**Human Biology Biology 5**

**Course # 79742 Summer 2012**

**Syllabus**

Instructor: Jean Unruh (Reedley College; email: [jean.unruh@reedleycollege.edu](mailto:jean.unruh@reedleycollege.edu), [junruh@cvip.net](mailto:junruh@cvip.net)).

Course Description: Biology 5, Human Biology, is a 4 unit class for allied health majors and fulfills prerequisites for Biology 20, 22, 24, and 31.

Textbook & Lab Manual:  
Mader, Sylvia S. and Michael Windelspecht, *Human Biology*, 12th edition. 2012.  
Mader, Sylvia S., *Human Biology Lab Manual*, 12th edition, 2012.

Additional Materials:  
Biology drawing paper; one pencil with hard lead (3 or 4), approximately 11 drawings.  
Scantron #886-E for lecture tests (x4) and Scantron #882 for final (x1)  
Quizzstrips #815 for quizzes (x 11)

3-Ring binder or folder for notes, hand-outs, and drawings.  
Colored pencils (optional for drawings)

Advisories: H.S. Biology or H.S. Chemistry; eligibility for Engl. 125, 126, and Math 101.

Course Objectives:  
1. To become familiar with the human body's structure and function.

2. Become aware of the process of science, scientific method, and interactions between science and society.

3. Study the chemical basis of life and relate to cell structure and function.

4. Study the structure and function of human organ systems through the use of experiments, lab specimens, microscope slides, diagrams, and models.

5. To study human evolution and ecology and discuss environmental concerns.

Grading:

Exams (100-150 points each x 4) 450 points 45 % A = 90 – 100

Lecture Final Exam (comprehensive) 150 points 15 % B = 80 – 89

Quizzes (11 x 10 points each, drop 1) 100 points 10 % C = 70 – 79

D = 55 – 69

Lab Report Questions (5 points each x 16) 80 points 8 % F = less than 55

Lab Manual (35 points x 2) 70 points 7 %

Lab Drawings (10 plates x 5) 50 points 5 %

Other Activities 75 points 7.5 %

Participation (25 points, daily) 25 points 2.5 %

Approximate Total Points ­1000 points 100 %

Exams include multiple choice questions and 3-4 short answer questions and questions from lab material.

**Lab report questions will be due the next day. Lab drawings and additional activities turned in late will receive partial credit.**

Sometimes a student's grade will fall on the borderline, for example, 89.5%. I reserve the right to place that grade above the line if I feel it is warranted. The criteria used to make this judgement are a steady increase in scores, performance and participation in lab, and attendance in lecture and lab.

Exams can only be made up under extreme circumstances. Contact me to see if it will be possible to give you a make-up test. Arrangements must be made before the test is given.

Quizzes will consist of questions from the previous lectures and labs or the current day's lecture/lab. Sometimes quizzes will be open notes; quizzes announced ahead of time will test for specific information, such as parts of the heart or muscle and bone identification, then notes are not allowed. Your notes only, no sharing. No make-ups; if you are absent for any reason when the quiz is handed out you will not get to take it. Quizzes cannot be made-up.

Grades will be uploaded to the internet periodically via web grade. I will need a current email address to notify you of postings. Web grade: <http://sc.webgrade.classmanager.com/ReedleyCollege/>. You will need your school ID number and a password number to log on.

Blackboard can be accessed by going to <http://www.reedleycollege.edu> and clicking on the Blackboard logo. This will allow you to retrieve announcements and documents that I put on the web site. I will not put grades on blackboard.

Plagiarism and Cheating: Academic dishonesty is a cause for discipline under Board Policy 5410(c) and procedures for formal discipline are spelled out in AR 5410 and also in Student Conduct Standards and Grievance Procedures Handbook available in the Dean of Students Office. Besides all that, I want to know what you have learned not what somebody else has learned.

Absences and Tardiness:  
You are expected to attend all class sessions. One day of absences will put you in jeopardy and you will be considered for being dropped from the class; 2 days of absences and you will be dropped from the class. There are no excused absences. If you are seriously ill or have a major emergency, send a note to my email (jean.unruh@reedleycollege.edu) or call my cell phone (590-8534) and leave a text message – don't forget to leave me your name. Tardiness or leaving class is a partial absence and two times being tardy will be treated as an absence. Failure to progress (poor grades or not turning in assignments) is also grounds for dismissal from the class.  
  
If you have a documented disability or other concerns, please let me know. Appropriate accommodations will be provided for you.

Children In Class: In order to promote a positive learning environment, please make arrangements for your child's care while class is in session. Do not bring children to class.

Cell Phones: Turn your cell phones off and put them away. Cell phones that are used or go off in class will be confiscated until the end of the class hour. No ipods are allowed in class.

No food, open beverages are allowed in the class at anytime. No profanities are allowed in class.

Dress code: In order to participate in lab activities, wearing shoes with closed toes is required. Also dress appropriately for working in a lab environment.

Drops: You have until the beginning of the 2nd week to drop the class. If you elect to do so, drop yourself. Do not assume you have automatically been dropped. After the 2nd week you must be assigned a grade by state law, whether you attend class or not.

Holidays: July 4 (Wednesday) – Fourth of July Holiday. No classes held; campus is closed.

Last day to drop a class to avoid a "W" is \_\_\_\_\_\_\_\_ , June \_\_\_, 2011.

Last day to drop the class with a "W" is \_\_\_\_\_\_\_\_\_ , July \_\_\_, 2011.

Final Lecture and Lab Exam: Thursday, July 26, 12:30 p.m.

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| Reedley College – Biology 5 –#79742  Summer Session Schedule – Mader-*Human Biology, 12e* | | | |
| Class meets MTWTh 12:30 p.m. to 3:55 p.m.. | | | |
| Monday | Tuesday | Wednesday | Thursday | |
| June 18 | June 19 | June 20 | June 21 | |
| Introduction | (2) Chemistry of Life | (3) Cell Structure | (4) Organization and | |
| Textbook Tour  (1) Exploring Life | (continued) | And Function | Regulation of Body Systems | |
| (2) Chemistry of Life | Chemistry Worksheet | Plate #2 - Animal Cell | Organ Systems | |
| Lab 2: | Lab 2: (continued) | Lab 3: | Lab 4: | |
| Metric Measurement and Light Microscopy | Plate #1 - Letter E and Cheek Cell | Chemical Composition of Cells | Cell Structure and Function | |
|  |  |  |  | |
| June 25 | June 26 | June 27 | June 28 | |
| (5) Cardiovascular System: Heart and Blood Vessels | Exam I:  Ch. 1,2,3,4 and  Labs 2,3,4 | (6) Cardiovascular System: Blood  Three Day Food Diary | (7) Lymphatic System and Immunity  Plate #6 - Types of Blood Cells | |
| Lab 5: | Lab 5: (continued) | Lab 7: | Lab 6: | |
| Human Body Tissues |  | Cardiovascular System | Organization of the | |
| Plate #3 - Epithelial Tissues | Plate #4 - Connective Tissues | Plate #5 - Internal Heart Structure | Body  Virtual Pig Dissection | |
|  |  |  |  | |
| July 2 | July 3 | July 4 | July 5 | |
| (8) Digestive System and Nutrition | (9) Respiratory System | Holiday (No Class) | Exam 2: Ch. 5,6,7,8 and Labs 5,6,7,8 | |
| Plate #7 - Tissues of the  Small Intestine | Spirogram Worksheet |  |  | |
| Lab 8: | Lab 9: |  | (10) Urinary System and Excretion | |
| Chemical Aspects of Digestion | Energy Requirements and Ideal Weight |  | Plate #8 - Nephron | |
|  |  |  |  | |
| July 9 | July 10 | July 11 | July 12 | |
| (11) Skeletal System  (12) Muscular System | Lab 11:  Musculoskeletal System | Exam 3:  Ch. 9,10,11,12 and Labs 10,11 | (14) Senses  (15) Endocrine System | |
| Lab10: | (13) Nervous System | Lab 12: | Lab 12 (continued): | |
| Homeostasis | Review | Nervous System | Senses | |
|  |  | Plate #9 - Lobes of Brain |  | |