

# Reedley College

# Spring 2015

**Class:** Biology 5 – Human Biology 55251 (4 Units)  
Lecture - Tues & Thurs: 1:00pm – 2:15pm - in SOC 32  
Laboratory - Thurs: 10:00am – 11:50pm - 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 (thirteenth edition) by Sylvia S. Mader McGraw Hill  
**Lab Manual:** Human Biology (thirteenth 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 4:20pm, & 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.

**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."

"With this statement on my course syllabus, I am referring each of my enrolled students in need of academic support to tutorial services. Referral reason: Mastering the content, study skills, and basic skills of this course is aided by the use of trained peer tutors".

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

**Biology 5 - Human Biology 55251**  
**Lecture & Lab Schedule**

**Dr. Marquez**

**Spring 2015**

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	Tuesday Lecture	Thursday Lecture	Thursday Morning Laboratory
1	13-Jan-15 Chapter 1 - Exploring Life & Science	15-Jan-15 Chapter 2 - Chemistry of Life	15-Jan-15 <i>Lab 3 - Light Microscopy</i>
2	20-Jan-15 Chapter 3 - Cell Structure & Function	22-Jan-15 Chapter 3 - Cell Structure & Function	22-Jan-15 <i>Lab 4 - Chemical Composition of Cells</i>
3	27-Jan-15 Chapter 4 - Organization & Regulation of Body Systems	29-Jan-15 Chapter 8 - Digestive System and Nutrition	29-Jan-15 <i>Lab 5 - Cell Structure and Function</i>
4	3-Feb-15 <b>Exam 1 (Chapters 1-4)</b>	5-Feb-15 Chapter 8 - Digestive System and Nutrition	5-Feb-15 Video
5	10-Feb-15 Chapter 5 - Cardiovascular System: Heart and Blood Vessel	12-Feb-15 Chapter 6 - Cardiovascular System: Blood	12-Feb-15 <i>Lab 9 - Chemical Aspects of Digestion</i>
6	17-Feb-15 Chapter 7 - Lymphatic System & Immunity	19-Feb-15 Chapter 9 - Respiratory System	19-Feb-15 <i>Lab 8 - Cardiovascular System</i>
7	24-Feb-15 <b>Exam 2 (Chapters 5-8)</b>	26-Feb-15 Chapter 10 - Urinary System & Excretion	26-Feb-15 <i>Lab 11 - Homeostasis</i>
8	3-Mar-15 Chapter 11 - Skeletal system	5-Mar-15 Chapter 12 - Muscular system	5-Mar-15 <i>Lab 12 - Musculoskeletal System</i>
9	10-Mar-15 Chapter 13 - Nervous System	12-Mar-15 Chapter 13 - Nervous System	12-Mar-15 Lecture - Chapter 14 - Senses
10	17-Mar-15 <b>Exam 3 (Chapters 9 - 12)</b>	19-Mar-15 Chapter 15 - Endocrine System	19-Mar-15 <i>Lab 13 - Nervous System and Senses</i>
11	24-Mar-15 Chapter 16 - Reproductive System	26-Mar-15 Chapter 17 - Development and Aging	26-Mar-15 <i>Lab 14 - Development</i>
12	<b>31-Mar-15</b> <b>Spring</b>	<b>2-Apr-15</b> <b>Break</b>	<b>2-Apr-15</b> <b>Holiday</b>
13	7-Apr-15 Chapter 18 - Patterns of Chromosome Inheritance	9-Apr-15 Chapter 18 - Patterns of Chromosome Inheritance	9-Apr-15 <i>Lab 15 - Mitosis and Meiosis</i>
14	14-Apr-15 <b>Exam 4 (Chapters 13 - 17)</b>	16-Apr-15 Chapter 20 - Patterns of Genetic Inheritance	16-Apr-15 <i>Lab 16 - Patterns of Inheritance</i>
	21-Apr-15 Chapter 21 - DNA Biology and Technology	23-Apr-15 Chapter 21 - DNA Biology and Technology	23-Apr-15 <i>Lab 17 - DNA and Biotechnology</i>
15	28-Apr-15 Chapter 19 - Cancer	30-Apr-15 Chapter 19 - Cancer	30-Apr-15 Review
16	5-May-15 <b>Exam 5 (Chapters 18 - 21)</b>	7-May-15 Chapter 22 - Human Evolution	7-May-15 <i>Lab 18 - Human Evolution</i>
17	12-May-15 Chapter 23 - Global Ecology	14-May-15 Chapter 24 - Human Population, Planetary Resources, & Conservation	14-May-15 <i>Lab 19 - Effects of Pollution on Ecosystems</i>

**Final Exam: Tuesday**

**19-May-15**

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