



<b>Spring Semester</b> <b>AY 2023 – 2024</b>	American University of Beirut	
	Faculty of Health Sciences – Division of Health Professions	
	<b>Medical Imaging Sciences Program</b>	
	Course number	<b>MIMG 205</b>
	Course name	<b><i>Introduction to Principles of Diseases</i></b>

### Course Administration

Instructor 1: Dr. Salem Hannoun (Assistant Professor)

Office: 3<sup>rd</sup> Floor, Van Dyck, Room 329.

Office hours: by appointment

Email: [sh156@aub.edu.lb](mailto:sh156@aub.edu.lb)

### Class Time and Venue

Tuesday, Wednesday, & Thursday                      13:00 – 13:50                      Van Dyck Hall 103

### Course Description

An introduction to pathology that focuses on nature and causes of diseases, diseases of the gastrointestinal and hepato-biliary systems, genito-urinary, and endocrine systems. A study of diseases of the nervous system, skeletal system, respiratory, cardio-vascular, and hematopoietic diseases; miscellaneous diseases related to nutrition and immune system. This course offers students information on the pathologic appearance of common diseases on a variety of diagnostic imaging procedures.

### Course Learning Outcomes

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

1. Understand the principles of the various pathologic processes.
2. Identify the anatomic structures of the various systems.
3. Describe the physiology of the various systems.
4. Understand the principles of diseases related to the Skeletal, Respiratory, Gastrointestinal, Hepatobiliary, Urinary, Reproductive, Circulatory, Nervous, and Endocrine systems.
5. Describe the congenital abnormalities affecting the various systems, and interpreting their radiological findings.
6. Describe the inflammatory conditions affecting the various systems, and interpreting their radiological findings.
7. Describe the neoplastic disorders affecting the various systems, and interpreting their radiological findings.
8. Explain how a specific pathologic process or disease will affect the technical factors that the radiographer must consider.

**Credits Allocated:**                      **3**

**Prerequisites:**                      **PHYL 246**

### Course Resources

1. TerriAnn Linn-Watson (2014). Radiographic Pathology (2<sup>nd</sup> edition). Wolters Kluwer, Lippincott Williams & Wilkins.
2. Eisenberg, R. L., & Johnson, N. M. (2020). Comprehensive Radiographic Pathology (7<sup>th</sup> edition). Elsevier Health Sciences.
3. Kowalczyk, N. (2017). Radiographic Pathology for Technologists (7<sup>th</sup> edition). Elsevier Health Sciences.

### Course Outline



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

Session's date	Topic	CLOs
18 – 25 Jan	1-The pathologic Process	1
30 Jan – 08 Feb	2-Skeletal System	2-8
13 – 20 Feb	3-Respiratory system	2-8
21 – 29 Feb	4-Gastrointestinal system	2-8
05 – 12 Mar	5-Hepatobiliary system	2-8
<b>18 – 22 Mar</b>	<b>Exam 1</b>	<b>1-8</b>
13 – 20 Mar	6-Urinary system	2-8
21 – 28 Mar	7-Reproductive system	2-8
02 – 09 Apr	8-Circulatory system	2-8
10 – 17 Apr **	9-Nervous system	2-8
18 – 25 Apr	10-Endocrine system	2-8
<b>07 – 10 May</b>	<b>Exam 2</b>	<b>2-8</b>

\*\* April 10 and 11 sessions (Id Al Fitr) will be compensated on March 27 and April 3 from 2:00 to 2:50 pm.

### Student Assessment

Assessment	CLOs	Percent
<b>1. Attendance &amp; Participation</b>	-	<b>5 %</b>
<b>2. Exam 1</b>	1-8	<b>35 %</b>
<b>3. Exam 2</b>	2-8	<b>40 %</b>
<b>4. Case study assignments</b>		
<b>a. Group work</b>	1-8	<b>10 %</b>
<b>b. Individual work</b>		<b>10 %</b>

### Course Policies and General Notes

#### 1. Attendance:

Attendance is mandatory and will be taken in each lecture and lab session. You are expected to attend all classes and participate in classroom activities. If you cannot attend a class, you should notify the instructor beforehand. 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. Students arriving late to class (>5 minutes) will be considered absent. Students who get out of class and come back again (for any reason) without the permission of the instructor will be considered absent.

#### 2. Academic integrity:

Education is demanding and you need to properly manage your time. Do not hesitate to use the resources around you but do not cut corners. Cheating and plagiarism will not be tolerated. Review the Student Code of Conduct and familiarize yourself with definitions and penalties. Cheating might earn you a failing mark on the assignment, at the very least. You might fail the course in which you cheated, be warned, suspended or expelled from University and a permanent mention of the disciplinary action might be made in your student records. If you're in doubt about what constitutes plagiarism, ask your instructor because it is *your* responsibility to know. Remember that the American University of Beirut has a strict anti-cheating and anti-plagiarism policy. Do not become a lesson to others. For further information, kindly visit [AUB's Policies and Procedures](#) or check [AUB's student handbook](#).

#### 3. Students with Disabilities:

If you have a disability, for which you may request accommodation in AUB classes, consult the [Accessible Education Office](#) (AEO) website for more information and make arrangements with the Coordinator. Also, please see the instructor of this course privately in regard to possible support services that can be provided to you.

The Accessible Education Office (AEO) coordinates academic accommodations and services for all eligible AUB students with disabilities (such as ADHD, learning difficulties, mental health conditions, chronic or temporary medical conditions, and others). If you have a disability for which you wish to request accommodations at the department, faculty or university level, please contact AEO as soon as possible. Once you register with their office, they will assist you in receiving appropriate accommodations and will liaise with your instructors and any related entity to best support your needs. AEO is located in West Hall room 314, and can be reached by phone at 1-350000 ext. 3246 or by email: [accessibility@aub.edu.lb](mailto:accessibility@aub.edu.lb).

#### 4. 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](http://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](mailto:titleix@aub.edu.lb). An anonymous report may be submitted online via EthicsPoint at [www.aub.ethicspoint.com](http://www.aub.ethicspoint.com).

#### **5. Writing:**

Written communication is essential for communication, health education and behavioral science. You are expected to proofread and spell-check any written documents before submission. Points will be deducted from the grades for low quality writings. You are encouraged to contact AUB's Writing Center, located in Ada Dodge Hall, 2nd floor or West Hall, 3rd floor. Appointments can be booked online: [aub.mywconline.com](http://aub.mywconline.com), over the phone (Ext. 4077) or by walking in.