

BIOLOGY 2113 NIGHT LAB SYLLABUS SPRING 2012

| Sec | Day & time | Instructor | Office | Phone | Office Hours |
|-----|-----------------|-------------------------|--------|-------|--|
| 91 | T,H 5:00-6:20pm | Dr. Marc J Robichaud | S101 | 1747 | T&H: 9:30-11:00am W: 10:00-11:00am T&H: 4:00-5:00 pm |
| 92 | T,H 8:00-9:20pm | | | | |

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

Required material:

- Saladin, K. S. 2010. *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. Fall 2011-Spring 2012. *Human Anatomy and Physiology I: Biology 2113 Lab Manual*
- Anatomy & Physiology Revealed Version 3.0 online access. McGraw-Hill, Boston.

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:

Pre-lab quizzes:

- Before each lab unit, a **5-pt. online prelab quiz** will be administered through 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. **Revealing quiz questions or answers classmates constitutes cheating** and if caught, the student will receive a zero (0%) grade for the entire unit as well as be subject to disciplinary action by the Dean.
- Each quiz will consist of **5 questions** scored at 1 point each. You will have **5 minutes** in which to complete the quiz once you have logged into it. You will have **2 attempts** and the higher of the 2 will be recorded.
- At the end of the semester, the lowest pre-lab quiz score will be dropped.

Lab exams:

- These exams are given as lab practicals with questions at several stations. Students will move from one station to the next answering questions or identifying structures on models, pictures or dissections. Rules for practical exams will be given before your first exam.
- There are **12 - 20 pt** exams given throughout the semester.
- At the end of the semester, **the lowest grade** of these twelve **will be dropped** from your point total and **the best 11 scores** only will be counted toward your grade.

Additional Assignments

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

Grade points:

Prelab quizzes – 10 (11-1 drop) @ 5 pts. 50 pts.

Lab exams - 11 (12-1 drop) @ 20 pts. 220 pts.

Additional assignments 70 pts.

Total **340 pts.**

Attendance Policy

Attendance is expected of all students for all labs. Material is presented in lab that cannot easily be replicated. Lab exams and most lab activities cannot be made up. Switching to another lab **is allowed only once a semester** with your lab instructor's approval, and needs to be arranged with both your lab instructor and the instructor of the section you'll attend in advance. There is no guarantee that there will be space available for you. It is also advisable that you contact your own instructor when you know you will be absent from a lab.

In addition to the one time make-up lab, you are permitted **only 3 lab absences** during the semester. More than this and you will receive a **grade of 0** for the lab portion of you're A&P1 course. As you must pass your lab in order to pass BIOL2113, this will result in a **failed grade for the entire course**. You are responsible for information missed during an absence or tardiness.

Academic Dishonesty

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 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). **All answers should be in your own words** when turning in individual or group work. The following web site offers excellent definitions of both deliberate and accidental plagiarism and has information on proper citations: 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. **YOU ARE RESPONSIBLE for knowing what constitutes academic dishonesty.** All incidents of academic dishonesty will be reported to Dean of Student Life.

Activities that are considered not acceptable in lab include, but are not limited to: (More details are given in the lab manual.)

- copying answers from another student's lab practical, quiz, or assignment or instructor's key
- looking onto someone's answer sheet, even if you do not use their answers
- 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,
- having someone else complete your assignment that is meant to be your own work.
- moving pins, pointers, stickers on models, pictures, scopes, etc.
- helping another student cheat.

Accommodations: Any disability accommodations should be discussed with the Director of Access Services (433-1334). Religious accommodations should be discussed with the professor at the beginning of the semester.

BIOLOGY 2113 NIGHT LAB SCHEDULE

| Wk | Date | Lab topic | Manual | Text pages | Lab Atlas | Grade Record |
|----|-----------|---|---------------------------------------|---------------------------------|------------------------|------------------|
| 1 | 1/9-1/12 | Introduction to lab, Organization of body Begin Biomedical Imaging activity | ii, iii, Unit 1 Appendix | 30-38 20-24 | | |
| 2 | 1/16-1/19 | Complete Biomedical Imaging 10 pts PLQ1(Unit 2) Learn tissue types, start tissue flowchart | Unit 2 Physio-Ex | | | ___/10 ___/ 5 |
| 3 | 1/23-1/26 | Exam I: Organization of body & imaging Finish tissue activity 15 pts. | | 156-161, 165-170, 172-173 | 4-11, 14, 16-17, 19 | ___/20 ___/15 |
| 4 | 1/30-2/2 | PLQ2 (unit 3) Hand in Tissue flowchart Learn integumentary system | Unit 3 | 190-194, 197-198, 201-203 | 12-13 | ___/ 5 |
| 5 | 2/6-2/9 | Exam II: Histology Start Skin puzzle Cutaneous receptor tests, 10 pts | Unit 3 | 202 588-590 | | ___/20 ___/10 |

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| 6 | 2/13- 2/16 | PLQ3 (unit 4) Exam III: Integumentary system Skin Puzzle due Learn skull/microscopic bone anatomy | Unit 4 | 242-257 218-221 | 46-54 | ___/ 5 ___/20 ___/10 | |
| 7 | 2/20- 2/23 | PLQ4 (Unit 5) Learn axial skeleton anatomy & long bone | Unit 5 | 258-267, 273- 276, 215-216 | 55-59 61-62 | ___/ 5 | |
| 8 | 2/27- 2/30 | Exam IV: Skull & microscopic bone anatomy Open lab for bone studying | | | | ___/20 | |
| 9 | 3/5- 3/8 | PLQ5 (Unit 6) Exam V: Axial skeleton & long bone anatomy Learn appendicular skeleton | Unit 6 | 270-274 277-283, | 61-64 | ___/ 5 ___/20 | |
| 10 | 3/12- 3/15 | Spring Break (NO LABS) | | | | | |
| 11 | 3/19- 3/22 | PLQ6 (Unit 7) Exam VI: Appendicular bone anatomy, Learn body movement, joint types & anatomy Begin Muscle Physio-Ex | Unit 7 Physio-Ex | 290-295 299-308, 422-425 | | ___/ 5 ___/20 | |
| 12 | 3/26- 3/29 | PLQ7 (Unit 8) Exam VII: Articulations & Movement Learn axial muscle anatomy Muscle Physio-Ex Due | Unit 8 | 324-348 | 72-75 78-83 86 98-102 106-110 | ___/ 5 ___/20 ___/10 | |
| 13 | 4/2- 4/5 | PLQ8 (Unit 9) Exam VIII: Axial muscles Learn appendicular muscles | Unit 9 | 351-362, 367-379 | 83-92 100- 103, 109-111 | ___/ 5 ___/20 | |
| 14 | 4/9- 4/12 | PLQ9 (Unit 10) Exam IX: Appendicular muscles Learn spinal cord anatomy, nerves & reflexes | Unit 10 | 482-485 496-506 565 | 20 | ___/ 5 ___/20 | |
| 15 | 4/16- 4/19 | PLQ10 (UNIT 11) Exam X: Spinal cord anatomy, Spinal Nerves & Reflexes Learn brain & cranial nerves Sheep brain dissection | Unit 11 | 519-535 547-556 | 140-145 | ___/ 5 ___/20 | |
| 16 | 4/23- 4/26 | PLQ11 (Unit 12) Exam XI: Brain anatomy Start eye, ear & endocrine anatomy, Cow eye dissection | Unit 12 | 599-602, 612-618, 639-642 646-652 | 73-74 146 | ___/ 5 ___/20 | |
| 17 | 4/30- 5/3 | Exam XII: Eye, ear & endocrine gland anatomy Feedback loop exercise presentation. | pp. 77- 80 | 17-19 | | ___/20 ___/15 | |