

## HUMAN BIOLOGY - Biology 5

Bryon P. Spicci  
T-Th: 6:00 – 8:15 pm

Reedley College – fall 2007  
Email: [bryon.spicci@reedleycollege.edu](mailto:bryon.spicci@reedleycollege.edu)

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 Math 101.

### Required Materials:

**Textbook:** Human Biology by Sylvia S. Mader, 10<sup>th</sup> Edition

**Lab Manual:** Human Biology by Sylvia S. Mader, 10<sup>th</sup> Edition

**Scantron Forms:** **815-E** for the lecture quizzes, **886-E** for the lecture exams, **882-E** for the lab exams and (1) **884** for the comprehensive lecture final examination.

**Biology paper for lab plates**

**One 2H and 4H pencils for lab plate drawings, ruler and colored pencils.**

**One calculator for calculations, need not be a scientific calculator.**

### 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. Your grade will also be adversely affected by leaving class early without permission.

**Tardiness:** Three tardys equal one class absence.

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

***Final Grade: Determined on the basis of points accrued throughout the course.***

**Please note that these point totals are tentative and approximate. Actual point totals and assignments may vary by the end of the semester. If so the grading scheme will be modified with notice.**

|   |                   |
|---|-------------------|
| Lecture Exams (100 points each x 4)       | 400 points        |
| Final Exam (200 points, comprehensive)    | 200 points        |
| Quizzes (12 x 10 points each, drop 2)     | 100 points        |
| Participation (50 points, lecture & lab.) | 50 points         |
| Homework (ARIS Assignments)               | 200 points        |
| Lab Reports (10 points each x 15)         | 150 points        |
| Lab Plates (10 points each x 15)          | 150 points        |
| <u>Laboratory Exams (150 points x 2)</u>  | <u>300 points</u> |
| Approximate Point Totals                  | 1550 points       |

**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. applies the principles of genetics to humans and understands 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, turn off cell phones

**Lab assignments turned in late will receive no credit or one – half credit unless you have a serious and compelling reason for doing so. Only the instructor gets to determine what is serious and compelling.**

"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."

This course utilizes the Reedley College Blackboard site and also the McGraw Hill Assessment, Review and Instruction System (ARIS). Your ID and password for Blackboard is your 7 digit student ID number. You may change your password at anytime in Blackboard. To register for the ARIS site click on the ARIS button in Blackboard and follow the directions given. The ARIS site is a very important part of your homework grade for this course. There will be chapter assignments posted at ARIS for you to complete.

**Lecture Exams** will include multiple choice questions and usually 1-2 short essay questions. Many times these essays will be the main objectives of each chapter. You are allowed to miss only one exam due to an extremely serious and compelling reason (**Only the instructor gets to determine what is serious and compelling.**) in which I will double your score on the next exam to replace the zero from the one you missed. Otherwise you will receive a zero for each missed exam as I do not give make up exams. Lecture exams will be comprehensive. This will keep you current throughout the semester and will better prepare you for your next biology class. Remember, this is a prerequisite for all other advance classes and thus one of the major goals is to have you adequately prepared.

**Quizzes** will consist of questions concerning the previous labs/lectures and/or the current day's lab/lecture. Stay caught up and these will be welcome bonus points! NO handouts or books or any electronic devices will be allowed. Quizzes missed due to tardys may NOT be made up. There will be NO make-up quizzes. **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 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.

### **Tentative Class Schedule**

| <b>Week</b> | <b>Dates</b>     | <b>Lecture</b>                                   | <b>Lab</b>                                   |
|-------------|------------------|--|--|
| <b>1</b>    | <b>08/13, 15</b> | Chapters 1, 2, 3                                 | Lab 3: Chemical Composition of Cells         |
| <b>2</b>    | <b>08/20, 22</b> | Chapters 4, 5, 6                                 | Lab 4: Cell Structure and Function           |
| <b>3</b>    | <b>08/27, 29</b> | <b>Exam 1 (Chapters 1-6)</b><br>Chapters 7 and 8 | Lab 7: Cardiovascular System                 |
| <b>4</b>    | <b>09/03, 05</b> | <b>No Class</b>                                  | Lab 8: Features of the Cardiovascular System |
| <b>5</b>    | <b>09/10, 12</b> | Chapters 9 and 10                                | Lab 9: Chemical Aspects of Digestion         |
| <b>6</b>    | <b>09/17, 19</b> | <b>Exam 2 (Chapters 7-10)</b><br>Chapter 11      | Lab 13: Musculoskeletal System               |
| <b>7</b>    | <b>09/24, 26</b> | Chapters 12 and 13                               | Lab 14: Nervous System and Senses            |

|             |              |  |   |
|-------------|--------------|--|---|
| 8           | 10/01, 03    | Chapters 14 and 15                           | <b>Lab Exam 1 (150 Points)</b>            |
| 9           | 10/08, 10    | <b>Exam 3 (Chapters 11-15)</b><br>Chapter 16 | Lab 15: Human Development                 |
| 10          | 10/15, 17    | Chapters 17 and 18                           | Lab 16: Mitosis and Meiosis               |
| 11          | 10/22, 24    | Chapters 19 and 20                           | Lab 17: Patterns of Inheritance           |
| <b>Week</b> | <b>Dates</b> | <b>Lecture</b>                               | <b>Lab</b>                                |
| 12          | 10/29, 31    | Chapter 21                                   | Lab 18: DNA and Biotechnology             |
| 13          | 11/05, 07    | <b>Exam 4 (Chapters 16-21)</b>               | Lab 19: Genetic Counseling                |
| 14          | 11/12, 14    | Chapters 22 and 23                           | Lab 20: Infectious Disease and Immunology |
| 15          | 11/19, 21    | Chapters 24 and 25                           | Lab 21: Human Evolution                   |
| 16          | 11/26, 28    | Chapter 26                                   | Lab 22: Effects of Pollution on Ecosystem |
| 17          | 12/03, 05    | Chapter 27                                   | <b>Lab Exam 2 (150 points)</b>            |
| 18          | 12/10        | Final Exam (Comprehensive)                   | No Lab Meeting                            |

### Important Dates

September 3 (M) Labor Day observed

September 14 (F) Last day to change a class to or from a CR/NC grading basis

October 12 (F) Midterm report period, Nine-week drop date for full-term length course

November 12 (F) Veterans Day observed

Nov. 22-23 (Th-F) Thanksgiving Holiday

November 26 (M) Classes reconvene

December 10-14 (M-F) Final exams

December 14 (F) fall semester ends

### Other Important Information

#### WEBADVISOR for Students

The website is: <http://webadvisor.scccd.edu/>

The standard webadvisor login is:

Username: lastname\_id\_number (example: smith\_0123456)

Password: six digit birth date (example: January 10th, 1970 = 011070)

Be careful! Webadvisor will probably make you change your password when you first use it.

Write it down - make it simple.

Try using your initials and then your birthday.

The helpdesk hours are 8-5 Monday thru Friday.

The email address is [helpdesk@scccd.edu](mailto:helpdesk@scccd.edu) -- try to use this first

The phone number is 244-5960 -- try to use this for emergencies only.

## BLACKBOARD

The website is:

<http://blackboard.scccd.edu/>

The standard blackboard login is:

Username: id\_number (example: 0123456)

Password: id\_number (same number again)

The helpdesk hours are 8-5 Monday thru Friday.

The email address is [bbhelp@fresnocitycollege.edu](mailto:bbhelp@fresnocitycollege.edu) -- try to use this first

The phone number is 265-5760 -- try to use this for emergencies only.