, you **WILL** be dropped from class. If your ELEVENTH hour of absence occurs after the last day to drop, your final point total will be lowered by 25 points for each absence.

Tardiness: Three tardies equal one class absence.

***** I reserve the right to make changes in this syllabus with notification *****

Final Grade: Determined on a basis of points accrued throughout the course.

A = 90 - 100%	60%	- Seven (7) lecture exams: 100 points each
B = 80 - 89%	15%	- One (1) final exam: 150 points
C = 70 - 79%	20%	- Laboratory assignments: 200 points
D = 60 - 69%	5%	- Lecture & Laboratory participation : 50 points
F = 59% & lower		

Major Class Objectives: Upon successful completion of the course, the student will be able to:

1. Explain why homeostasis is a state that results in normal body activities and why the inability to achieve homeostasis is a condition that leads to malfunction.
2. Describe the interrelationships of body systems in maintaining homeostasis.
3. Compare the role of endocrine and nervous systems in maintaining homeostasis.
4. Describe the role of the kidneys in maintaining homeostasis.
5. Describe the role of the lungs in maintaining homeostasis.
6. Compare specific and non-specific mechanisms of defense against infection.
7. Describe the role of the circulatory system in homeostasis.
8. Analyze and evaluate problems associated with fluid balance and acid-base balance.
9. Demonstrate an understanding of the metabolic relationships in the absorptive state versus the post-absorptive state.
10. Explain the physiological basis of skeletal muscle contraction.
11. Describe the physiological anatomy of the male and female sexual organs and the control of reproductive function by hypothalamic GnRH and pituitary FSH and LH.
12. Assess the impacts of various pathophysiological conditions on homeostasis.

NO FOOD OR DRINK ALLOWED IN ANY CLASSROOMS NO EXTRA CREDIT
No children allowed in class at any time No disruptive behavior
Tardy assignments count for only one-half credit or no credit.

"If you have special needs as addressed by the Americans with Disabilities (ADA) act including alternate media requests, please notify your course instructor immediately. Reasonable efforts will be made to accommodate your special needs."

BIOLOGY 22 **Fall 2009** Schedule - 57500 **Dr. B.J. Marquez**

*****Tentative Schedule - subject to Change with Notification*****

WEEK	LECTURE CHAPTERS - SCHEDULE Monday	Wednesday	LAB ASSIGNMENT SCHEDULE Friday	EXAM DATES & SCORES
1	17-Aug 1 -Study of Body Function	19-Aug 2 - Chem Comp of Body	21-Aug Ex. 1.2 & 1.3	
2	24-Aug 3 - Cell Struc & Gene Cont	26-Aug 4 - Enzymes & Energy	28-Aug Ex. 2.1, 2.4, & 2.5	
3	31-Aug 5 - Cell Resp & Metab	2-Sep 5 - Cell Resp & Metab 6 - Cells & Extracellular	4-Sep **Exam #1 (1 - 5)**	4-Sep 1
4	**7-Sep** **Labor Day**	9-Sep 6 - Cells & Extracellular	11-Sep Ex. 2.6	
5	14-Sep 7 - NS: Neurons & Synapse	16-Sep	17-Sep Ex. 3.1, 3.2, & video	
6	21-Sep **Exam #2 (6 & 7)**	23-Sep 8 - The CNS	25-Sep Ex. 3.4	21-Sep 2
7	28-Sep 9 - The ANS	30-Sep 10 - Sensory Phys	1-Oct Ex. 3.5 & 3.6	
8	5-Oct **Exam #3 (8, 9, 10)**	7-Oct 11 - Endocrine	9-Oct Ex. 4.1	5-Oct 3
9	12-Oct 12 - Muscles	14-Oct *DROP DATE*	16-Oct Ex. 5.1 & 5.2	
10	19-Oct **Exam #4 (11 & 12)**	21-Oct 13 - Blood Heart & Circ.	23-Oct Ex. 6.1 & 6.3	19-Oct 4
11	26-Oct 14 - CO, BF & BP	28-Oct	30-Oct Ex. 7.2, 7.3, & 7.6	
12	2-Nov **Exam #5 (13 - 14)**	4-Nov 16 - Respiratory Phys	6-Nov Ex. 8.1 & 8.4	2-Nov 5
13	9-Nov	**11-Nov** **Veterans Day**	13-Nov Ex. 9.1 & 9.2	
14	16-Nov 17 - Phys of the Kidneys	18-Nov	20-Nov **Exam #6 (16 - 17)**	20-Nov 6
15	23-Nov 18 - Digestive System	25-Nov 19 - Reg of Metabolism	**27-Nov** **Thanksgiving Day**	
16	30-Nov	2-Dec **Exam #5 (18 - 19)**	4-Dec 15 - The Immune System Video	2-Dec 7
17	7-Dec 20 - Reproduction	9-Dec	11-Dec Video	
18	**14-Dec** **Final Exam** **9:00am - 10:50am**			14-Dec Final