

COURSE OUTLINE SPRING 2008

BIO 106

Course Number

Human Anatomy

Course Title

Science and Professional Health

Division

<u>4</u>	<u>3</u>	<u>2</u>
Credits	Class Hours/Week	Lab Hours/Week

Required Text: Hole's Essentials of Human Anatomy & Physiology, 10th edition
Shier, Butler, and Lewis
McGraw Hill Publishers, 2008

Required Lab Manual: Hole's Essentials Laboratory Manual, 10th Edition
Terry Martin
McGraw Hill Publishers, 2008

Study Guide: Anatomy and Physiology Coloring Workbook
(optional) Elaine Marieb
Benjamin/Cummings Publishers Inc., NY

The Anatomy Coloring Book
Kapit and Elson
Harper Collins Publishers, NY

Instructor: **Renee Nerish**
Office: MS120
email: reneenerish@yahoo.com
phone: extension 3373

Catalogue Description:

Introduction to the human body with emphasis on terminology, body organization from the cellular level to body systems. Topics include histology and integumentary, skeletal, muscular, digestive, respiratory, urinary, reproductive, nervous, and circulatory systems. This course is designed for students in programs with an explicit human anatomy requirement and may not be used to satisfy elective requirements in the biology or chemistry programs.

Prerequisites: ENG034, MAT034, or permission of instructor

Course Objectives:

1. To promote an appreciation and better understanding of the human body as a subject for independent study and continued intellectual growth.
2. To provide a coordinated presentation of anatomy at the cellular, histological, and gross levels
3. To promote knowledge of the various organ systems of the body
4. To develop vocabulary in anatomy so that the student has a working knowledge of terms
5. The laboratory portion of the course enables the student to gain an understanding of anatomy from hands on experience. The laboratory includes computer lab exercises.

Attendance and Grading:

1. Attendance at lectures is expected. To be successful in this course you should plan to attend all lectures and laboratory sessions. If you miss a lecture or lab for any reason, it is your responsibility to obtain the missed information from a classmate including course material covered, any announcements made, and any handouts that may have been distributed.
2. You **MUST** be officially enrolled in the class to be admitted into the laboratory. **NO EXCEPTIONS** will be made.
3. If you decide to stop attending this course, it is your responsibility to officially withdraw from the class. Failure to do so may result in an F on your transcript. Three (3) unexcused lab absences **WILL** result in an automatic F for the course no matter how high the lecture grade.
4. **THERE ARE NO MAKE-UP EXAMS OR QUIZZES.** Your lowest quiz grade(s) will be dropped. Missed lecture exams will be counted as a zero grade. All lecture exams will be given in class.
5. **LATE HOMEWORK/ASSIGNMENTS WILL LOSE POINTS FOR EACH DAY PAST DUE.**
6. Grading: The course grade is based on grades from exams, quizzes, homework, and lab practicals.

<u>Letter Grade</u>	<u>Percent</u>
A	93-100
A-	90-92
B+	87-89
B	83-86
B-	80-82
C+	77-79
C	70-76
D	60-69
F	0-59

Example:	Grade
Exam 1	86
Exam 2	91
Exam 3	71
Exam 4	84
LP1	64
LP2	75
LP3	89
Homework/Quizzes	<u>90</u> (average)
Average	81.25

You must take EVERY exam and LAB PRACTICAL in order to complete the course.

6. Examination questions may be objective (multiple choice, true-false, matching, fill-in-the-blank) and/or short answer/essay.
7. Extra credit is not an effective learning tool and therefore is not part of this course. You should (1) focus your efforts on studying your lecture notes and (2) always stay in lab the entire 2 hours to go over lab material **repeatedly**. This approach is most likely to bring about your success in Anatomy & Physiology!

Classroom conduct:

Students are expected to follow ordinary rules of courtesy during class. Engaging in side conversations during class time is distracting to other students. The instructor has the right to eject a disruptive student from the class at any time. Cell phones are to be turned **OFF** during lecture and lab times.

Academic Integrity:

Cheating of any kind is not tolerated. This includes copying papers or presenting another person's work as one's own in any way, looking at another student's paper during a test, quiz, or lab practicum, looking at notes during an exam, quiz or lab practicum, obtaining information about an exam, quiz, lab practicum or any other information that other students do not have and the instructor does not intend them to have, talking during an exam, quiz or lab practicum. Write your own papers using your own words. All academic integrity violations are reported to the Academic Integrity committee. For additional information: Refer to the MCCC Student Handbook.

BIO 106**HUMAN ANATOMY COURSE SCHEDULE**

The instructor reserves the right to change the course schedule, exam schedule and grading system at anytime

WEEK	UNIT	LECTURE	CHAPTER	LAB
1	1	Introduction, terminology, body organization, homeostasis, regions, planes, cavities, linings, organ systems	1	Ex. 2 (terms, organization)
2		Histology Integumentary System	5 6	Ex. 11 (Integumentary)
3		Cardiovascular System	13	Ex. 36 (Heart)
4		Cardiovascular System <u>EXAM 1</u>	12	Ex. 38 (Vessels) Computer lab
5	2	Nervous System	9	<i>LAB PRACTICAL 1</i>
6		Digestive System	15	Ex. 24, 26, 27, 28 (Nervous)
7		Urinary System <u>EXAM 2</u>	17	Ex. 42 (Digestive)
8	3	Reproductive System	19	Ex. 46 (Urinary) Ex. 48, 49 (Reproductive)
9		Respiratory System	16	<i>LAB PRACTICAL 2</i>
10		Skeletal System	7	Ex. 12 – 14 (Bone tissue, Skeleton); Computer Lab
11		Skeletal System Articulations <u>EXAM 3</u>	7	Ex. 15 - 17 (Skeleton) Ex. 18 (Joints)

12	4	Muscular System	8	Ex. 19, 20, 21 (Muscles)
13		Muscular System	8	Ex. 22, 23 (Muscles) Computer Lab
14		Endocrine System	11	<i>LAB PRACTICAL 3</i>
15		<u>EXAM 4 (FINAL EXAM)</u>		

*****NO EATING OR DRINKING in the laboratory*****

Laboratory Safety Instructions

Your laboratory instructor will call your attention to safety procedures to be followed in the Anatomy and Physiology laboratory. Be sure to become familiar with the location and use of the following safety equipment:

- Eyewash
- Fire blanket
- Fire Extinguishers
- Running water
- Soap
- Disinfectant for equipment and lab bench
- Sharps container and glass waste container
- Regular trash container
- Biohazard waste container
- Preserved specimen parts container
- Emergency electric power shut off

The following are procedures for preserved specimens:

1. Be certain to wear latex, plastic, or rubber gloves.
2. Place specimen in dissecting tray
3. Use the Amphyll or Lysol (pink disinfectant) solution on the work table.
4. Be careful not to cut yourself or your partner with dissecting instruments.
4. In the event of a cut or injury of any kind, notify your lab instructor immediately.
5. Wash your hands with soap and water prior to leaving the lab.
6. Do not put paper towels, specimen parts, or any other solid material in the sink.

Before leaving the laboratory, make certain that your chair pushed under the lab table and the lab bench is clean.