

AP150 - INTEGRATIVE ANATOMY AND PHYSIOLOGY – SPRING 2015 –

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Catalog description: An intense one-semester study of the general structure and function of the human body with an emphasis on integrative functions of the organ systems. Includes organ, tissue and cellular interrelationships, cellular communication, blood movement and hemostasis, fluid balance, respiration and digestion, and reproduction. Intended for students entering a health profession that accepts a one-semester course. One completion allowed. Lecture/Laboratory. (A-F or CR/NC) Transfer: CSU, UC General Education (MJC-GE: A) (CSU-GE: B2) 5 Units

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Office Hours:

Monday	Tuesday	Wednesday	Thursday	Friday
11:45 AM-1:00 PM	11:45 AM-1:00 PM	11:45 AM-1:00 PM	11:45 AM-1:00 PM	None

Textbooks / Materials Required:

Ward, D. G. Atlas of Anatomy for Allied Health, 3rd ed, bluedoor, 2014. (Available from MJC Pirates Bookstore) ISBN: 9781599847184.

<http://bluedoorshop.mycafecommerce.com/product/atlas-of-anatomy>

Ward, D. G. Integrative Anatomy and Physiology with Laboratory Exercises, 2012. (Available online only)

[Download Teaching Materials \(PDF\)](#) http://www.dgward.com/pdf/ap150/pdf_download.htm

Course Learning Outcomes: Students successfully completing AP 150 will be able to:

1. Describe and assess how bones, muscles and nerves work together to produce movement.
2. Describe and assess how nerves, hormones, and cardiorespiratory, digestive and urinary organs work together to control blood oxygen, blood nutrients and fluid-electrolyte balance.

Grading: Grades are assigned based on points earned from laboratory practical exams, Scantron® exams, laboratory drawings and labeling, and a final exam, as follows:

1. 1 quiz: laboratory practicum (35 questions; format: fill-in, 35 points); Scantron® #882 (35 questions; format: matching, 35 points); short-essay (1 of 2 questions, 10 points); = 80 points.
2. 6 exams: each laboratory practicum (50 questions; format: fill-in, 50 points); Scantron® #882 (90 questions; format: matching, 90 points); short-essays (2 of 3 questions, 30 points); 170 points x 6 = 1020 points.
3. Drawings or diagrams of anatomical structures from the laboratory exercises **labeled by hand** (pre-labeled material is not acceptable). DUE at beginning of day of quiz and each exam. 10 points each full lab day x 21 days = 210 points.
4. Comprehensive final exam: Scantron® #884 final (format: matching; 15 questions from quiz, 35 questions each from exams 1-5) = 190 points.
5. No make-up work will be allowed unless extraordinary circumstances are involved. Laboratory practicums cannot be made up.
6. Grade distribution
A: 90 - 100% 1350 - 1500
B: 80 - 89% 1200 - 1335
C: 70 - 79% 1050 - 1185
D: 60 - 69% 900 - 1035
F: 00 - 59% 000 - 885

The Academic Senate has created an academic integrity policy for students at MJC. This policy is part of the Student Code of Conduct.

"The grading of a student's work rests on the fundamental idea that an instructor is evaluating a student's own work, so cheating or plagiarism demonstrates a failure to complete this most basic requirement of any course. Thus a faculty member may administer academic consequences for violating the Academic Integrity Policy ranging from partial to no credit on an exam or assignment.

Attendance: It is the responsibility of the student to drop a course that she / he are no longer attending. However, the instructor may drop a student after two consecutive days of non-attendance unless arrangements are made in advance. Avoid absences and leaving early.

Cell phones: Please turn off and do not use cell phones during class. Use of a cell phone for any reason during an exam will result in zero (0) points for that exam (SME Policy).

Eating and drinking are not permitted in the classrooms especially in the lab rooms.

Suggestions for success:

1. Get and use the:
 - a. *Integrative Anatomy and Physiology with Laboratory Exercises*
 - b. *Atlas of Anatomy for Allied Health.*
2. Draw pictures of the anatomical structures from the laboratory exercises and **label them by hand** (14% of your grade).
3. Draw diagrams and/or flow charts of physiological processes.
4. Study a small amount of material at a time.
 - a. Identify and name structures thoroughly before moving on to something new.
 - b. Be able to explain a physiological process before moving on to something new.
5. Establish study groups in and out of the lab.
6. Take advantage of the laboratory time.