

Course Description Form

1. Course Name:					
Pathology					
2. Course Code:					
WBM-22-06					
3. Semester / Year: 2024					
Semester					
4. Description Preparation Date:					
2024-09-23					
5. Available Attendance Forms:					
presence in the classroom					
6. Number of Credit Hours (Total) / Number of Units (Total)					
30 Hours / 2Units					
7. Course administrator's name (mention all, if more than one name)					
Name: Aref alsayed Email: aref.alseyed@uowa.ed.iq					
8. Course Objectives					
Course Objectives		Pathology is the study of all structural and functional abnormalities (at the level of cells, tissues, organs and body fluids) that take place as a result of a disease.			
9. Teaching and Learning Strategies					
Strategy		•The objectives of this course include teaching the student's general pathology, enabling them to distinguish between various structural and functional abnormalities.			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Introduction to the pathology	Basic terminology in Pathology, Epidemiology, Etiology, Pathogenesis, Morphologic changes and Clinical features (signs and symptoms).	Lectures presented in PDF format	Daily exams + homework assignments + monthly exams
2	2	Diagnostic techniques used in pathology:	Histopathology, Cytopathology, Hematopathology, Immunohistochemistry, Microbiological examination, Biochemical examination, Cytogenetics, Molecular techniques, Autopsy, Biopsies and Types of Biopsies	Lectures presented in PDF format	Daily exams + homework assignments + monthly exams
3	2	Cell Injury and Cell Death	Causes of Cell Injury, Reversible Cell Injury, Cell Death, Necrosis, Apoptosis, Other Pathways of Cell Death, Mechanisms of Cell Injury and Death.	Lectures presented in PDF format	Daily exams + homework assignments + monthly exams
4	2		Causes of Inflammation, Sequence of Events in	Lectures presented in	Daily exams + homework

		Inflammation	Inflammation, Features of Acute and Chronic Inflammation, Radiation cell damage	PDF format	assignments + monthly exams
5	2	Tissue Repair	Angiogenesis, Clinicopathologic Features of Tissue Repair	Lectures presented in PDF format	Daily exams + homework assignments + monthly
6	2	Environmental and Nutritional Diseases:	Health Effects of Climate Change ,Toxicity of Chemical and Physical Agents - Environmental Pollution Air Pollution ,Metals as Environmental Pollutants Industrial and Agricultural - Exposures Effects of Tobacco Effects of Alcohol, Nutritional Diseases, Malnutrition, Vitamin Deficiencies, Diet and Systemic Diseases	Lectures presented in PDF format	Daily exams + homework assignments + monthly
7	2	Benign; malignant tumors and carcinogen	Benign; malignant tumors and carcinogen, Local symptoms, Systemic symptoms, Metastasis, Causes of cancers, Diagnosis of the cancer.	Lectures presented in PDF format	Daily exams + homework assignments + monthly
8	2	Hemodynamic dysfunctions:	Overview of Hemorrhage, Conditions that can cause bleeding, symptoms of bleeding - Overview Hyperemia, Types of hyperemia Causes of hyperemia, symptoms of hyperemia, Definition of the Infarction, Anemic infarcts, Hemorrhagic infarcts, Overview of the shock, causes of shock, Pathogenesis of Septic Shock, Stages of Shock.	Lectures presented in PDF format	Daily exams + homework assignments + monthly
9	2	Hemodynamic dysfunctions:	Thrombosis, Definition, Major factors in pathophysiology of thrombus and Origin of Thrombi at Different Sites - Embolism, Definition and Types, etiology, pathogenesis - Edemas, Definition, Clinical classification of oedema, Mechanism of oedema	Lectures presented in PDF format Atlas	Daily exams + homework assignments + monthly
10	2	Pulmonary Infection:	Tuberculosis (TB): Definition, Incidence, Major factors, HIV-	Lectures presented in PDF format	Daily exams + homework assignments + monthly

			associated Tuberculosis, Diagnosis and treatment – Pneumonia, Definition, causes, Diagnosis and treatment		
11	2	Disorders of the Upper Respiratory	: cute rhinitis Definition, causes and pathogenesis- Sinusitis Definition, causes and pathogenesis, Diagnosis - Laryngitis Definition, causes and pathogenesis, Diagnosis- A cute epiglottitis Definition, causes, pathogenesis and Diagnosis	Lectures presented in PDF format	Daily exams + homework assignments + monthly
12	2	Chronic Obstructive Pulmonary Disease (COPD):	Chronic bronchitis, etiopathogenesis and clinical features- Emphysema, Classification, Clinical Features.	Lectures presented in PDF format	Daily exams + homework assignments + monthly
13	2	Stem Cells	Sources of stem cells, Classification of stem cells on the basis of potency	Lectures presented in PDF format	Daily exams + homework assignments + monthly
14	2	Ischemic Heart Disease (IHD),	Ischemic Heart Disease (IHD), Definition, etiopathogenesis and effects of myocardial Ischemic, Hypertensive heart disease, Definition, etiopathogenesis and Rheumatic Fever, Incidence, etiopathogenesis	Lectures presented in PDF format	Daily exams + homework assignments + monthly
15	2	The Gastrointestinal Tract:	Congenital anomalies, Definition, etiopathogenesis- Muscular Dysfunctions, Definition, etiology and pathogenesis	Lectures presented in PDF format	Daily exams + homework assignments + monthly

11. Course Evaluation

- Daily exams with practical and scientific questions.
- Participation scores for difficult competition questions among students
- Establishing grades for environmental duties and the reports assigned to them
- Semester exams for the curriculum, in addition to the mid-year exam and final exam

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Robbins Basic Pathology (Vinay Kumar, Abul K. Abbas, Jon Aster)
Main references (sources)	Robbins essential pathology 2021 (Vinay kumar, Abul al some other blokes)
Recommended books and references (scientific journals, reports...)	2-Robbins essential pathology 2021 (Vinay kumar, Abul al some other blokes) (z-lib.org)

