

Reedley College

Spring 2014

Class: Biology 5 – Human Biology 52667 (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 (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 52667
Lecture & Lab Schedule

Dr. Marquez

Spring 2014

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

| Tuesday Lecture | |
|-----------------|--|
| 1 | 14-Jan-14 Chapter 1 - Exploring Life & Science |
| 2 | 21-Jan-14 Chapter 3 - Cell Structure & Function |
| 3 | 28-Jan-14 Chapter 4 - Organization & Regulation of Body Systems |
| 4 | 4-Feb-14 Exam 1 (Chapters 1-4) |
| 5 | 11-Feb-14 Chapter 5 - Cardiovascular System: Heart and Blood Vessel |
| 6 | 18-Feb-14 Chapter 7 - Lymphatic System & Immunity |
| 7 | 25-Feb-14 Exam 2 (Chapters 5-8) |
| 8 | 4-Mar-14 Chapter 11 - Skeletal system |
| 9 | 11-Mar-14 Chapter 13 - Nervous System |
| 10 | 18-Mar-14 Exam 3 (Chapters 9 - 12) |
| 11 | 25-Mar-14 Chapter 16 - Reproductive System |
| 12 | 1-Apr-14 Chapter 18 - Patterns of Chromosome Inheritance |
| 13 | 8-Apr-14 Exam 4 (Chapters 13 - 17) |
| 14 | 15-Apr-14 Spring |
| | 22-Apr-14 Chapter 21 - DNA Biology and Technology |
| 15 | 29-Apr-14 Chapter 19 - Cancer |
| 16 | 6-May-14 Exam 5 (Chapters 18 - 21) |
| 17 | 13-May-14 Chapter 23 - Global Ecology |

Final Exam: Thursday

| Thursday Lecture | |
|------------------|---|
| | 16-Jan-14 Chapter 2 - Chemistry of Life |
| | 23-Jan-14 Chapter 3 - Cell Structure & Function |
| | 30-Jan-14 Chapter 8 - Digestive System and Nutrition |
| | 6-Feb-14 Chapter 8 - Digestive System and Nutrition |
| | 13-Feb-14 Chapter 6 - Cardiovascular System: Blood |
| | 20-Feb-14 Chapter 9 - Respiratory System |
| | 27-Feb-14 Chapter 10 - Urinary System & Excretion |
| | 6-Mar-14 Chapter 12 - Muscular system |
| | 13-Mar-14 Chapter 13 - Nervous System |
| | 20-Mar-14 Chapter 15 - Endocrine System |
| | 27-Mar-14 Chapter 17 - Development and Aging |
| | 3-Apr-14 Chapter 18 - Patterns of Chromosome Inheritance |
| | 10-Apr-14 Chapter 20 - Patterns of Genetic Inheritance |
| | 17-Apr-14 Break |
| | 24-Apr-14 Chapter 21 - DNA Biology and Technology |
| | 1-May-14 Chapter 19 - Cancer |
| | 8-May-14 Chapter 22 - Human Evolution |
| | 15-May-14 Chapter 24 - Human Population, Planetary Resources, & Conservation |

22-May-14

| Thursday Afternoon Laboratory | |
|-------------------------------|---|
| | 16-Jan-14 <i>Lab 2 - Light Microscopy</i> |
| | 23-Jan-14 <i>Lab 3 - Chemical Composition of Cells</i> |
| | 30-Jan-14 <i>Lab 4 - Cell Structure and Function</i> |
| | 6-Feb-14 <i>Video</i> |
| | 13-Feb-14 <i>Lab 8 - Chemical Aspects of Digestion</i> |
| | 20-Feb-14 <i>Lab 7 - Cardiovascular System</i> |
| | 27-Feb-14 <i>Lab 10 - Homeostasis</i> |
| | 6-Mar-14 <i>Lab 11 - Musculoskeletal System</i> |
| | 13-Mar-14 Lecture - Chapter 14 - Senses |
| | 18-Mar-14 <i>Lab 12 - Nervous System and Senses</i> |
| | 25-Mar-14 <i>Lab 13 - Development</i> |
| | 3-Apr-14 <i>Lab 14 - Mitosis and Meiosis</i> |
| | 10-Apr-14 <i>Lab 15 - Patterns of Inheritance</i> |
| | 17-Apr-14 Holiday |
| | 24-Apr-14 <i>Lab 16 - DNA and Biotechnology</i> |
| | 1-May-14 Review |
| | 8-May-14 <i>Lab 17 - Human Evolution</i> |
| | 15-May-14 <i>Lab 18 - Effects of Pollution on Ecosystems</i> |

At 1:00 - 2:50pm