

# ***Reedley College - Fall 2009***

**Class:** Biology 5 – Human Biology 57420  
Lecture - Tues 2:00pm – 3:50pm & Thur: 1:00pm – 1:50pm - in LFS 17  
Laboratory- Thur: 2:00pm – 3:50pm - in LFS 17

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

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

**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%	50%	- Five (5) Exams: 100 points each
B = 80 - 89%	15%	- One (1) Final Exam: 150 points
C = 70 - 79%	25%	- Laboratory Assignments: 250 points
D = 60 - 69%	10%	- Lecture & Laboratory Participation : 100 points
F = 59% & lower		

**Major Class Objectives:** Upon completion of this course, students will be able to:

- A. understand the process of science and society, microscopy, and the cell
- B. identify human body levels of organization and homeostatic mechanisms
- C. understand the chemical basis of life
- D. evaluate scientific literature and current biological achievements
- E. apply the principles of genetics to humans and understand the outcome of normal and abnormal DNA
- F. understand the structure and function of the following systems: circulation, digestive, respiratory, urinary, skeletal, muscular, nervous, sensory, endocrine, reproduction, and genetics and evolution

**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 57420**  
**Lecture & Lab Schedule**

**Dr. Marquez**

**Fall 2009**

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

	Tuesday Lecture	Thursday Lecture	Thursday Laboratory
1	18-Aug-09 Chapter 1 - Exploring Life & Science	20-Aug-09 Chapter 2 - Chemistry of Life	20-Aug-09 <i>Lab 3 - Chemical Composition of Cells</i>
2	25-Aug-09 Chapter 3 - Cell Structure & Function	27-Aug-09	27-Aug-09 <i>Lab 4- Cell Structure and Function</i>
3	1-Sep-09 Chapter 4 - Organization & Regulation of Body Systems	3-Sep-09	3-Sep-09 <b>Exam 1 (Chapters 1-4)</b>
4	8-Sep-09 Chapter 5 - Cardiovascular System: Heart and Blood Vessel	10-Sep-09 Chapter 6 - Cardiovascular System: Blood	10-Sep-09 <i>Lab 7 - Cardiovascular System</i>
5	15-Sep-09 Chapter 7 - Lymphatic System & Immunity	17-Sep-09 Chapter 8 - Digestive System and Nutrition	17-Sep-09 <i>Lab 8 - Chemical Aspects of Digestion</i>
6	22-Sep-09	24-Sep-09 Chapter 9 - Respiratory System	24-Sep-09 <b>Exam 2 (Chapters 5-8)</b>
7	29-Sep-09 Chapter 10 - Urinary System & Excretion	1-Oct-09	1-Oct-09 <i>Lab 11 - Homeostasis</i>
8	6-Oct-09 Chapter 11 - Skeletal system	8-Oct-09 Chapter 12 - Muscular system	8-Oct-09 <i>Lab 12 - Musculoskeletal System</i>
9	13-Oct-09 <b>Exam 3 (Chapters 9 - 12)</b>	15-Oct-09 Chapter 13 - Nervous System <b>Drop Date</b>	15-Oct-09 <i>Lab 13 - Nervous System and Senses</i>
10	20-Oct-09 Chapter 14 - Senses	22-Oct-09 Chapter 15 - Endocrine System	22-Oct-09 <i>Lab 14 - Development</i>
11	27-Oct-09 Chapter 16 - Reproductive System	29-Oct-09 Chapter 17 - Development and Aging	27-Oct-09 <i>Lab 15- Mitosis and Meiosis</i>
12	3-Nov-09 <b>Exam 4 (Chapters 13 - 17)</b>	5-Nov-09 Chapter 18 - Patterns of Chromosome Inheritance	5-Nov-09 <i>Lab 16 - Patterns of Inheritance</i>
13	10-Nov-09 Chapter 19 - Cancer	12-Nov-09 Chapter 20 - Patterns of Genetic Inheritance	12-Nov-09
14	17-Nov-09 Chapter 21 - DNA Biology and Technology	19-Nov-09	19-Nov-09 <i>Lab 17 - DNA and Biotechnology</i>
15	24-Nov-09 <b>Exam 5 (Chapters 18 - 21)</b>	<b>26-Nov-09</b> <b>Turkey Day</b>	<b>26-Nov-09</b> <b>Turkey Day</b>
16	1-Dec-09 Chapter 22 - Human Evolution	3-Dec-09 Chapter 23 - Global Ecology and Human Interferences	3-Dec-09 <i>Lab 18 - Evolution</i>
17	8-Dec-09 Chapter 24 - Human Population, Planetary Resources, & Conservation	10-Dec-09	8-Dec-09 <i>Lab 19 - Effects of Pollution on Ecosystems</i>

**Final Exam: Thursday**

**17-Dec-09**

**At 2:00 to 3:50 pm**