نموذج
توصيف مقرر دراسي
بناءا علي المعايير الأكاديمية المبنية علي الكفايات
12/9/2026
(Accrediated)

جامعة: بنـها
كليــة: التمريض
قسم:الباثولوجي -كلية الطب البشري - جامعة بنها
تاريخ اعتماد التوصيف:2022/9/14
1-بيانات المقرر:

الفرقة / الفصل الدراسي الثانى **Second semester** **(Credit)**	**اسم المقرر: باثولوجي** **Pathology**	**MED121 الرمز الكودّ ى:**
Theory (2) hours ×15 weeks **Practice**----------	عدد الساعات التدريسية	**التخصص** :Bachelor Degree in Nursing Science

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- Aim of the course:

This course aims to acquire undergraduate students with special information about the different types of laboratory test samples, how to obtain them, and the interpretation of the results of various laboratory tests.

3-Course specification based on competency:

توصيف المقرر المبنى علّ الكفايات

Domain No. 1 : Professional and ethical practice

Competency	Key elements	Course Subjects	Subjects Objectives	Teaching Methods	Media used	Assessment Methods
Competence 1.1 . Demonstrate knowledge, understanding, responsibility and accountability of the legal obligations for ethical nursing practice.	1.1.4- Conduct responsibility and accountability for care within the scope of professional and practical level of competence.	Introduction to pathology.	1.1.4.1- Identify key terms of pathology.	Interactive lecture Discussion Critical thinking	Data Show PowerPoint presentation	- Final written exam - Final oral exam
		Inflammation and repair.	1.1.4.2- List causes and types of pathological changes occur in inflammation.	Educational video Blended learning Electronic learning	Data Show PowerPoint presentation	- Final written exam - Final oral exam
		-Infectious diseases.	1.1.4.3- Describe the causes and pathogenesis of the most important pathological problems	Self-learning Discussion Educational videos	Data Show PowerPoint presentation	- Final written exam - Final oral exam

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		-Laboratory diagnosis: cytology, biopsy, umor markers	1.1.4.4- Describe the growth and microscopic changes of the most important pathological problems.	Cooperative learning Blended learning Interactive lecture	Data Show PowerPoint presentation	- Final written exam - Final oral exam -

Domain No.2 :Holistic patients/clients care

Competency	Key elements	Course Subjects	Course objectives	Teaching Methods	Media used	Assessment Methods
Competence . Provide holistic and evidence-based nursing care in different practice settings.	2.1.1. Provide holistic patients/clients care focused on biopsychosocial and environmental assessment of health and illness in different setting.	-Growth disturbances and neoplasm.	2.1.1.1 - Differentiate between benign and malignant tumors.	Cooperative learning Blended learning Interactive lecture	Data Show PowerPoint presentation	- Final written exam - Final oral exam
			2.1.1.2 - Compare between methods of spread of malignant tumors.	Interactive lecture Blended learning Educational videos	Data Show PowerPoint presentation	Final written exam - Final oral exam
		-Laboratory diagnosis	2.1.1.3-Interpret the most important gross and microscopic changes of diseases	Discussion Blended learning Electronic learning	Data Show PowerPoint presentation	- Final written exam - Final oral exam
		-Pathology of cardio vascular system.	2.1.1.4- Discuss pathological changes that occur in edema and shock.	Educational video Blended learning Electronic learning	Data Show PowerPoint presentation	- Final written exam - Final oral exam

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Competency	Key elements	Course Subjects	Course objectives	Teaching Methods	Media used	Assessment Methods
		- Pathology of respiratory system	2.1.1.4- Compare between primary and secondary pulmonary tuberculosis.	Discussion Critical thinking Educational videos	Data Show PowerPoint presentation	- Final written exam - Final oral exam
	2.1.3 Apply holistic patients/clients care respecting individual and family diversity.	- Pathology and its related disciplines.	2.1.3.1- Interpreting in a professional manner pathology report with respecting people diversity.	Self-learning Blended learning Electronic learning	Data Show PowerPoint presentation	- Final written exam - Final oral exam
		- Circulatory disorders.	2.1.3.2-Differentiate between different circulatory disturbances	Electronic learning Discussion Interactive learning	Data Show PowerPoint presentation	- Final written exam - Final oral exam
		-Immune response and environmental diseases	2.1.3.3-Discuss the clinical symptoms and signs of the most important pathological problems.	Self-learning Discussion Interactive lecture	Data Show PowerPoint presentation	- Final written exam - Final oral exam

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Competency	Key elements	Course Subjects	Course objectives	Teaching Methods	Media used	Assessment Methods
Competence 2 . 2 Provide health educati the needs/problems patient/client within a nursing framework.	2.2.5 Communicate health information and o coordinate health education/promotion activities effectively according to patients/clients' needs.	- Cytology and biopsy	2.2.5.1- Identify the appropriate diagnostic of the most important pathological problems.	Discussion Critical thinking Educational videos	Data Show PowerPoint presentation	- Final written exam - Final oral exam
		- Pathology of blood	2.2.5.2- Discuss anemia and its types	Self-learning Discussion Interactive lecture	Data Show PowerPoint presentation	- Final written exam - Final oral exam
		- Pathology of nervous system (infections of brain)	2.2.5.3-perceive the pathogenesis of meningitis and brain abscess.	Cooperative learning Discussion Interactive lecture	Data Show PowerPoint presentation	- Final written exam - Final oral exam
		- Pathology of lymphoreticular system	2.2.5.4-Discrminate between Hodgkin's lymphoma and NonHodgkin's lymphoma.	Cooperative learning Blended learning Interactive lecture	Data Show PowerPoint presentation	- Final written exam - Final oral exam

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Domain 4: Informatics and technology

Competency	Key elements	Course Subjects	Subjects objectives	Teaching Methods	Media used	Assessment Methods
Competence 4. 1 Utilize information and technology to underpin health care delivery, communicate, manage knowledge and support decision making for patient care.	4.1.2. Employ technology and information management tools to support safe care and evaluate their impact on patient outcomes.	- Systemic pathology	4.1.2.1- Use computer effectively to retrieve data about in reaching pathological information to remain current with advances in knowledge and practice.	Interactive lecture Self-learning Cooperative learning	PowerPoint presentation	- Final written exam - Final oral exam
			4.1.2.2- summarize information technology during Interpret patient's data in an organized and informative manner.	Cooperative learning Blended learning Interactive lecture	Data Show PowerPoint presentation	Final written exam - Final oral exam
			4.1.2.3- Evaluate the benefits of computerized information management to overcome documentation obstacles.	Discussion Critical thinking Educational videos	Data Show PowerPoint presentation	Final written exam - Final oral exam
			4.1.2.4- Discuss the internet and other electronic sources as a mean of communicates and sources of information.	Self-learning Educational videos Blended learning	Data Show PowerPoint presentation	Final written exam - Final oral exam
		- Pathology of endocrine system	4.1.2.5-Discus pathogenesis of pituitary, thyroid and adrenal glands.	Interactive lecture Self-learning Cooperative learning	Data Show PowerPoint presentation	- Final written exam - Final oral exam

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General pathology: **Unit I: Introduction to pathology:** 1- Over view and orientation. 2- Pathology and its related disciplines. **Unit II: Inflammation and repair :** 1- Acute inflammation (Morphologic patterns e.g. abscess). 2- Chronic inflammation (Morphologic patterns e.g. granulomata). 3- Repair: regeneration – organization and healing in specialcondition . **Unit III: Infectious diseases.** 1- Viruses. 2- Bacteria. 3- Fungi. 4- Protozoa. 5- Helminths. **Unit IV: Cell injury:** 1-Cell response to injury: degenerative changes, necrosis and apoptosis. **Unit V: Immune response and environmental diseases:** 1- Immunity and hypersensitivity. 2- Immunodeficiency. 3- Autoimmunity. **Unit VI: Circulatory disorders.** **Unit VII: Growth disturbances and neoplasia:** 1- Hyperplasia – metaplasia – dysplasia- hypertrophy- atrophy- tumor like / benign tumor / malignant tumors. 2- Laboratory diagnosis: cytology, biopsy, tumor markers.	4- محتوى المقرر: **Course Contents**

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Systemic pathology:

Unit VIII:Pathology of cardio vascular system:

1- Blood vessels.
2- The heart.

Unit IX: Pathology of respiratory system:

1-Pharynx, larynx, trachea and bronchi (inflammation, carcinoma of bronchus).2-Lungs (pneumonia, emphysema, bronchiectasis, carcinoma of lungs).3-Pleura.

Unit X:Pathology of urinary system:

1- Kidneys (glomerulonephritis, nephritic syndrome, pyelonephritis, urinary calculi, hydronephrosis, neoplasm of the kidneys).
2- Bladder (cystitis,neoplasm).

Unit XI:Pathology of gastrointestinal tractsUnit XII:

Pathology of endocrinesystem:

1-Pituitary, thyroid, adrenal glands.

Unit XIII:Pathology of nervous system:

1- Congenital deformities (anencephaly, hydrocephalus, spina bifida, cerebral palsy).
2- Vascular diseases of brain.
3- Infections of brain (Meningitis, brain abscess).

Unit XIII:Pathology of blood and lymphoreticular system:

1- Anemia and its types (iron and folic acid deficiency, pernicious anemia, plastic anemia, hemolytic).
2- Leukemia 3-Agranulocytosis. 4-Lymphadenitis.
5- Hodgkin's lymphoma.
6- Non-Hodgkin's lymphoma.

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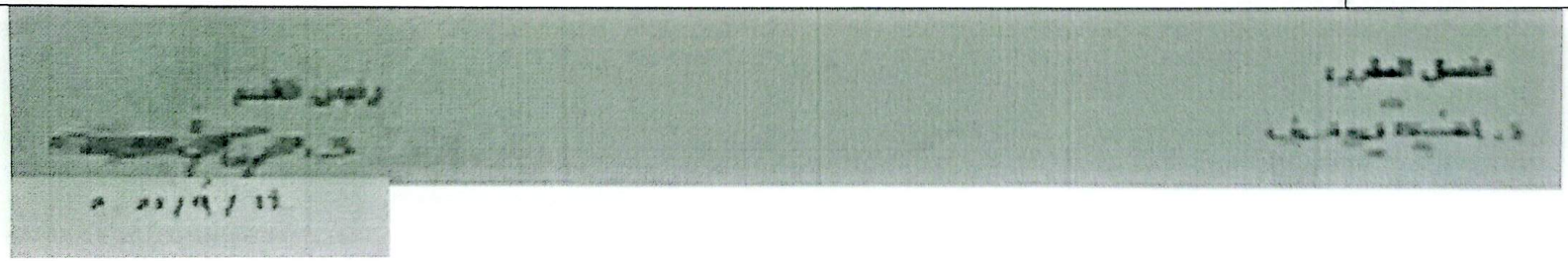
Interactive lecture Self-learning Cooperative learning Discussion Critical thinking Educational videos Blended learning Electronic learning	5-أساليب التعليم والتعلم: **Teaching and Learning Methods**

We do not have students with limited abilities, but there are methods of teaching and learning for defaulting students: - Activate academic supervision to solve students' problem. - The teaching academic members support the weakened students through library hours. - Revision lectures to default students.	6-أساليب التعليم والتعلم للطالب ذوي القدرات المحدودة **Teaching and Learning Methods of Disables**
Teaching and learning methods for excellent students: - Motivate the students to participate in available activites as sports, arts, culutures and science. - Motivate students to participate in activities directing to community services and environment development .	
Students Assessment: -الطالب:تقويم	
☐ Final written examination Final oral examination.	أ-الأساليب المستخدمة **Used Methods**
• Final written examination 16th week • Final oral examination 16th week	ب-التوقيت time:

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Final electronic exam	80	ج-توزيع الدرجات : **Marks distribution**
Final oral exam	20	
total	**100**	

References of List	8- قائمة الكتب الدراسية والمراجع
Amer R .(2022): Electronic book(CD) for pathology ,1st year ,faculty of medicine , Benha university	أ- مذكرات **Course note**
Kierszenbaum,A,and Tres,L,(2022): Histology and cell biology:AnIntroduction to pathology ,3rd ., Elsevier Health Sciences, New york	ب-كتب ملزمة **Required Books** **(Text Books)**
Brooks, H.(2021):general pathology for nurses,3rd .,john &sons London . **Reviews, C. (2022):):**Histology and cell biology:AnIntroduction to pathology ,2ND ed.,wiley company ,London **Moini, J. (2021):** AnIntroduction to pathology for the physical therapist assistant, 2nd ed ,Jones&barlett publishers ,united states of America.	ج-كتب مقترحة **Recommended Books**
http://www.med.sc.edu:85/book/welcome .htm **http://www.webpath.com** **http://www.emedicine.com** **http://www.pathologyoutlines.com** **http://Cms.nelc.edu.eg.**	**Periodicals, Web Sites**



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