

Lecture in LFS11 Monday & Wednesday: 9:00am – 10:50am
Laboratory in LFS11 **Whitney Menefee**, MS
Thursday: 9:00am – 11:50am

Lecture Instructor: Fleuridor, PhD
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Office Hours (LFS 5): Mon 11am-noon, Tues 5-6pm, Wed 11am-noon, Thurs 5-6pm

REQUIRED TEXTS / BLACKBOARD

Text: Human Physiology by Stuart Ira Fox, 12th Edition. ISBN: 978-0-07-337811-4

Laboratory Manual: Human Physiology by Stuart Ira Fox, 14th Edition. ISBN: 978-0-07-337811-4

Check your emails and blackboard account regularly for announcements, reading materials and assignments, and any changes in the syllabus. All lecture and lab handouts, lecture notes, course schedules will be posted on Blackboard. Visit <http://blackboard.reedleycollege.edu> and use your student ID number as both the user name and password to enter your account.

This course provides a basic understanding and working knowledge of the human body with emphasis on the functions of each major system. The interrelationship between human systems and the relationship between structure and function of each system will be studied at several levels (biochemical, cellular, organ levels).

PREREQUISITES: Biology 20 and Chemistry 1A or 3A.

Upon completion of this course, students will be able to:

- A. describe the function of each human organ and organ system.
- B. explain the cell membrane potential and how it becomes an action potential.
- C. describe the cell-to-cell communication.
- D. demonstrate the use of the electrocardiograph and identify the components of a normal reading.
- E. describe the interactions of the respiratory and excretory systems.
- F. demonstrate critical thinking in the evaluation of homeostasis.

COURSE OBJECTIVES:

In the process of completing this course, students will:

- A. assess the basic structure and function of each system in the human body.
- B. assess the results of laboratory experiments and demonstrations.
- C. illustrate the cell membrane, its electrical activity and the conduction of action potentials.
- D. compare the autonomic system and the endocrine system.
- E. analyze the cardiovascular system by performing an EKG and monitoring blood pressure.
- F. evaluate lung and kidney function using computer simulations.

MAINTAINING A RESPECTFUL CLASSROOM

You are expected to respect one another, school property, and the instructor. You are responsible for your education, which includes asking questions, listening, studying, being on time, and seeking help when necessary.

No food or beverages allowed. Cell phone use will not be tolerated in this class; turn off your cell phones prior to class. Laptops may be used in this class; laptop users should sit in the back row to avoid distracting others.

Any student caught cheating or plagiarizing will be subject to the Reedley College disciplinary procedures (review the Reedley College catalog section on academic dishonesty).

Students with diagnosed disabilities should contact the Disabled Students Programs and Services (DSP&S). Please give me a copy of the letter you receive from DSP&S detailing class accommodations you may need. If you require accommodation for test-taking please make sure I have the letter no less than three days before the test.

ATTENDANCE AND DROP/ADD POLICY

Excuses for absences will be honored at my discretion. You are responsible for dropping yourself from the class if you wish to do so, prior to the drop date (**October 15**). Students (both enrolled and waitlisted) will be dropped from the course based on the following policy:

- Student does not attend the first lecture.
- Student does not attend the first lab.
- Student misses a cumulative 8 hours (lecture or lab) in the first three weeks.
- Student misses 8 hours (lecture or lab) up to drop date without providing an excuse.

EVALUATION AND GRADING

<u>Description</u>	<u>Possible Points</u>
6 Lecture Exams (125 points each)	750
Quizzes	100
Lab Assignments	200
Lecture & Lab participation	50
Cumulative Lecture Final	200
Total points	1400

The grade you receive for the course will be based on the following scale:
 90% + = A 80-89% = B 70-79% = C 60-69% = D 59% and Below = F

Lecture exams will be multiple-choice, fill in the blank, matching questions with short-answer or essay questions based on the main objectives of each chapter. Correct spelling and grammar is important. Write neatly; if I can't read it, I can't grade it! Your final exam will be cumulative.

Class and Lab Participation: You will be expected to be an active member of this class. Participation includes but is not limited to classroom discussion, attendance, active learning, and group activities.

LATE ASSIGNMENTS AND MAKE-UP POLICY

For any work (labs and papers) turned in late, 10% of the total points possible will automatically be deducted, with an additional 10% for each additional late day. Assignments that are over one week late will not be accepted. You may, at my discretion, make up one lecture exam if you miss it due to extreme circumstances. There are no make up quizzes.

TENTATIVE SCHEDULE – subject to change with notification

		<u>LECTURE CHAPTERS</u>		<u>LAB ASSIGNMENTS</u>
		<u>Monday</u>	<u>Wednesday</u>	<u>Thursday</u>
Week	1	13-Aug 1: Study of Body Function	15-Aug 2: Chem Comp of Body	16-Aug Ex 1.2, 1.3
		20-Aug 3: Cell Struc & Gene Quiz 1	22-Aug 4: Enzymes & Energy	23-Aug Ex 2.1, 2.4, 2.5
	3	27-Aug 5: Cell Resp & Metab	29-Aug 5: Cell Resp & Metab	30-Aug Exam #1 (1-5)

	Quiz 2		
4	3-Sep Labor Day	5-Sep 6: Cells & Extracellular	6-Sep Ex 2.6
5	10-Sep 7: Neurons & Synapses Quiz 3	12-Sep Neurons & Synapses	13-Sep Ex 3.1, 3.2, video
6	17-Sep Exam #2 (6-7)	19-Sep 8: CNS	20-Sep Ex 3.4
7	24-Sep 9: ANS Quiz 4	26-Sep 10: Sensory Phys	27-Sep Ex 3.5, 3.6
8	1-Oct 10: Sensory Phys Quiz 5	3-Oct 11: Endocrine	4-Oct Ex 4.1
9	8-Oct Exam #3 (8-11)	10-Oct 12: Muscles	11-Oct Ex 5.1, 5.2
10	15-Oct 12: Muscles Quiz 6	17-Oct 13: Blood Heart Circ	18-Oct Ex 6.1, 6.3
11	22-Oct 14: CO, BF, BP Quiz 7	24-Oct 14: CO, BF, BP	25-Oct Ex 7.2, 7.3, 7.6
12	29-Oct Exam #4 (12-14)	31-Nov 15: Immunity	1-Nov Ex 8.1, 8.4
13	5-Nov 15: Immunity	7-Nov 16: Resp Phys Quiz 8	8-Nov Kidney Lab
14	12-Nov Veterans Day Holiday (No Class)	14-Nov 17: Kidney Phys	15-Nov Exam #5 (15-17)
15	19-Nov 18: Digestive System	21-Nov 18: Digestive System	22-23 Nov Thanksgiving
16	26-Nov 19: Metabolism Quiz 9	28-Nov 19: Metabolism	29-Nov Exam #6 (18-19)
17	3-Dec 20 - Reproduction	5-Dec 20 - Reproduction	6-Dec Review
18	10-Dec Final Exam (Cumulative)		