2014

470-01 Human Anatomy I

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Course Description:
This course is a laboratory course based primarily on the dissection of human cadavers for the purpose of learning human anatomy. Short lectures will open each class in an effort to orient students to the material for a particular class meeting; however, the bulk of class time will be devoted to dissection. This class represents the first semester of a two semester course. The first semester will focus on the superficial anatomy of the trunk (primarily the musculature), and on the anatomy of the extremities, including muscles, bones, nerves and blood vessels. Students will also have the opportunity to teach human anatomy to students in the Anatomy & Physiology course by demonstrating their dissections.

Course Objectives:
1. To gain an understanding of human anatomy through dissection of human cadavers.  
2. To learn proper dissection technique.  
3. To learn basic teaching skills through demonstration of cadaver dissections.

Textbook:

Other texts, such as atlases and dissection guides, are available to the students in the classroom for classroom use.

Schedule:
A class schedule will be distributed indicating the dates of all class meetings and the focus of a given class. Class will meet on Tuesday afternoons from 5:00 until 7:30 PM. During one week in November, students will demonstrate their cadaver dissections to students in the A and P labs. The schedule for A and P demonstration sessions will be determined based on the students’ availability. In general, class will not meet during those weeks set aside for demonstration sessions, although meetings may occur for special purposes such as review for examinations or demonstrations to high school students.

End-of-Class Check-Out Rounds:
At the end of each dissection period prior to leaving class, each dissection group will have “check-out rounds” with the instructor. During this brief time, students will demonstrate their dissection findings to the instructor. This demonstration is not intended
to be a high-pressure oral examination; but rather, it serves as a chance for students to show their dissection and be sure that they have found and identified structures correctly.

**Grades:**
Grades will be based primarily on attendance and participation in class. Students will be expected to have read and become familiar with the material prior to a given class so that they are prepared to dissect. Make-up classes are impossible; so students are expected to attend all classes or to notify the instructor if they are unable to attend a particular class. Two (2) quizzes will be given during the semester and will contribute to the student’s semester grade.

**Conduct, Attire, and Equipment:**
It cannot be emphasized too strongly that the cadavers must be treated at all times and under all circumstances with utmost respect and dignity. The cadavers are the physical remains of once-living human beings and have been donated for the purpose of your education. Any desecration or disrespectful treatment of the cadavers will not be tolerated!

You will be provided with a lab coat and gloves for dissection. However, please wear old clothing. You will also be provided with all dissecting instruments. If you wear corrective lenses, glasses are preferable to contacts for dissection. Goggles and breathing masks are also available if you should need them.

Since your textbook is a dissection manual, please always bring it with you to class. In addition, always bring a printed copy of the emailed worksheet to class for taking lecture notes and for use during dissection.

You will be working in teams of four students, and each team will have its own cadaver. Please see that your cadaver is kept moistened to delay desiccation and decomposition. A special wetting solution is provided.

**Communication:**
The instructor will be communicating weekly with the students via email. Worksheets will be sent to students on a weekly basis. These sheets are intended to be a general outline of the upcoming dissection and will emphasize important material or terms. **Please print them and bring them to class for note-taking.** They are, by no means, intended to replace the textbook. The opening lecture for each class will generally follow the outline on the worksheet. Changes in schedule and other important housekeeping information will also be sent out by email. Please feel free to email the instructor with questions or problems at any time.
Class Meeting Schedule—Fall, 2014
Biology 470

Tues. Aug 26  First Class Meeting--Orientation;  Dissection--Integument
             Lecture on general terms and history of anatomy
Tues. Sept. 2  Dissection—Integument;  Lecture on Human Musculature
Tues. Sept. 9  Dissection—Chest, Axilla (2,3)
Tues. Sept. 16 Dissection—Back, Shoulder (25,4)
Tues. Sept. 23 Dissection—Arm (4,5)
Tues. Sept. 30 Dissection—Forearm (5,7)
Tues. Oct 7  Dissection—Hand (6,7)
Tues. Oct. 14 Dissection Review
Tues. Oct. 21 Quiz
Tues. Oct. 28 Dissection—Buttock, Thigh(20,21)
Tues. Nov. 4  Dissection—Leg(22,23)
Tues. Nov. 11 No Class—Dissection Demo for A and P
Tues. Nov. 18 Dissection—Foot (22,23)
Tues. Nov. 25 No Class—Thanksgiving Break
Tues. Dec. 2  Dissection—Knee(24);  Review
Tues. Dec. 9  Quiz