



Fall Semester AY 2023 – 2024	American University of Beirut	
	Faculty of Health Sciences – Division of Health Professions	
	Medical Imaging Sciences Program	
	Course number	MIMG 210 A/B
	Course name	<i>Research in Medical Imaging</i>

Course Administration

Instructor: Dr. Salem Hannoun (Assistant Professor)

Office: 3rd Floor, Van Dyck Hall, Room 329.

Phone Extension: 2964

Office hours: by appointment

Email: sh156@aub.edu.lb

Class Time and Venue

MIMG 210 A: Students are required to attend seminars in the Fall semester.

MIMG 210 B: Students will be divided in groups to work on their projects.

Course Description

This is a three-credit course offered to the Medical Imaging Sciences (MIS) students during their senior year. This course is designed to introduce the students to the IRB rules and regulations as well as train them to search for, read and understand and reference published papers, and write a research manuscript. It is based on a group research work in which students have to submit an IRB proposal for a research project to choose from a list provided by the instructor. Students will then have to identify their own research topic in discussion with their supervisor for which a literature review should be performed and presented as a scientific report as well as a PowerPoint presentation.

Course Learning Outcomes

At the end of this course the student will have performed all the necessary work to write an IRB proposal and a research manuscript, including the following:

1. Explore the research needs of the profession.
2. Analyze research articles to determine the accuracy and validity of findings.
3. Integrate information literacy concept into research project.
4. Critique research projects to determine appropriateness and usefulness to the profession.
5. Apply knowledge to everyday clinical practice.

Credits Allocated: 3

Prerequisites: EPHD 203 & EPHD 213

Course Resources

There is no book for this course.



Course Outline

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

Fall semester (210 A):

Lecturer	Seminar	Date and time	Location
Miss Lina Onsi	IRB rules and regulations	TBD	TBD
Dr Ola El Zein	Effective literature search-Basics		
Dr Ola El Zein	Effective literature search-Advanced		
Dr Ola El Zein	Endnote use and referencing		
Dr Salem Hannoun	How to write a literature review		
Dr Salem Hannoun	How to read a paper and extract information		

Spring semester (210 B):

Recurrent weekly or bi-monthly meetings with supervisor (by appointment).

- IRB proposal => Submission deadline: **Feb 06, 2024.**
- Choice of literature review topic => Deadline: **Feb 08, 2024.**
- Literature review manuscript => Submission deadline: **Apr 15, 2024.**
- PowerPoint presentation => **Between May 06 and May 10, 2024.**

Student Assessment

Assessment	Description	Percent
Attendance	Student should attend all seminars with no exception	5%
Report #1	IRB proposal	35 %
Report #2 manuscript	Literature review on the subject chosen by the student and approved by the supervisor	45%
Report #2 presentation	Oral presentation	15%

Course Policies and General Notes

1. Attendance:

- Students are expected to attend all classes and attendance will be taken in each lecture. A student is responsible for the work that is done and for any announcements made during student absence.
- Students who, during a term, miss more than one-fifth of the sessions of any course in the first twelve weeks of the term (six weeks in the case of the summer term) can be dropped from the course. A faculty member who drops a student from the course for this reason must have stated in the syllabus that attendance will be taken.
- Students who withdraw or are dropped for excessive absence from a course receive a grade of "W". Students who do not withdraw or cannot be dropped for excessive absence from a course will receive a grade of 40 (F).

2. 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 course instructor(s) 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.

By signing up for this course, you confirm that you have read and accepted the terms and provisions of "AUB's Privacy Statement".

Use of an AI Generator such as ChatGPT, iA Writer, MidJourney, DALL-E, etc. is explicitly prohibited unless otherwise noted by the instructor. The information derived from these tools is based on previously published materials. Therefore, using these tools without proper citation constitutes plagiarism. Additionally, be aware that the information derived from these tools is often inaccurate or incomplete. It's imperative that all work



submitted should be your own. Any assignment that is found to have been plagiarized or to have used unauthorized AI tools may receive a zero and / or be reported for academic misconduct.

3. Examinations:

All written exams must be completed within the time period specified. Students who miss a scheduled examination or quiz must present an excuse considered valid by the instructor of the course. The only delays for the exam that will be considered by the course instructor(s) are for documented illness, death in the family, and personal/family emergency. Unless stated otherwise in the course syllabus, the course instructor should then require the student to take a make-up examination.

Only medical reports issued by an AUB Medical Center (AUBMC) doctor, or by the University Health Services will be accepted. Should there be a question about the validity of any excuse presented by the student, the matter should be referred to the appropriate faculty committee. Instructors should make sure there is no time conflict between an exam and a regularly scheduled course.

4. 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](tel:+9611350000), x3246; West Hall, 314.

5. 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 Mitra Tauk 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.