

Department of Medical Imaging Sciences
Faculty of Health Sciences
American University of Beirut

Course number: MIMG208
Course Name: Sectional Anatomy
Spring Semester AY 2019 - 2020

Course Administration

Course Instructor:

Name: Hanane Merhi
Office: AUBMC - Phase I - SB: 09 - Room #: 17
Phone: 5075
Email: hm14@aub.edu.lb
Office hours: By appointment

Class Time and Location

Classes:

M 14:30 pm – 15:45
R 13:00 pm – 14:15

Classroom: X-Ray School, AUBMC- Phase I- Floor: SB- Room #: SB21

Course Description

This course introduces the student to human anatomy as seen in the transverse, coronal, and sagittal planes. Anatomy of the head, neck, thorax, abdomen, pelvis and extremities will be studied using CT and MRI images.

Course Learning Objectives

By the end of the course, students will be able to:

1. Develop a thorough comprehension and understanding of anatomical regions from a sectional perspective.
2. Apply the anatomical relationships to recognize structures and identify anatomical details presented in coronal, sagittal and axial planes.
3. Correctly identify and label anatomic structures on diagrams and on computed tomography (CT) and magnetic resonance (MR) images of the head, neck, thorax, abdomen, pelvis and extremities.

References - Required Readings

Notes:

All lectures, reading materials and exercises will be uploaded on Moodle (via the MIMG208 Moodle Site).

Assigned Books:

1. Applegate E. J. (2010). *The Sectional Anatomy Learning System Applications*. 3rd Edition. St. Louis, Missouri, Saunders Elsevier.
2. Applegate E. J. (2010). *The Sectional Anatomy Learning System Concepts*. 3rd Edition. St. Louis, Missouri, Saunders Elsevier.
3. Kelley L. L. & Petersen C. M. (2013). *Sectional Anatomy for Imaging Professionals*. 3rd Edition St. Louis, Missouri, Elsevier.
4. Madden M. E. (2008). *Introduction to Sectional Anatomy*. 2nd Edition. Philadelphia, PA, Lippincott Williams & Wilkins.
The reference book will be provided to students for photocopying.

Useful Websites:

Website: <https://mrimaster.com>

Website: <https://www.med-ed.virginia.edu/courses/rad/headct/>

Website: <http://w-radiology.com>

Course Requirements and Student Evaluations

	Assessment	Percent	Linked to which objectives?
A.	Attendance and Class Contribution	5%	All learning objectives
B.	Test 1: Sectional Anatomy of the Thorax	20%	All learning objectives
C.	Test 2: Sectional Anatomy of the Head and Neck	20%	All learning objectives
D.	Test 3: Sectional Anatomy of the Abdomen	25%	All learning objectives
E.	Test 4: Sectional Anatomy of the Male and Female Pelvis	20%	All learning objectives
F.	Test 5: Sectional Anatomy of the Upper and Lower Extremities	10%	All learning objectives

N.B.: The passing grade for the course is 70%

Credits Allocated

3

Prerequisites

HUMR246

AUB/FHS Policies

✓ *Attendance*

Attendance is mandatory, and attendance will be taken in each lecture. You are expected to attend all classes punctually and regularly and participate in classroom activities. The course is on a full-time basis and 100% attendance is required. Failure to attend 5 sessions of the MIMG208 course will lead to an interview with the course advisor to explain the absence and may lead to a decision that the student should be withdrawn from the course. You are required to co-operate with the signing-in procedure. If you miss a class, it is your responsibility to make up for the material missed and inquire about any announcements made.

As per AUB General Regulations, students who miss more than one-fifth of the sessions of any course in the first ten weeks of the semester (five weeks in the case of the summer term) are dropped from the course.

✓ *Academic Integrity*

Education is demanding, and time management is essential. Do not hesitate to use the resources around you but do not cut corners. Cheating and plagiarism will not be tolerated. Please review the Student Code of Conduct in your handbook available on the following web page:

<https://www.aub.edu.lb/sao/Documents/Student%20Handbook%202016-2017.pdf> and familiarize yourself with definitions and penalties (p. 33).

If you're in doubt about what constitutes plagiarism, ask your instructor because it is your responsibility to know. The American University of Beirut has a strict anti-cheating and anti-plagiarism policy.

Penalties include failing marks on the assignment in question, suspension or expulsion from University and a permanent mention of the disciplinary action in the student's records.

✓ *Tests*

All tests must be completed within the time period specified; zero points will be given for a test if the student does not adhere to the time guidelines.

If for any reason a test is rescheduled, a petition should be signed by the students.

✓ *Make-up Tests*

Having several episodes of minor illness during the term should not affect your ability to sit for a test or to submit a coursework.

Students should not seek medical report for minor illnesses, particularly after they have recovered.

Make-up tests are only allowed whenever a student is prevented by severe illness from attending the examination and/or whenever the excuse presented by the student deemed valid by the course instructor such as death in the family, and personal/family emergency.

✓ *Students with Disabilities:*

AUB strives to make learning experiences accessible for all. If you anticipate or experience academic barriers due to a disability (such as ADHD, learning difficulties, mental health conditions, chronic or temporary medical conditions), please do not hesitate to inform the Accessible Education Office. In order to ensure that you receive the support you need and to facilitate a smooth accommodations process, you must register with the Accessible Education Office (AEO) as soon as possible: accessibility@aub.edu.lb; +961-1-350000, x3246; West Hall, 314.

✓ *Non-Discrimination – Title IX – AUB*

AUB is committed to facilitating a campus free of all forms of discrimination including sex/gender-based harassment prohibited by Title IX. The University's non-discrimination policy applies to, and protects, all students, faculty, and staff. If you think you have experienced discrimination or harassment, including sexual misconduct, we encourage you to tell someone promptly. If you speak to a faculty or staff member about an issue such as harassment, sexual violence, or discrimination, the information will be kept as private as possible, however, faculty and designated staff are required to bring it to the attention of the University's Title IX Coordinator. Faculty can refer you to fully confidential resources, and you can find information and contacts at www.aub.edu.lb/titleix. **To report an incident**, contact the University's Title IX Coordinator Trudi Hodges at 01-350000 ext. 2514, or titleix@aub.edu.lb. An anonymous report may be submitted online via Ethics Point at www.aub.ethicspoint.com.

✓ *MIMG208 Class Rules and Regulations*

- *Cell Phones*

The use of cell phones is prohibited in the classroom, even when set to vibrate. Cell phones are extremely disruptive to your classmates and to the instructor. Please make a point to turn off your cell phone before entering class and keep them off of desktops during classes.

- *Eating and Drinking*

Bottled water and other drinks i.e. coffee, juice is allowed during classes; eating is not allowed.

- *Holidays*

Sessions falling on holidays will be compensated on Thursdays from 14:30 – 15:45 or Fridays from 8:00 – 9:00 during the Spring Term 2019/20.

- *Arriving Late*

Arriving late for lectures can be very disruptive to the learning process of others.

If you do arrive late at a class for 15 minutes, the instructor has the right to refuse admission to those who arrive late.

- *Grades*

Tests will be provided to students for revision whenever corrected.

Grades will be posted on Moodle as percentages after each test.

Percentage for each test is available in the table (page 4).

Averages are calculated from the percentage values of the tests.

- *Students' sick reports (University Health Services)*

<http://www.aubmc.org.lb/clinical/FM/Pages/main/UHS.aspx>

Students who present to UHS for an acute sickness may ask for a medical report.

In the case of students who present to ED for an emergency case, the resident in charge issues a sick leave form that needs to be signed by the ED attending physician.

The concerned student will submit the sick leave to the UHS attending physician for approval.

Students who submit a sick report from a physician outside AUBMC are not re-examined by a UHS doctor. The sick report is reviewed by the UHS Director, and the final decision is left to the student's professor.

N.B.: Students are given a medical report that they might use to justify missing classes or exams.

Detailed Course Outline

Please note this is a tentative schedule. Any changes may be made at the instructor's discretion. Sessions falling on holidays will be compensated in accordance with the students and the instructor of the course.

Date	Number of sessions	Topic	Reading	Course Objectives
27/1 – 17/2	7	Introduction to the course. Head and Neck: Class revision of the anatomy, labelling exercises, viewing session	1. Applegate E. J. (2010). <i>The Sectional Anatomy Learning System Concepts</i> . 3 rd Edition. St. Louis, Missouri, Saunders Elsevier. pp. 138-175 and pp. 181- 208 2. Website: https://mrimaster.com 5. Website: https://www.med-ed.virginia.edu/courses/rad/headct/ 3. Website: http://w-radiology.com	1, 2 & 3
20/2 – 9/3	6	Thorax: Class revision of the anatomy, labelling exercises, viewing session	1. Applegate E. J. (2010). <i>The Sectional Anatomy Learning System Concepts</i> . 3 rd Edition. St. Louis, Missouri, Saunders Elsevier. pp. 10-47 2. Website: https://mrimaster.com 3. Website: https://www.med-ed.virginia.edu/courses/rad/headct/ Website: http://w-radiology.com	1, 2 & 3
12/3 – 30/3	6	Abdomen: Class revision of the anatomy, labelling exercises, viewing session	1. Applegate E. J. (2010). <i>The Sectional Anatomy Learning System Concepts</i> . 3 rd Edition. St. Louis, Missouri, Saunders Elsevier. pp. 54-92 2. Website: https://mrimaster.com 3. Website: https://www.med-ed.virginia.edu/courses/rad/headct/ 4. Website: http://w-radiology.com	1, 2 & 3
2/4 – 16/4	5	Pelvis: Class revision of the anatomy, labelling exercises, viewing session	1. Applegate E. J. (2010). <i>The Sectional Anatomy Learning System Concepts</i> . 3 rd Edition. St. Louis, Missouri, Saunders Elsevier. pp. 100-131 2. Website: https://mrimaster.com 3. Website: https://www.med-ed.virginia.edu/courses/rad/headct/ 4. Website: http://w-radiology.com	1, 2 & 3
20/4 – 30/4	4	Extremities and Articulations: Class revision of the anatomy, labelling exercises, viewing session	1. Applegate E. J. (2010). <i>The Sectional Anatomy Learning System Concepts</i> . 3 rd Edition. St. Louis, Missouri, Saunders Elsevier. pp. 214-232 and pp. 237-259 2. Website: https://mrimaster.com 3. Website: https://www.med-ed.virginia.edu/courses/rad/headct/ 4. Website: http://w-radiology.com	1, 2 & 3

N.B: 3 missing sessions.
Compensatory sessions or tests will be scheduled during the spring term on Thursday from 14:30 – 15:45 or Friday from 8:00 – 9:00.

Tests:

Please note this is a tentative schedule. Any changes may be made at the instructor’s discretion.

Test #	Material	Date	Time
Test 1	Sectional Anatomy of the Head and Neck	Thursday February 27, 2020	14:30 – 15:45
Test 2	Sectional Anatomy of the Thorax	Thursday March 19, 2020	14:30 – 15:45
Test 3	Sectional Anatomy of the Abdomen	Thursday April 9, 2020	14:30 – 15:45
Test 4	Sectional Anatomy of the Male and Female Pelvis and Sectional Anatomy of the Upper and Lower Extremities	Thursday May 7, 2020	8:30 – 9:30

Holidays

St. Maroun’s Day: Sunday February 9, 2020
 Annunciation Day: Wednesday March 25, 2020
 Easter Vacation – Latin: Friday April 10, 2020 – Monday April 13,2020
 Easter Vacation – Greek Orthodox: Friday April 17,2020 – Monday April 20,2020
 Labor Day: Friday May 1, 2020