

Human Anatomy and Physiology I (BIO 141-0A2L) Laboratory Schedule
NOVA, Loudoun Campus
Summer 2011

Instructor: Wayne Peraanu

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Day/Time: Tuesday & Thursday, 5:30PM – 9:10PM

Location: LS-0123

Textbook: Human Anatomy & Physiology Laboratory Manual (Tenth Edition, fetal pig version)

By Elaine N. Marieb & Susan J. Mitchell

ISBN: 0-321-61613-8

Lab #	Date	Topic/Evaluation*	Lab Exercise
1	May 17	Introduction and Lab Safety Anatomical Language Body Cavities	Handout Ex 1 - All Activities Ex 2 - Table 2.1, Activity 5
2	May 19	Microscopy Cells, Part 1: Anatomy and Division	Ex 3 - All Activities Ex 4 - All Activities
3	May 24	Cells, Part 2: Cell Permeability	Ex 5 - Activities 1, 2, and 5 (Experiments 2 and 7 Online)
4	May 26	Tissues	Ex 6 - All Activities
5	May 31	Lab Practical 1 - Labs 1-4 Integument Covering and Lining Membranes	EVALUATION Ex 7 - Activities 1, 2, 3, and 4 Ex 8 - Activities 1 and 2
6	June 2	Bone Structure and Cartilages Axial skeleton	Ex 9 - Activities 2, 3, and 4 Ex 10 - Activities 1, 4, and 5
7	June 7	Appendicular Skeleton Articulations and Body Movements	Ex 11 - Activities 1 (Table 11.1) and 6 (Optional) Ex 13 - Activities 1, 2, 5, and 6
8	June 9	Skeletal Muscle Anatomy Muscular System	Ex 14 - Activities 1 (Experiments 1 and 4 Only), and 2 Ex 15 - Activities 1, 2, 3, and 4
9	June 14	Lab Practical 2 - Labs 5-8 Student Presentations	EVALUATION
10	June 16	Blood Heart Anatomy Heart Conduction and EKG	Ex 29 - Activities 2, 3, 4, 5, and 7 Ex 30 - All Activities, Sheep Heart Dissection Ex 31 - Activity 1A (Baseline Only)
11	June 21	Respiratory System Anatomy Respiratory System Physiology	Ex 36 - Activities 1 and 3 Ex 37 - Activities 1, 2, 3 (Recording Only), and 7
12	June 23	Lab Practical 3 - Labs 9-12 Student Presentations	EVALUATION

***Students are responsible for all schedule changes announced in class or through Blackboard.**

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Attendance: Students are expected to attend **all** labs.

Missed Labs: Students **cannot** make-up labs or practicals. If a student misses a lab for any reason, they receive a zero (**0**) for any associated assignments.

Late Arrivals: Students that arrive to lab after assignments are collected receive a **20%** (**2** point) penalty on each exercise. Students that arrive after the first thirty (**20**) minutes of lab are not allowed to remain in lab and receive a zero (**0**) for any associated assignments.

Attire: Students must wear closed-toed shoes in lab at all times. Students in violation of this policy are not allowed to remain in lab and receive a zero (**0**) for any associated assignments.

Cell Phones: Students must silence cell phones and remove them from their lab table. Students will be dismissed, and receive a zero (**0**) for the lab, if they violate this policy.

Cancelled Labs: Students are responsible for checking NOVA's website (www.nvcc.edu) for information concerning school closures. If you cannot access the above website, contact your lab professor or the Science Division Office (703-450-2575).

Grading: Review sheets for exercises covered in lab are worth **5** points each (**0** points for incomplete/incorrect exercises; **2.5** points for partially complete/correct exercises; and **5** points for complete/correct exercises) and are due at the **beginning** of the following lab period. The **two** lowest review sheet scores are automatically dropped. The three lab practicals are worth **50** points each and **cannot** be made-up. The student presentation is performed in groups of less than four and is worth **20** points. Presentations must be no longer than fifteen (**15**) minutes; center on a single disorder of one body system (e.g., nervous system); and involve **all** group members. Presentation topics must be approved by the instructor in advance. (Total lab points = **255**)

Extra Credit: There are **no** extra credit assignments provided in lab.

Value of Lab Grade: The lab grade is worth **30%** of the BIO 141 course grade.

Lab Cleanliness: Students that do not clean/organize their lab equipment and table will receive a zero (**0**) for any associated assignments.