

## Course Description Form

<b>1. Course Name:</b>	
<b>General pathology</b>	
<b>2. Course Code:</b>	
<b>3. Semester / Year:</b>	
<b>2024–2025</b>	
<b>4. Description Preparation Date:</b>	
<b>21–11–2024</b>	
<b>5. Available Attendance Forms:</b>	
<b>Attendance</b>	
<b>6. Number of Credit Hours (Total) / Number of Units (Total)</b>	
<b>120 hours</b>	
<b>7. Course administrator's name (mention all, if more than one name)</b>	
<b>Name: Assit.Proph.Dr. Rand Mazin Anwar</b>	
<b>Email: Rend.m79@gmail.com</b>	
<b>8. Course Objectives</b>	
<b>To addresses the essential need for students to understand the concepts of the pathogenesis of major human diseases and provides students with important background knowledge to understand the principles of major organ diseases in human body.</b>	

## 9. Teaching and Learning Strategies

<b>Strategy</b>	<ul style="list-style-type: none"><li>- <b>Theoretical lectures</b></li><li>- <b>Scientific discussion and seminars</b></li><li>- <b>Lab sessions</b></li></ul>
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## 10. Course Structure

Week	Hours	Required learning outcomes	Unit or subject name	Learning Method	Evaluation method
1	2 hours	Introduction to general pathology and biopsy Adaptation	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
2	2 hours	cell injury & cell death Necrosis, apoptosis	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
3	2 hours	Intracellular accumulation Pigmentation Cell aging	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
4	2 hours	Inflammation Acute inflammation Inflammatory mediator	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
5	2 hours	Chronic inflammation	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar

6	2 hours	<b>Wound healing and repair</b> Primary healing Bone healing Factors and complications	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
7	2 hours	<b>Hemodynamic pathology</b> Thrombosis Embolism	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
8	2 hours	Infarction Shock Edema	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
9	2 hours	<b>Neoplasia</b> Molecular basis of cancer	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
10	2 hours	<b>Benign &amp; malignant tumors</b> Staging & grading Medical effects of cancer	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
11	2 hours	<b>Basis of genetic diseases</b>	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
12	2 hours	<b>Immunopathology</b> Hypersensitivity	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam &

					seminar
13	2 hours	Amyloidosis Autoimmune Diseases Transplantation	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
14	2 hours	Infectious diseases	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
15	2 hours	Environmental diseases and nutritional diseases	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
16	2 hours	Cardiovascular system Diseases of blood vessels	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
17	2 hours	Cardiac diseases Ischemic heart disease Heart failure Infective endocarditis Rhomatic heart disease	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
18	2 hours	RBC and bleeding disorders	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar

19	2 hours	Diseases of white blood cells	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
20	2 hours	Disease of gastrointestinal tract	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
21	2 hours	liver diseases	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
22	2 hours	Diseases of Pancreas & gallbladder	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
23	2 hours	Diseases of the respiratory system	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
24	2 hours	Bone diseases	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar
25	2 hours	Diseases of the renal system	General pathology	Power Point Lectures	Quiz, semester, Mid-term and Final exam & seminar

## Clinical requirements

Lab number	Study unite title	Hours
1.	Introduction and biopsy	2
	Power point slides	
2.	Cell injury: hydropic changes-kidney Fatty changes -liver	2
	Power point slides	
3.	Necrosis: coagulative necrosis- heart Caseous necrosis- lung	2
	Power point slides	
4.	Intracellular accumulation: Anthracosis- lung Hemosidrosis-liver	2
	Power point slides	
5.	Acute inflammation: Acute appendicitis Pneumonia –lung Acute osteomyelitis-bone	2
	Power point slides	
6.	Chronic inflammation: chronic cholecystitis- Gall bladder Granuloma T.B- lung	2
	Power point slides	
7.	Healing and repair: Granulation tissue Keloid -Skin	2
	Power point slides	
8.	Chronic venous congestion- liver Venous thrombosis	2
	Power point slides	
9.	Benign tumors: lipoma- skin Follicular adenoma- thyroid Osteoma- bone	2
	Power point slides	

10.	<b>Malignant tumors: Squamous cell carcinoma- skin Colorectal carcinoma Basal cell carcinoma- lip</b>	<b>2</b>
	<b>Power point slides</b>	
11.	<b>Amyloidosis- kidney</b>	<b>2</b>
	<b>Power point slides</b>	
12.	<b>Thyrotoxicosis- thyroid Hashimoto thyroiditis</b>	<b>2</b>
	<b>Power point slides</b>	
13.	<b>Edema Myocardial infarction Atheroma- Aorta</b>	<b>2</b>
	<b>Power point slides</b>	
14.	<b>Lung- Emphysema Chronic bronchitis</b>	<b>2</b>
	<b>Power point slides</b>	
15.	<b>Chronic gastritis and peptic ulcer</b>	<b>2</b>
	<b>Power point slides</b>	
16.	<b>Liver cirrhosis Power point slides</b>	<b>2</b>
<b>Total</b>		<b>32</b>

### **Course Evaluation:**

**Distributing the score out of 100 according to the followings:**

**20 % first and second semesters**

**20 % mid year exam**

**60 % Final exam**



## **Learning and Teaching Resources:**

**1. Required textbooks:** ● Robbin's & Kumar Basic pathology (eleventh edition) Elsevier

- Cor Pathology ( third edition) Elsevier

**2. Main references:**

**3. Recommended books and references:** text book of general pathology for dental students ( Springer) 2022

**4. Electronic references, websites:**

- Web path( <https://www.webpathology.com/>)  
. (/Pathology online ( <https://www.pathologyoutlines.com>