



Anatomy & Physiology I Day Lab Syllabus Spring 2012

BIOLOGY 2113 LAB FACULTY

Sec	Day & time	Instructor	Office	Phone	Office Hours
50	W, 8:00am-10:40pm	Joan McKearnan	S108	1232	M-Th 11am-noon, T 2pm.
51	M, 9:00am-11:40pm	Julie Readinger	S101	TBA	TBA
53	M, 1:00pm-3:40pm				
52	Tu, 10:00am-12:40pm	Shawn Magner	S103	1252	MWF 9-10 , M 2-3, Th 10-11
54	Tu, 2:00pm-4:40pm				

e-mail: firstname.lastname@anokaramsey.edu phones begin with 763-433-x

Website: <http://webs.anokaramsey.edu/biology/A&P>

BIOLOGY 2113 DAY LAB SYLLABUS

Spring 2012

Required material:

- Saladin, K. S. 2012. *Anatomy & Physiology: the unity of form and function, 6th ed.* McGraw-Hill, Boston.
- Eder, D.J., S.L. Kaminsky, and J.W. Bertram. 2009. *Laboratory Atlas of Anatomy and Physiology, 6th ed.* McGraw-Hill, Boston
- Stabler, T. and P. Zao. 2008. *Physio-Ex 9.0: Laboratory Simulations in Physiology.* Benjamin Cummings, San Francisco.
- Anoka Ramsey Community College Biology Faculty. 2011. *Human Anatomy and Physiology I : Biology 2113 Lab Manual*

Optional material

- DK Publishing. 1991. *Visual Dictionary of the Human Body.* DK Publishing, London
- Kapit, W., and L. M. Elson. 2002. *Anatomy Coloring Book.* Benjamin Cummings, San Francisco.
- Krieger, P. A. 2009. *A Visual Analogy Guide to Human Anatomy and Physiology.* Morton Publishing Co., Englewood, CO

Grading:

Before each lab unit, a 5-pt. online **prelab quiz** will be administered via Desire To Learn (D2L). The student is expected to review the material in the unit and take the quiz before lab. You will not be allowed to take the quiz after lab. Notes can be used for the quiz, but it is timed, so you will not have time to look up every question. You are not allowed to reveal questions or answers to classmates or else you will get no credit for the entire unit. You will be allowed to drop one prelab quiz.

Lab exams are given as lab practicals with questions at several stations. Students roam around to each station and answer the questions presented there. Rules for practical exams will be given before your first exam. There are twelve 20-point exams given throughout the semester. The lowest grade of these twelve will be dropped from your point total.

There will be six activities conducted during lab that require turning in as a **handout**. Some of these are group activities in which the groups turn in a joint assignment. Each student is expected to contribute equally to the assignment (see pg. 7 in lab supplement). Individual assignments are expected to be in your own words.

Grade points:

Prelab quizzes – 10 (11-1) @ pts.	50 pts.
Lab exams - 11 (12-1 drop) @ 20 pts.	220 pts.
<u>Additional assignments</u>	<u>70 pts.</u>
Total	340 pts.

BIOLOGY 2113 DAY LAB SCHEDULE

Wk	Date	Lab topic	Manual	Text pages	Lab Atlas	Grade Record
1	1/9 - 1/11	Introduction to lab, Organization of body, Biomedical Imaging activity , 10 pts.	3-8 Unit 1 Appendix	20--24 29-37		___/10
2	1/16 - 1/18	No lab – Mon (MLK Day) Open Labs – Tues & Wed				
3	1/23 - 1/25	Exam I: Organization of body & imaging , (Pre-lab Quiz [PLQ] 1), 5 pts Learn tissue types, start tissue flowchart	Unit 2	149-152, 157-165	4-12, 14, 16-17, 19	___/ 5 ___/20
4	1/30 - 2/1	Finish tissue activity , 15 pts. (PLQ2 – 5 pts.), Learn integumentary system	Unit 3	182-187, 190-191, 195-196	12-13	___/ 5 ___/15
5	2/6 - 2/8	Exam II: Histology , Skin puzzle due , 10 pts. Cutaneous receptor tests , 10 pts.	Unit 3	182 586-5873		___/20 ___/10 ___/10
6	2/13 - 2/15	Exam III: Integumentary system (PLQ3 – 5 pts.) Learn skull anatomy & microscopic bone anatomy	Unit 4	236-250 211-213	46-54	___/ 5 ___/20
7	2/20 – 2/22	No lab – Mon Open Labs – Tues & Wed				
8	2/27 - 2/29	Exam IV: Skull & microscopic bone anatomy , (PLQ4 – 5 pts.) Learn axial skeleton anatomy & long bone	Unit 5	250-259, 265- 267, 207-208	55-59 61-62	___/ 5 ___/20
9	3/5 - 3/7	Exam V: Axial skeleton & long bone anatomy , (PLQ5 – 5 pts.), Learn appendicular skeleton	Unit 6	259-264, 267-271	59-64	___/ 5 ___/20
10	3/12 - 3/14	SPRING BREAK - No labs				
11	3/19 - 3/21	Exam VI: Appendicular bone anatomy , Learn body movement, joint types & anatomy, (PLQ6 – 5 pts.) Start Muscle Physio-Ex Exercise	Unit 7 Physio- Ex	279-284, 288-297, 301-303, 418-421,		___/20 ___/5
12	3/26 - 3/28	Exam VII: Articulations & Muscle Physiology , (PLQ7 – 5 pts.) Learn axial muscle anatomy Muscle Physio-Ex Exercise Due	Unit 8	317-349 Parts of Atlas B	70-73, 75-81,83- 84, 96-8, 104-108	___/5 ___/20 ___/10
13	4/2 - 4/4	Exam VIII: Axial muscles , (PLQ8 – 5 pts.), Learn appendicular muscles	Unit 9	350-354, 359-371 Atlas B	83-92 100-103, 109-111	___/ 5 ___/20
14	4/9 - 4/11	Exam IX: Appendicular muscles (PLQ9 – 5 pts.), Learn spinal cord anatomy, nerves & reflexes	Unit 10	491-501 503-506	20	___/ 5 ___/20
15	4/16 - 4/18	Exam X: Spinal cord anatomy, Spinal Nerves & Reflexes , (PLQ10 – 5 pts.), Learn brain & cranial nerves, sheep brain dissection	Unit 11	512-514 518-532 546-555	140-143	___/ 5 ___/20

Wk	Date	Lab topic	Manual	Text pages	Lab Atlas	Grade Record
16	4/23 - 4/25	Exam XI: Brain anatomy , (PLQ11 – 5 pts.), Start eye, ear & endocrine anatomy, eye dissection	Unit 12	597-601, 612-615, 637-640 644-651	73-74 146	___/5 ___/20
17	4/30 - 5/2	Exam XII: Eye, ear & endocrine gland anatomy , Feedback loop exercise, 15 pts.	pp. 77-80	16-19		___/20 ___/15

Schedule is tentative and faculty reserve the right to make changes. Last day to withdraw from class is 18 April..

Academic Honesty

Plagiarism and cheating will not be tolerated in lab and will result in a **zero grade** for any handout or lab practical where academic dishonesty is discovered, a minimum of an **automatic letter grade reduction** from the laboratory grade (10% decrease in the final laboratory grade) and, the individual will be subject to sanctions outlined in the Student Code of Conduct. All incidents of academic dishonesty will be reported to Dean of Student Life.

Plagiarism, either deliberate or accidental, includes using the exact wording or paraphrased wording of another student's work or from other sources without proper citation (quotations and author name and year published or website address). It is preferred that all answers be in your own words when turning in individual or group work. The following web sites offer excellent definitions of both deliberate and accidental plagiarism and have information on proper citations:

<http://www.millikin.edu/academics/cas/muwc/Pages/InfoonPlagiarism.aspx>

http://www.turnitin.com/research_site/e_home.html

Plagiarism and cheating only degrades the learning experience and is unlikely to benefit you in the long run.

Activities that are considered not acceptable in lab include, but are not limited to:

- copying answers from another student's lab practical, quiz, or assignment or instructor's key
- looking at someone else's test whether you actually copy that information
- knowingly allowing someone to copy your answers on a lab practical, pre-lab quiz or assignment
- informing other students of specific or general content on a practical or quiz
- willingly listening to specific or general content on a practical or quiz (if unreported by you to an instructor, you will be considered a willing participant)
- using unauthorized written material or diagrams , e.g. cheat sheet, during a lab practical
- using exact or similar wording as that of another student, textbook, website, etc. on an assignment without proper acknowledgement,
- having someone else complete your assignment that is meant to be your own work
- moving pins, pointers, stickers on models, pictures, scopes, etc. during a practical
- helping another student cheat.

Attendance – Attendance to lab is key to learning most of the anatomy in this class and emphasizing some physiology. If you miss more than two labs you will get an automatic zero grade in lab.