**BMED 605: Intro to Human Anatomy (3 credits)**

**George Mason University - Biomedical Certificate Program**

**Spring 2020**

**Lecture: W/F 2 - 3:45pm**

**Bull Run Hall 130**

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Professor

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**Information in this syllabus is subject to change according to the needs**

**of the class and at the discretion of the instructor**

***Texts/Materials***

**Required textbook: Drake et al, Gray’s Anatomy for Students 2nd ed. (3rd edition is fine)  
Recommended resources: Netters Atlas, 6th ed. (any edition is fine)**

**Rohen’s Color Atlas of Anatomy, 4th ed.  
 Netanatomy.com**

**Students should bring a polling enabled device to every class.**

***Course Description***

Human anatomy is designed to introduce anatomical concepts to augment student understanding of physiology encountered in the ABS curriculum. Course will include lecture-based, small group-based, and cadaveric viewing-based learning.

***Learning Objectives***

* Study the detailed anatomy of major anatomical regions of the body
* Prepare for anatomy encountered in professional schools
* Apply anatomical knowledge to clinically-based cases and multiple choice questions
* Identify structures in cadaveric dissection and cadaveric images
* Work with peers in cadaveric dissection and small group discussions
* Verbally express anatomical knowledge in prosection lab and small group discussions

***Anatomical Prosection at Georgetown University***Students will attend 3 anatomical prosections at Georgetown University throughout the course of the semester. These sessions are critical to your understanding of anatomy. It is your responsibility to arrange transportation to Georgetown.

***Course Grade***

There will be 3 examinations. The exams will include a written and a slide examination portion. All questions are in multiple-choice format. Slides will be based on information covered in lecture and at the prosection at Georgetown University. **All exams are held in the morning of the scheduled exam day.**

The exams will be scored as follows: ***Total***

*3 Lecture exams 75 points each* ***225***

The course grade will be determined from the class average and standard deviation.

**Final course grades are determined at the end of the semester based on overall student performance, class average and standard deviation**. As a guideline for performance during the semester, students scoring within 1 standard deviation of the mean are performing satisfactorily. Students scoring below 1 standard deviation of the class mean should reevaluate their study strategy.

A minimum of 60% in the course is required to pass.

***Make-up Exams***

Missing an exam is **NOT ACCEPTABLE**, except under valid circumstances. If you know you will not be here during a scheduled exam, you may take the exam EARLY. It is your responsibility to recognize and address this. Lecture exams may be made up if **prior permission has been given by the instructor.** Missing an exam for emergencies will require documentation.

***Small Groups***  
Students will be divided into groups to work on clinical-based questions reinforcing anatomical concepts. Small groups will be run by the course instructors in a rotating manner. Everyone is encouraged to not miss small groups. Answers to small groups will be given only in small group.

***Tips for Academic Success***

* Be careful NOT to fall behind. Stay on top of your course material. Study each week’s material like you have an exam on it.
* Attend ALL cadaveric dissections at Georgetown. This will not only help reinforce the material but will prepare you for the practical slides given on the exam. We also have skeletons and bone boxes in the ABS office.
* Get help **early** if you are struggling. After you perform poorly on an exam is not the time to ask for help.
* Organize the material in a way that makes sense to you. Pictures, tables, charts… whatever works.
* Use netanatomy.com – you will have free access to this site through the GMU library website

***Online Communication***

We will be using **Blackboard** as our online communication portal. **PLEASE** **CHECK IT REGULARLY.** Please use the **blackboard discussion** **board** for lecture related questions so that all students may benefit. Individual lecture questions will NOT be answered by email. Please post all questions to the discussion board. Feel free to answer each others questions on blackboard. The faculty will monitor the discussion board.

***Academic Dishonesty Statement***  
All George Mason University students have agreed to abide by the letter and the spirit of the Honor Code.  You can find a copy of the Honor Code at academicintegrity.gmu.edu.  All violations of the Honor Code will be reported to the Honor Committee for review.

No student is allowed to take exams, or any part of the exam, outside of the classroom. Photocopying, taking pictures, or reproduction of examination material of any kind will not be tolerated. Students may not speak about the exam to other students who are taking the exam at an alternate time.

Students should request an explanation of any aspect of the professor’s policies regarding the Honor Code that they do not fully understand. They also have an obligation not only to follow the code themselves, but also to encourage respect among their fellow students for the provisions of the code. This includes an obligation to report violations by other students to the Honor Committee.

***Course Materials***

The materials used in Georgetown University courses ("Course Materials") generally represent the intellectual property of course instructors which may not be disseminated or reproduced in any form for public distribution (e.g., sale, exchange, etc.) without the written permission of the course instructor. Course Materials include all written or electronic documents and materials, including syllabi, current and past examination questions/answers, and presentations such as lectures, videos, PowerPoints, etc., provided by a course instructor.  Course Materials may only be used by students enrolled in the course for academic (course-related) purposes.

***Disability Accommodations***  
If you have a learning or physical difference that may affect your academic work, you will need to furnish appropriate documentation to the Office of Disability Services. If you qualify for accommodation, the ODS staff will give you a form detailing appropriate accommodations for your instructor.In addition to providing your professors with the appropriate form, please take the initiative to discuss accommodation with them at the beginning of the semester and as needed during the term.

**University policies:** http://universitypolicy.gmu.edu/  
**Student resources at GMU:** http://ctfe.gmu.edu/teaching/student-support-resources-on-campus/

***Learning Environment***

GMU and Georgetown are places for learning and growing. You should feel safe and comfortable anywhere on this campus.

In order to maintain a campus/classroom environment that encourages the free exchange of ideas and information, the following expectations for the campus community have been established:

1. That all backgrounds and cultures be respected.
2. That a free and civil exchange of ideas take place, so everyone feels welcome to participate.
3. **That all members of the class arrive on time and leave the class only on breaks or in case of emergency.**
4. That distractions be kept to a minimum – **cell phones and other electronic devices should be turned off in class, labs and the library. Students remain seated throughout the class and refrain from talking with classmates while another class member or the instructor has the floor.**
5. **That each student submits his/her own work.**
6. That consideration will be given to classes in adjoining rooms.
7. That the members of each class and the instructor leave the classroom in good condition.

**Schedule of Class Meetings**

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| **Date** | **Topic** | **Lecturer** |
| Wed 1/22 | Introduction to course and approach to anatomy  Anatomical terms and body systems | Castilla |
| Fri 1/24 | Thorax: Bones, extrinsic and intrinsic muscles, breast, diaphragm, mediastinum | Castilla |
| Wed 1/29 | Thorax: Heart | Tomson |
| Fri 1/31 | Thorax: Lungs, lymphatics, posterior and superior mediastinum | Tomson |
| Wed 2/5 | Back: Surface anatomy, scapula, muscles Spinal column | Castilla |
| Fri 2/7 | Spinal cord, meninges, introduction to the peripheral nervous system (PNS) | Tomson |
| Wed 2/12 | Case Studies Small Groups | Faculty |
| **Fri 2/14**  **1:30 - 4:30pm** | **Prosection: Thorax at GU** | Faculty |
| Wed 2/19 | Anatomical slides: Thorax; Review | Castilla |
| **Fri 2/21**  **10:30-12:30** | **EXAM I** |  |
| Wed 2/26 | Abdomen: Surface anatomy, abdominal wall, inguinal canal | Tomson |
| Fri 2/28 | Abdomen: Digestive tract | Tomson |
| Wed 3/4 | Abdomen: Accessory digestive organs, other abdominal organs | Tomson |
| Fri 3/6 | Abdomen: Posterior abdominal wall, urinary system | Tomson |
| **3/9- 3/15** | **SPRING BREAK** |  |
| Wed 3/18 | Pelvis: Pelvic cavity, pelvic floor, internal organs | Tomson |
| Fri 3/20 | Pelvis: Perineum, surface anatomy | Tomson |
| Wed 3/2 | Case Studies Small Groups | Faculty |
| **Fri 3/27 1:30 - 4:30pm** | **Prosection: Abdomen at GU** | Faculty |
| Wed 4/1 | Review/Anatomical slides: Abdomen/pelvis | Tomson |
| Fri 4/3 | Introduction to joints (covered on exam III) Gluteal region and intro to lower limb (covered on exam III) | Tomson |
| **Wed 4/8 10:30-12:30** | **Exam II** |  |
| Fri 4/10 | Lower limb: bones and major muscles | Tomson |
| Wed 4/15 | Upper limb: bones, axilla, brachial plexus | Castilla |
| Fri 4/17 | Upper limb: muscular compartments | Castilla |
| Wed 4/22 | Head and neck: Strap muscles and fascial compartments, skull and intro to cranial vault | Tomson |
| Fri 4/24 | Head: Facial muscles and introduction to cranial nerves | Tomson |
| Wed 4/29 | Case Studies Small Groups | Faculty |
| **Fri 5/1**  **1:30 - 4:30pm** | **Prosection: Upper limb at GU** | Faculty |
| **TBA** | **EXAM III** |  |