### **BIOLOGY 20 SYLLABUS**

### SPRING SEMESTER 2011 JAVIER G. ELIZONDO, M.D., F.A.A.F.P.

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Office Hours: N/A

#### I. A.COURSE DESCRIPTION:

Biology 20 is a **4 unit course** on Human Anatomy. This course provides the basic understanding and working knowledge of the human body. The emphasis will be placed on **structure** which permits function at all levels of organization:

Chemical (subatomic, atomic and molecular levels), cellular, tissue, organs, organ system, organism, and homeostasis of the organism in its environment.

The understanding of the relationship of form to function will be emphasized in each of the 11 organ systems as they relate to maintaining homeostasis.

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□ DATES: .....01 10 11 -----05 20 11

### LAST DAY TO:

\*REGISTER FOR FULL-TERM FALL CLASS or DROP A CLASS

WITHOUT A "W": 01 28 11

YOU ARE NOT REGISTERED UNTIL PAPERWORK IS PROCESSED AND FEES PAID,

i.e., IF YOU ARE NOT REGISTERED YOU MAY NOT ATTEND THE CLASS.

•CHANGE TO/FROM PASS/NO PASS GRADING BASIS:

02 11 11

**■**DROP A FALL CLASS: 03 11 11

Without receiving a letter grade. NO EXCEPTIONS

□ DAYS a	and TIME:
TUESDA	Y AND THRUSDAY NIGHTS
LECTURE:	6:00 PM - 7:15 PM10 MIN BREAK 7:25-8:40 PM
□ LOCATI	ON DHS #207, Dinuba, CA, 93618
□ HOLIDA	YSNA
□ SPRING	BREAK AND FINAL EXAM:see RC class schedule
II. PRERE	EQUISITES:
last 5 years is	I completion of Biology 1 or 5 with a "C" or better (completion within the s Recommended); PLEASE PROVIDE PROOF BY END OF FIRST WEEK—IF ASKED TO DO SO.
☐ Eligibility	for English 125, 126, and Math 101 is recommended (A, CSU-GE, UC, I)
III. A. MA	TERIALS:
BENJAMIN	Anatomy, current Edition: Martini, Timmons, & Tallish; PEARSON, CUMMINGS RATORY MANUAL: Human Anatomy, TBA Lecture Outlines on Blackboard (if it is on Blackboard you are responsible
for it—	so download them.
☐ D. Labora	tory Coat /Smock as appropriate. To be worn for all classes. DRESS
APPR	OPRIATE TO A MEDICAL SETTING IS REQUIRED.
☐ E. Scantro	n ® Forms 884 -E (unless directed to otherwise prior to examination),
alway	ys have at least 2, AND 883 E (#5)
□ A. DICTI	<b>CONGLY RECOMMENDED:</b> ONARY: of medical and nursing terms. DORLANDS ILLUSTRATED DIC. Or its equivalent.

### IV. COURSE OBJECTIVES\*: Upon completion of this course, students SHOULD be able to:

$\ \square$ A. Identify the structure and function of each body system at the macroscopic and microscopic level.
$\ \square$ B. Critically analyze and deductively reason out each clinical case as it relates to human organs and organ system.
$\ \square$ C. Follow steps outlined in the scientific method in each clinical situation that arises.
$\hfill \square$ D. Handle equipment appropriate to each clinical setting: microscopes, computers, and laboratory equipment.
$\square$ E. Function in any allied health field (such as nursing, dental hygiene, radiology technology, research, etc.) with the foundation of the human body anatomy and function.
$\ \square$ F. Satisfy a basic requirement for a variety of biological, medical, physical education, and health-oriented programs.
• updated course outlines are available on the RC intranet:

www.reedleycollege.edu/default.aspx?dir=tcp/curriculum

## V. EVALUATION OF STUDENT ACHIEVEMENT & GRADE DETERMINATION:

### □ STUDENTS WILL BE GRADED IN THE FOLLOWING CATEGORIES:

- 1. **Writing**-substantial writing assignments are required.-Required assignments may include but are not limited to the following: journal reading assignments, lab reports, essay questions involving critical thinking, written homework including the muscle list, and online exercises. **If I can not read your writing you will NOT receive proper credit.**
- 2. **Problem solving**-required assignments may include, but are not limited to the following: metric system conversion from the English system, quizzes on the microscopic and macroscopic anatomy, exams with multiple choices, matching. and essay questions, laboratory reports on each human body system.
- 3. **Objective examinations**: including multiple choice, true/false, matching, completion, essays, and labeling.

WORD BANKS **MAY OR MAY NOT** BE PROVIDED- MY OPTION. IF A WORD BANK IS PROVIDED THE EXAMINATION WILL, BY NECESSITY, BE MORE DIFFICULT/ LONGER / MORE COMPLEX.

### THE FOLLOWING WILL NEGATIVELY IMPACT YOUR GRADE:

# *◇NOT FOLLOWING DIRECTIONS ON THE EXAMINATION ◇MISMARKING YOUR EXAM*

# *♦* NOT COMPLETING YOUR EXAMINATION AND LEAVING THE *♦* CLASS ROOM:

TION VIIO	>>>>	
MAY SIT FO	R THE EXAM ONLY	
POINTS	%OF GRADE	
300	50	
100 (IF APPLICABLE: -10/INCORRECT		
100 (LATE	E WORK: 0 POINTS/ -10/LAB IF	
100 /		
	BE PART OF LECTURE EXAM)	
	50	
1000	50	
ΓΟ THE FOLL  nd will be <b>O</b> N	OWING  LY for the entire class	
	POINTS	

The instructor has the **FINAL** say in ALL grades. Additional factors that **MAY** influence your grade are: degree of participation in class, staying for the entire lecture or lab, laboratory technique and neatness, and if applicable improvement during semester.

Lecture and Laboratory Examination Questions will **not** be returned to the student. Test questions are from lectures, notes, and text materials.

The Final Exam is COMPREHENSIVE AND IS 50 % OF YOUR FINAL GRADE.

MAKE UP EXAMS: NONE

FAILURE TO SIT FOR AN EXAMINATION WILL RESULT IN AN "F" FOR THAT EXAMINATION AND PROBABLY THE COURSE.

Lab examinations are set up only ONCE, and therefore, can NOT be made up if you do not take that examination. The quizzes are at the beginning of the laboratory session. If you arrive late to lab, and miss the quiz, consider it a ZERO. Quizzes are from lecture and laboratory materials. The quizzes will be timed, so be on time.

Each student should keep an accurate running total of their grade along with the instructor. You can check your grades on the internet on web grade via the BLACKBOARD site: go to the external links section and click on "web grade" to view your grades.

If not posted—check with the Instructor. <a href="http://www.blackboard@reedleycollege.edu">http://www.blackboard@reedleycollege.edu</a> your username is your 7 digit student ID number/ your web grade password can be obtained from your Instructor.

## VI. ATTENDANCE POLICY/ TARDIES/TELEPHONES/ADA/TIMELINESS OF WORK/SAFETY/etc.

A. 100%Attendance is REQUIRED: SEE "B" BELOW: MANDATORY

□ Exceptions required <b>VALID</b> medical excuses (in writing from the doctor's* office): Transportation delays, personal and business engagements, registration or program changes are considered UNEXCUSED.
□ Roll is taken in lecture and laboratory (at the beginning of class).
☐ A Seating Chart may be implemented by the 2 <sup>™</sup> week of class.
□ YOU WILL <b>NOT</b> BE ALLOWED TO LEAVE EARLY FROM CLASS—
SCCCD and STATE LAW REQUIRES THAT YOU ATTEND ALL OF THE ALLOTTED HOURS EACH WEEK. IF you do leave without a valid reason you will counted as absent for that day in BOTH lecture AND Lab.
□ CALLING ME OR SENDING A MESSAGE BY TEXT/EMAIL/FELLOW STUDENT DOES <b>NOT</b> EXCUSE YOU.

• PLEASE REMEMBER I KNOW MOST OF THE DOCTORS IN THE AREA ON A FIRST NAME BASIS .

You will be **DROPPED** for the following reasons:

I will give you notice of your attendance status should the need arise (see Attendance policy in your current SCCCD Class Schedule). ALSO see I.B. Schedule. Dates. (above)
☐ Continuous nonattendance for the first 2 (two) weeks of instruction. Arrangements must be made with the instructor.
☐ For excessive Unexcused Absences (UAs): (for the lecture: 3 UAs for the semester or 2 UAs during the 1*three weeks; lab: 2 UAs)
☐ Lack of participation in the Laboratory OR not being prepared for class.
☐ Being tardy to class or lab: I consider more than 5 minutes late to class as being tardy. If you do arrive late please do not disrupt the class or the instructor.
☐ (FYI 3 Tardies= 1 Unexcused Absence).
□ NOTIFY ME (IN WRITING) PRIOR TO ABSENCE IF AT ALL POSSIBLE—OR AS SOON AS POSSIBLE (ASAP) AFTER THE ABSENCE.
PLANNED ABSENCES FOR VACATIONS (i.e. NON MEDICAL NON FAMILY EMERGENCY) ARE <b>NOT</b>
VALID EXCUSES.
SERVING ON THE ARMED FORCES RESERVES IS A VALID EXCUSE.
Medical and or family emergencies are (if verified) considered valid excuses.
Medical and or family emergencies are (if verified) considered valid excuses.  In accordance with the State Education Code and college policy, no student may be dropped after 50% of the class, but must receive a letter grade other than a "W". Students who intend to drop a class should do so themselves (see Dropping a Class in your college catalog) and not depend on the instructor to drop them for nonattendance. The college and its individual instructors assume no responsibility to change grades assigned to a student as a result of the student's failure to properly drop a class.
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221 Main Street, Suite 1020 San Francisco, CA 94105 ☐ E. Timeliness of work: Late work is **NOT** Accepted FOR CREDIT. Lab reports are due at the START of next lab period UNLESS YOU ARE INSTRUCTED OTHERWISE. ☐ F. For your health and safety - food and drinks are **NOT** allowed in the classroom or laboratory. ☐ G. Visitors are **NOT** allowed in the class room or laboratory. ☐ H. Anatomic models, displays, microscopes, any property of Reedley College or SCCCD, Property of the DHS, or someone else's property (without their written permission) may **NOT** be removed from the class room or laboratory. (**NO EXCEPTIONS**). In other words stealing is **not allowed or tolerated**. ☐ I. Class Room Behavior: You are all adults and will be expected to act as such. That being said, ANY behavior that interferes with instruction, the instructor, or your fellow student's learning experience will **NOT** be tolerated. If the offensive or distracting behavior or action continues after being given verbal and or written notice (after 3 verbal notices), further disciplinary actions will be implemented. If the behavior or action is extreme you will be asked to leave the class immediately, and if necessary local authorities called. ☐ J. It is essential and **YOUR** responsibility to stay informed of any changes in assignments, their due dates, etc.

### VII. ACADEMIC HONESTY:

Office for Civil Rights

U.S. Department of Education

#### HONESTY IS THE ONLY POLICY ACCEPTED:

Missing a class does not excuse you from this responsibility.

DISCIPINARY PROCEDURES ARE OUTLINED INYOUR REEDLEY COLLEGE STUDENT CATALOG: (summary to follow)

**INFRACTIONS: INCLUDE BUT ARE NOT LIMITED TO:** 

CHEATING, PLAGARISM, COLLUSION, STEALING or ANY other form of deception with which a student FALSELY demonstrates a student's abilities or ownership.

#### **ACTIONS FOR ACADEMIC DISHONESTY:**

$\square$ <b>A. CONFERENCE</b> with the student to address the allegations.
□ <b>B. NOTIFICATION</b> of division dean, and notation in student's PERMANENT RECORD if the allegations are verified and substantiated.
☐ <b>C. CONSEQUENCES</b> include receiving and "F" in the class and may lead to "D"
☐ D. <b>PROBATION AND OR DISMAL</b> . (see your college catalog for further details) and if necessary notification of law enforcement.

## VIII. STATEMENT of NONDISCRIMINATION POLICY and OBLIGATIONS:

Institutions of the State Center Community College District do not discriminate on the basis of race, color, national origin, sex, disability, age or sexual orientation in any of its policies, procedures, or practices in compliance with state and federal laws. See your course catalog for the codified statues.

### IX. Disclaimer

Notwithstanding anything to the contrary, THE practices and policies of the SCCCD and applicable State and Federal law take precedence over any statement contained herein.

The instructor reserves the right to make any changes on the time schedule as deemed appropriate in accordance with SCCCD polices and practices. (without prior notice). If any changes to the syllabus are necessary you will be given a written notice prior to its implementation and only after administrative approval.

### LECTURE SCHEDULE AND LABORATORY ASSIGNMENTS:

### 1<sup>ST</sup> 9WEEKS

LECTURE / TEXT MATERIAL AND\*
LABORATORY AND EXAMINATION SCHEDULE:\*

WEEK#: LECTURE/TEXT READING LAB\_SESSION/PERIOD\_\_\_\_\_

1) INTRO TO ANATOMY- LAB 1: INTRO/ORGANIZATION

CYTOLOGY- LAB 2: MICROSCOPY

2) TISSUES-INTEGUMENT-LAB 4: TISSUES

3) OSTEOLOGY- LAB 5: INTEGUMENT

LAB 6: INTRO TO BONE

4) SKELETAL SYSTEM LAB 7: TBA

CHAPTERS 6,7 LAB 8: AXIAL BONE

5) ARTICULATIONS-8 LAB 9: APPY BONE

MUS. TISSUE-9 LAB 10: ARTICULATIONS

6) MUSCULAR SYSTEM LAB 11: MUSCLE

CHAPTERS 10 LAB 12: AXIAL MUSCLE

7) CHAPTER 11 LAB 13: AXIAL

LAB 14: APPY MUSCLE

LETTER GRADE----LETTER GRADE----LETTER GRADE----LETTER GRADE----

8) CHAPTER 12 LAB 15: APPY

LAB 16: TRUNK MUSCLE

9) NERVOUS SYSTEM -13 LAB 17: TBA

LAB 18: NERVOUS SYSTEM

2<sup>ND</sup> 9WEEKS:

10) 14, 15 LAB 19: BRAIN/CRANIAL NERVES

LAB 20: SPINAL CORD

11) 16-17 LAB 21: SOMATIC NERVES

LAB 22: SENSORS

12) 18-19 LAB 23: ENDOCRINE

LAB 24: MALE REPRO

13) TBA LAB 25: TBA

LAB 26: TBA

14) 27, 28 LAB 27: FEMALE REPRO

LAB 28: DEVELOPMENT

15) CARDIOVASCULAR-20, 21 LAB 29: LAB 30: BLOOD

16) 22, LYMPH-23 LAB 31: HEART

LAB 32: VESSELS

17) RESPIRATORY 24 LAB 33: RESPIRATORY

LAB 34: GI

18) GI-25, GU-26 LAB 35: GU

LAB 36: LAB EXAM

19) FINAL EXAM-

COMPREHENSIVE: UNITS 1, 2, 3, 4

\*SEE HOLIDAY SCHEDULE—LECTURES AND/OR LAB SESSIONS WILL BE GIVEN EITHER BEFORE OR AFTER

### THIS IS A **TENTATIVE** SCHEDULE ONLY:

THE INSTRUCTOR RESERVES THE RIGHT TO MODIFY, AMEND, OR DELETE ANY PORTION THEREOF BASED ON TIME CONSTRAINTS.