

# HUMAN BIOLOGY (BIOL-5- 59731) FALL 2014

**INSTRUCTOR:** Dr. Shaista Lunden

**OFFICE HOURS:** By Appointment Only

**E-MAIL:** shaista.lunden@reedleycollege.edu

**CLASS MEETINGS:** LFS C

**LECTURE & LAB T TH:** 6:00 – 8:15pm

## REQUIRED MATERIALS:

**TEXT:** Human Biology (thirteenth edition) by Sylvia S. Mader, McGraw Hill

**LAB MANUAL:** Human Biology (thirteenth edition) by Sylvia S. Mader, McGraw Hill

## COURSE DESCRIPTION:

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

**Summary:** 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.

## ATTENDANCE:

- You are expected to be on time for each laboratory and lecture session.
- Tardiness may be construed as an absence from the class. It is the students' responsibility to sign in when late and then to see the instructor after class to be sure that an absence has been changed to a tardy!
- Be aware that 3 tardies = 1 absence. This is very important because **if you miss more than 5 hours of class or lab, you will be dropped** unless your instructor has been informed of the extenuating circumstances causing your absences.  
Reasons for being dropped from the course...

## COURSE TESTS AND EVALUATIONS (approximate)

| Description  | Possible Points |
|--|-----------------|
| Exams 1-5  | <b>500</b>      |
| <b>Quizzes &amp; Group exercises</b>               | <b>120</b>      |
| <b>Lab. exercises</b>                              | <b>380</b>      |
| <b>Final Exam</b>                                  | <b>150</b>      |
| <b>Over all class performance &amp; attendance</b> | <b>100</b>      |
| <b>Approximate total points</b>                    | <b>1250</b>     |

- In *most* circumstances the curve for the class is taken from the top grade in the class as long as the top grade is 90% or more from the points possible.

(From the top grade)

A= 90-100%

B=80-90%

C=70-79%

D=60-69%

F=0-59%

- Exams will consist of multiple choice questions, labeling, True/False and short answers.
- **All exams will be closed book & and no notes.**
- Lab Exercises Grades will come from your lab work itself. These are to have the answers to laboratory questions on handouts or from your lab guide as well as any problems to work or tables to fill in. Be sure these are neatly done and in the same order as the handouts. Forgotten lab work means no score – as you are responsible for your work.

- **Policy for missed labs:** If a lab is missed you **will not be allowed to make it up.** Attending the lab is mandatory. No points will be given for lab work if you were not present during the lab meeting.
- Lecture Quizzes will consist of questions concerning the previous lectures and/or the current day's lecture. These quizzes are closed book and no notes. Quizzes missed due to **BEING tardy OR absent may NOT be made up.** Quizzes may also be given at the **end of a laboratory or lecture. Attendance pop quizzes** may also be given at any time either at the beginning, during or at the end of class. You need to be in class at your seat ready to start work when those are given.

## ACADEMIC DISHONESTY

Academic dishonesty is unacceptable and will not be tolerated by Reedley College. Cheating, plagiarism and collusion in dishonest activities erode the college's educational and social role in the community.

**Cheating** is the act of deception by which a student misleadingly demonstrates that he/she has mastered information on an academic exercise. Examples include but are not limited to:

1. Copying or allowing another to copy a test, paper, project, or performance.
2. Using unauthorized materials during a test, for example, notes, formula lists, or "cheat sheets."
3. Taking a test for someone else or permitting someone to take a test for you.

**Plagiarism** is the act of representing the work of another as one's own without giving credit. Plagiarism includes but is not limited to:

1. Incorporating the ideas or words of another's work without giving appropriate credit.
2. Representing another's artistic or scholarly works, such as musical compositions, computer programs, photographs, etc., as one's own.

**Disciplinary Procedures** are outlined in your Reedley College student catalog and are summarized as follows when a faculty member discovers a violation:

1. Conference with student to address allegations
2. Notification of division dean, report for permanent record of student.
3. May give student "F" for assignment or course.
4. If more than one infraction has occurred, the student may go on probation, be suspended, or expelled. An appeal may be made within 15 days of notification.

## HELP

If you should have difficulty grasping the material presented during the course. Be sure to see your instructor at the first sign of trouble. Often, a few minutes can clear up many problems! If you are having trouble studying, perhaps you need a few study hints or a tutor at the Tutorial Center. Please come in for help! Always keep in mind that this is a four-unit course. As a general rule, each hour of lecture requires two hours of additional study outside of the classroom each week. Each hour of lab requires one hour of study time, outside the laboratory each week. This equals eight hours of study each week in order to pass this class. Do your planning accordingly.

I hope you have a fun semester and learn HUMAN BIOLOGY along the way.

**\*\*\*NO FOOD, BEVERAGE, CELLULAR PHONES, DISRUPTIONS OR PROFANITY AT ANY TIME!!!**

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

## HUMAN BIOLOGY (BIOL-5 \_ LUNDEN - 59731) FALL 2014

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

| #  | DATE      | LECTURE AND LAB MATERIAL TO BE COVERED TUESDAY & THURSDAY |   |
|----|-----------|---|---|
| 1  | 8/12/2014 | Chapter 1: Exploring Life & Science                       | Safety                                      |
| 2  | 8/14/2014 | Chapter 2: Chemistry of Life                              | <i>LAB 3: Light Microscopy</i>              |
| 3  | 8/19/2014 | Chapter 3: Cell Structure & Function                      | Chapter 3 & QUIZ 1                          |
| 4  | 8/21/2014 | Chapter 3: Cell Structure & Function                      | <i>LAB 4: Chemical Composition of Cells</i> |
| 5  | 8/26/2014 | Chapter 4: Organization & Regulation of Body Systems      | Chapter 4 & QUIZ 2                          |
| 6  | 8/28/2014 | Chapter 8: Digestive System & Nutrition                   | <i>LAB 5: Cell Structure &amp; Function</i> |
| 7  | 9/2/2014  | <b>EXAM 1 (CHAPTERS 1 - 4 &amp; Corresponding labs)</b>   | Chapter 8: Digestive System & Nutrition     |
| 8  | 9/4/2014  | Chapter 8: Digestive System & Nutrition                   |   |
| 9  | 9/9/2014  | Chapter 5: Cardiovascular System: Heart & Blood Vessels   | Chapter 5: Cardiovascular Syst & QUIZ 3     |
| 10 | 9/11/2014 | Chapter 6: Cardiovascular System: Blood                   | <i>LAB 9: Chemical Aspects of Digestion</i> |
| 11 | 9/16/2014 | Chapter 7: The Lymphatic & Immune Systems                 | Chapter 7: The Lymphatic Syst & QUIZ 4      |
| 12 | 9/18/2014 | Chapter 9: Respiratory System                             | <i>LAB 8: Cardiovascular System</i>         |
| 13 | 9/23/2014 | <b>EXAM 2 (Chapters 5 - 8 &amp; Corresponding labs)</b>   | Chapter 10: Urinary System                  |
| 14 | 9/25/2014 | Chapter 10: Urinary System                                | <i>LAB 11: Homeostasis</i>                  |
| 15 | 9/30/2014 | Chapter 11: Skeletal System                               | Chapter 11: Skeletal System & QUIZ 5        |
| 16 | 10/2/2014 | Chapter 12: Muscular System                               | <i>LAB 12: Musculoskeletal System</i>       |
| 17 | 10/7/2014 | Chapter 13: Nervous System                                | Chapter 13: Nervous System & QUIZ 6         |
| 18 | 10/9/2014 | Chapter 13: Nervous System                                | Chapter 14: Senses                          |

| #  | DATE       | LECTURE AND LAB MATERIAL TO BE COVERED TUESDAY & THURSDAY   |  |
|----|------------|---|--|
| 19 | 10/14/2014 | <b>EXAM 3 (Chapters 9 - 12 &amp; Corresponding labs)</b>  | Chapter 15: Endocrine System                     |
| 20 | 10/16/2014 | Chapter 16: Reproductive System   | <i>LAB 13: Nervous System and Senses</i>         |
| 21 | 10/21/2014 | Chapter 16: Reproductive System   | Chapter 16: Reproductive Syst & <b>QUIZ 7</b>    |
| 22 | 10/23/2014 | Chapter 17: Human Development & Aging   | <i>LAB 14 : Reproductive &amp; Development</i>   |
| 23 | 10/28/2014 | Chapter 18: Patterns of Chromosome Inheritance  | Chapter 18 continuation & <b>QUIZ 8</b>          |
| 24 | 10/30/2014 | Chapter 18: Patterns of Chromosome Inheritance  | <i>LAB 15: Mitosis and Meiosis</i>               |
| 25 | 11/4/2014  | <b>EXAM 4 (Chapters 13 - 17 &amp; Corresponding labs)</b>   | Lecture: Patterns of Chromosome Inheritance      |
| 26 | 11/6/2014  | Chapter 20: Patterns of Genetic Inheritance   | <i>LAB 16 : Patterns of Genetic Inheritance</i>  |
| 27 | 11/11/2014 | VETERANS DAY NO CLASS   |  |
| 28 | 11/13/2014 | Chapter 21: DNA Biology & Technology  | <i>LAB 17: DNA Biology &amp; Technology</i>      |
| 29 | 11/18/2014 | Chapter 21: DNA Biology & Technology  | Chapter 19: Cancer & <b>QUIZ 9</b>               |
| 30 | 11/20/2014 | Chapter 22: Human Evolution   | <b>QUIZ 11 &amp; LAB 18 : Human Evolution</b>    |
| 31 | 11/25/2014 | <b>EXAM 5 (Chapters 18 - 21 &amp; Corresponding labs)</b>   | Lecture: Human Evolution                         |
| 32 | 11/27/2014 | THANKSGIVING NO CLASS   |  |
| 33 | 12/1/2014  | Chapter 22: Human Evolution   | Chapter 23: Global Ecology & <b>QUIZ 10</b>      |
| 34 | 12/3/2014  | Chapter 23: Global Ecology & Human Interferences  | <i>LAB19 : Effects of Pollution on Ecosystem</i> |
| 35 | 12/8/2014  | Chapter 24: Human Population, Planetary Resources, & Conservation                                     | REVIEW   |
| 36 | 12/10/2014 | <b>FINAL [70% COMPREHENSIVE from exams 1-5 AND 30% from Chapters 22 -24 &amp; Corresponding labs]</b> |  |