February 1, 2013
FROM: Peter V. Loubert, PT, Ph.D.; Bill Saltarelli, Ph.D.
TO: CMU’s Physician Assistant and Physical Therapy Classes Starting in 2013
RE: HSC 630 - Regional Human Anatomy

Hello Everyone,

Doctors Loubert and Saltarelli will be your instructors this summer in HSC 630: Regional Human Anatomy. We would like to welcome and congratulate you on choosing CMU’s Physician Assistant and Physical Therapy programs. As you know, these Programs rank among the best in the country. We are also writing to introduce our Anatomy course and give you an idea of what to expect this summer. Most students find the course to be very interesting, but also quite challenging. During the process of studying for this course, you will (1) learn that Anatomy is the foundation for much of your future medical knowledge, (2) enhance your ability to teach yourself and your classmates and (3) build very close friendships with your peers (and us too) that will last a lifetime.

Concerning the course, we will explain the course in greater detail during the first lecture on Monday May 13, 2013 at noon in the CMED Auditorium. For now, we would like you all to be aware of the general format and requirements of the course.

1. The course will use Blackboard (https://blackboard.cmich.edu/), CMU’s course management system, for posting all course information including study guides for each topic covered in the course. You may or may not have access before that time, depending on your current enrollment status in the course, and how soon we can get the course shell activated. If you do not have a computer, CMU has computer labs that you can use as well as the computers in the Anatomy lab or in the Health Professions Building.

2. Texts for HSC 630 will be available at CMU’s bookstore and/or SBX, and of course can be purchased online at any other venue of your choice:

   Required Text:

   We prefer that you have the current edition of the Moore textbook. If you have an older edition it will certainly work for the course, but page and other references in the syllabus and/or lab guides will not be correct for an older edition.

   Required Atlas - Choose any one of the following:
We have listed the atlases in general order of preference, but we also hope that in the end we will have a variety of different atlases available for everyday use in the lab. If you have an older edition of any of these atlases you do not need to purchase a newer edition. There are also several atlases that are sufficient references for the course. Ask one of us if you have a question about an atlas that you already have in your library.

**Required Clicker:**

a. TurningPoint Response Device or ResponseWare license. The response devices are available at the CMU bookstore or can be purchased through the Turning Technologies website ([https://store.turningtechnologies.com/index.cfm?fuseaction=Products](https://store.turningtechnologies.com/index.cfm?fuseaction=Products)). We recommend one of the least expensive models (Model RFC-02-BX or RFC-03-BX).

As an alternative to a response card, you can purchase a ResponseWare license that will allow you to participate through the web browser on any mobile device with an internet connection, or with a dedicated app on your device. Currently there are dedicated apps for iOS and Android devices that we know of. The apps are free, but you still need a ResponseWare license to participate in class. The ResponseWare license for one year is about half the price of the hardware clicker.

We will use this standard CMU student response system for review questions at the end of each lab and possibly in lectures. Please be sure to have one of the options for participation available throughout the semester.

**Optional Software Resource:**


You do not need to purchase either of these resources, however many students have found one or both of them helpful in the past. They are particularly helpful in review of anatomy before the course starts, and for review of a specific area as the course progresses.

3. Every student must provide their own lab coat, dissection tools, and protective gloves.
   a. **Lab coats** are available for purchase in the CMU bookstore. You are also welcome to purchase a lab coat elsewhere. We recommend the ¾ length coats.
   b. **Dissection kits** will be available at the bookstores. When you purchase dissection kits, please be sure to get the kit for HSC 630 (not the biology kits) so that you get the right tools. It is not necessary to buy the dissecting kit if you have the tools listed below. **Be sure your dissection kit includes the following:**
      1. pair rat-toothed forceps
      1. blunt probe
      1. scalpel handle (#4)
      10. scalpel blades (#20)
      1. pair surgical scissors
   c. **Gloves** can be purchased at many sites including department stores, drug stores, home building stores, etc. If you are tolerant of latex, latex gloves are recommended. Other gloves can also be used where necessary, available and appropriate. You will probably go through 200 or more gloves during the course, so purchase of 2 boxes of 100 would be a good initial investment.
4. During the course, there will be **1 prerequisite knowledge exam and 3 Regional Examinations**. The last exam will include a comprehensive section covering material from the entire course. **EXAMS ARE SCHEDULED FOR TUESDAYS OR THURSDAYS AND WILL INCLUDE TIMES OUTSIDE OF NORMAL CLASS HOURS.**

5. Each student will do several **graded dissections**. Each student will be assigned specific dissections in which he/she is responsible for learning the structures of that region before the actual day in lab and presenting this information to your fellow students during that scheduled lab. This may sound frightening at first, but actually works quite well, and it is a great learning experience.

6. We also want to make sure you are aware that success in this course requires students to **spend many hours outside scheduled class time** studying the material. This may mean extra hours studying in and outside of the lectures and laboratories.

7. **Pre-requisite anatomy and physiology knowledge.** We understand that as a group many of you have different backgrounds in basic anatomy and physiology. However we expect all of you to have a basic understanding of Anatomy & Physiology before we begin the class. To help you refresh your understanding of A & P we suggest you do the following in the weeks before May 16 when we will begin learning in a clinical regional approach.
   a. Read the Introduction to Clinically Orientated Anatomy (pages 1-70) in your Moore textbook.
      This chapter is an excellent review of your undergraduate systems approach to anatomy. Specific learning outcomes can be found on the following web site:
      https://team.cmich.edu/sites/chp/hsc/582/default.aspx
      Guest login: cmuguesthsc582
      Password: hsc582pwd
   b. Histology review, WEB site http://tinyurl.com/214histology
   c. View the short film clips on the Anatomy and Physiology Revealed CD. You will find them in each body system. They are short but very informative.
   d. If you are interested, Dr. Saltarelli’s lectures from his undergraduate anatomy course (HSC 214) are available for you to listen to at the following web address:
      http://panopto.cmich.edu/Panopto/Pages/Sessions/List.aspx?folderID=3204f79a-f585-42d4-9448-42cbbea954c0
   e. All of this information should be review for you, and will help refresh your learning in preparation for this course. There will be minimal in-class review of this information. You can use any Anatomy and Physiology textbook to help you with this information. There will be no answers provided for these exercises. The perquisite examination on this material will be scheduled for the beginning of the second week of class. Our intent with this exam is to test your knowledge of anatomy and physiology from your undergraduate preparation.

Finally, we hope this gives you all some idea of what to expect this summer. The course is demanding; however, we will have fun, believe it or not.

Looking forward to seeing you in May,

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