

# ***Reedley College***

# ***Spring 2012***

**Class:** Biology 5 – Human Biology 51832 (4 Units)  
Lecture - Tues & Thurs: 1:00pm – 2:15pm - in SOC 32  
Laboratory - Thurs: 2:30pm – 4:20pm - in LFS 17

This course is an introductory human biology course that examines science and societal issues. There is special emphasis on the following body systems: Circulatory, Digestive, Respiratory, Urinary, Skeletal, Muscular, Nervous, Sensory, Endocrine, Reproductive and Genetics.

**Basic Skills Advisories: Eligibility for English 125, 126, and Mathematics 101**

**Text:** Human Biology (twelfth edition) by Sylvia S. Mader McGraw Hill  
**Lab Manual:** Human Biology (twelfth edition) by Sylvia S. Mader McGraw Hill

**Instructor:** Dr. B.J. Marquez

**E-mail:** bernard.marquez@reedleycollege.edu

**Office:** Life Science Room 13 **Phone:** 559-638-3641 ext. 3257

**Office Hours:** Tuesday 12:00pm, & Thursday 9:00am 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%	50%	- Five (5) Exams
B = 80 - 89%	15%	- One (1) Final Exam
C = 70 - 79%	28%	- Fourteen (14) Laboratory Assignments
D = 60 - 69%	7%	- Lecture & Laboratory Participation
F = 59% & lower		

**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 5 - Human Biology 51832**  
**Lecture & Lab Schedule**

**Dr. Marquez**  
**\*\*I reserve the right to make changes in this schedule with notification\*\***

**Spring 2012**

Tuesday Lecture	
1	10-Jan-12 Chapter 1 - Exploring Life & Science
2	17-Jan-12 Chapter 3 - Cell Structure & Function
3	24-Jan-12 Chapter 4 - Organization & Regulation of Body Systems
4	31-Jan-12 <b>Exam 1 (Chapters 1-4)</b>
5	7-Feb-12 Chapter 6 - Cardiovascular System: Blood
6	14-Feb-12 Chapter 7 - Lymphatic System & Immunity
7	21-Feb-12 <b>Exam 2 (Chapters 5-8)</b>
8	28-Feb-12 Chapter 11 - Skeletal system
9	6-Mar-12 Chapter 13 - Nervous System
10	13-Mar-12 Chapter 14 - Senses
11	20-Mar-12 Chapter 16 - Reproductive System
12	27-Mar-12 Chapter 18 - Patterns of Chromosome Inheritance
13	3-Apr-12 <b>Spring</b>
14	10-Apr-12 Chapter 18 - Patterns of Chromosome Inheritance
	17-Apr-12 Chapter 21 - DNA Biology and Technology
15	24-Apr-12 Chapter 19 - Cancer
16	1-May-12 <b>Exam 5 (Chapters 18 - 21)</b>
17	8-May-12 Chapter 23 - Global Ecology

**Final Exam: Thursday**

Thursday Lecture	
	12-Jan-12 Chapter 2 - Chemistry of Life
	19-Jan-12 Chapter 3 - Cell Structure & Function
	26-Jan-12 Chapter 8 - Digestive System and Nutrition
	2-Feb-12 Chapter 5 - Cardiovascular System: Heart and Blood Vessel
	9-Feb-12 Chapter 8 - Digestive System and Nutrition
	16-Feb-12 Chapter 9 - Respiratory System
	23-Feb-12 Chapter 10 - Urinary System & Excretion
	1-Mar-12 Chapter 12 - Muscular system
	8-Mar-12 <b>Exam 3 (Chapters 9 - 12)</b> <b>Drop Date</b>
	15-Mar-12 Chapter 15 - Endocrine System
	22-Mar-12 Chapter 17 - Development and Aging
	29-Mar-12 <b>Exam 4 (Chapters 13 - 17)</b>
	5-Apr-12 <b>Break</b>
	12-Apr-12 Chapter 20 - Patterns of Genetic Inheritance
	19-Apr-12 Chapter 21 - DNA Biology and Technology
	26-Apr-12 Chapter 19 - Cancer
	3-May-12 Chapter 22 - Human Evolution
	10-May-12 Chapter 24 - Human Population, Planetary Resources, & Conservation

**17-May-12**

Thursday Laboratory	
	12-Jan-12 <i>Lab 2 - Light Microscopy</i>
	19-Jan-12 <i>Lab 3 - Chemical Composition of Cells</i>
	26-Jan-12 <i>Lab 4 - Cell Structure and Function</i>
	2-Feb-12 Video
	9-Feb-12 <i>Lab 8 - Chemical Aspects of Digestion</i>
	16-Feb-12 <i>Lab 7 - Cardiovascular System</i>
	23-Feb-12 <i>Lab 10 - Homeostasis</i>
	1-Mar-12 <i>Lab 11 - Musculoskeletal System</i>
	8-Mar-12 Lecture - Chapter 13 - Nervous System
	13-Mar-12 <i>Lab 12 - Nervous System and Senses</i>
	20-Mar-12 <i>Lab 13 - Development</i>
	29-Mar-12 <i>Lab 14 - Mitosis and Meiosis</i>
	<b>Holiday</b>
	12-Apr-12 <i>Lab 15 - Patterns of Inheritance</i>
	19-Apr-12 <i>Lab 16 - DNA and Biotechnology</i>
	26-Apr-12 Review
	3-May-12 <i>Lab 17 - Human Evolution</i>
	10-May-12 <i>Lab 18 - Effects of Pollution on Ecosystems</i>

**At 1:00 - 2:50pm**