

HUMAN ANATOMY

Biology 4

Spring 2007



Woodcut by Vesalius

Instructor: Dr. Robin McFarland

Office: Room 621 unless otherwise noted

Office Hours:

Mon. 8:30-9:30 a.m.; 2:00-2:30

Tues. 8:30-9:30 a.m. Watsonville Rm 4521

Weds. 8:30-9:30 a.m. ; 2:00-2:30

Thurs. 9-9:30a.m.; 11:00-11:30 a.m.

Watsonville Rm 4521

2:00-2:30 p.m. Rm 621

Phone: 479-6445

Email: romcfarl@cabrillo.edu

Text:

Required: Human Anatomy 2nd ed. by Saladin

The text is available in the bookstore

Recommended:

The Human Evolution Coloring Book 2nd ed. by Adrienne Zihlman. 2000

The Anatomy Coloring Book by Wynn Capit

Grading:

The final grade will be based on performance in lecture and lab. Lecture will be worth 70 percent of the course grade and laboratory will be worth 30 percent. Lecture scores will consist of 4 exams, worth 100 points each. In addition, there may be one or two quizzes. Laboratory scores are based on three Practical exams worth 100 points each, one quiz worth 20 points, and one homework assignment worth 10 points. Final grades will be based on a modified curve. The top number of points achieved for the class will become 100% and all other grades will be based on the top score.

- 90-100% =A
- 80-89% =B
- 70-79% =C
- 55-69% =D
- Below 55% =F

Exams:

Exams will consist of multiple choice questions as well as short answer and essays that require you to construct sentences and paragraphs. You must complete all exams for a passing grade.

Cheating on an exam will result in an “F” for that exam. Cheating may be the basis for expulsion from the class.

NOTE: If you miss an exam due to accident or illness, you **MUST** call or email to schedule a make-up **by the day after the exam.**

Attendance & Etiquette:

Attendance is critical for your success. Exams are based on information presented in lecture.

Be On Time!! It is rude to your fellow students and to the instructor when you are late. Late attendance will be noted, and may result in a reduction of points.

This is a large class. Please do not talk during lecture (unless you have a question), do not walk in front of the class, turn off your cell phone, **do** be considerate of others.

Disabilities

Accommodations are provided for students with verified disabilities. If you have a disability that requires accommodations for this class, please contact the Learning Skills Program at 479-6220 (for students with learning disabilities and Attention Deficit Disorder) or Disabled Student Services at 479-6379, to make arrangements as soon as possible. Please tell me as soon as possible so that we may make appropriate arrangements for you.

Biology 4A: Human Anatomy Coordinated Studies

You may earn one unit of credit if you enroll in Biol 4A. The course requires an average of 3 documented hours of extra study work per week. Sign-in sheets are available in room 623 (the anatomy lab). There are no exams; it is graded on a credit/no credit basis. Transfer credit is given at CSU.

What You Will Get Out of this Class: The Big Picture

At the end of the semester, you should be able to do the following:

- Explain the structure and function of major anatomical systems (e.g. circulatory, nervous, digestive, etc.) from the cellular level to the organismal level.
- Analyze how structures and systems vary among individuals due to pathology, age, sex, and lifestyle.
- Evaluate how human anatomy has changed through geological time and analyze human form and function relative to other living creatures.
- Identify specific anatomical structures through participation in dissections in lab.

Resources for Biology 4

- **Instructor Office Hours**

Office hours are listed on page 1 of the syllabus. I would like you to make a point to meet with me within the first three weeks of class to introduce yourself and discuss any concerns or ideas you have. Please sign in when you come to office hours so I will have a record of your visit. If you come before Exam 1, you will receive 5 points.

- **Tutorials**

Tutors are available at the Tutorial Center in Room 1080A. The phone # is 479-6470. The cost is FREE! You must have a form signed by your instructor. Sign up early.

- **Textbooks**

Textbooks are on 2 hour reserve at the library. Also, I have some extra copies of comparable college texts that I am willing to loan out. Please do not try to complete the course without access to a book.

- **Friday Open Lab**

An anatomy tutor is available for review of lab materials on Friday afternoons in Room 623.

- **WebCT**

Web CT is an online course management tool that enables you to access announcements and grades. Log in at:
<http://www.cabrillo.edu/services/tlc/webct>

LECTURE SCHEDULE

DATE	LECTURE TOPIC	READING Saladin
Feb. 5	Introduction: Anatomy in Perspective	
Feb. 7	Biological Levels: DNA & The Cell	Ch. 1, Atlas A
Feb. 12	The Cell, cont.	Ch. 2
Feb. 14♥	Tissues	Ch. 3
Feb. 19	Holiday	
Feb. 21	Tissues, cont.	Ch. 3
Feb. 26	The Skin	Ch. 5
Feb. 28	Skeletal System	Ch. 6
March 5	EXAM 1	
March 7	Skel. System, cont.; Articulations	Chs. 6, 9
March 12	Articulations, cont.	Ch. 9
March 14	Muscular System	Ch. 10
March 19	Intro. to Nervous System	Ch. 13
March 21	Intro. To the Nervous System cont.	Ch. 13
March 26	EXAM 2	
March 28	♫ Spring Break➔	
April 2-7	Spinal Cord & Spinal Nerves	Ch. 14
April 9	Brain	Ch. 15
April 11	Cranial Nerves	Ch. 15
April 16	Autonomic Nervous Syst	Ch. 16
April 23	The Senses	Ch. 17
April 25	Endocrine System	Ch. 18
April 30	Cardiovascular System: Blood	Ch. 19
May 2	EXAM 3	
May 7	Cardiovascular System: Heart	Ch. 20
May 9	Cardiovascular System: Blood Vessels	Ch. 21
May 14	Respiratory System	Ch. 23
May 16	Digestive System	Ch. 24
May 21	Female Reproduction; Male Reproduction	Ch. 26
May 23	Closing Comments	
May 28	Memorial Day Holiday	
June 1, Friday	FINAL EXAM 10:00-12:50	