

Course description form for the academic year

2022/2023

Course description

This course description provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he has made the most of the available learning opportunities. It must be linked to the program description

1. Teaching Institution	UNIVERSITY OF BASRAH
2. University Department/Centre	College of medicine , department of pathology and forensic medicine
3. Program Title	Cellular reaction to injury(cell adaptation-pathogenesis and causes, cell degeneration and cell death) Dr. Suadad Asim Abd-Alkader
4. Modes of Attendance offered	Annual Theoretical lectures and practical sessions
5. Term /year	1 st and second term
6. No. of annual teaching hours	12 hours per year (theory) 1 hour per week practical
7. Date of production/revision of this specification	2022/2023
<u>Aims of programme</u> <ol style="list-style-type: none">1. To acquire knowledge about the pathological bases of diseases, so that the student will be able to understand the clinical aspects of diseases2. Diagram of the pathogenesis of pathogens3. Describe the clinical findings and possible complications of infection in different age groups4. Follow-up of the patient's condition through histopathological examinations and blood tests5. Understanding and applying general facts in the field of pathology for third grade students6. Correlation between pathological changes and disease manifestations7. Understand the role of pathologists as part of an integrated medical team responsible for diagnosing a medical condition, and determining the appropriate treatment8. Focus on common diseases in our society and cancer9. Providing the ability to diagnose and treat toxic patients10. The ability to diagnose cases of blood diseases with a focus on common diseases in our society and diseases of leukemia and lymph nodes	

9. Learning Outcomes, Teaching, Learning and Assessment Methods

A. Cognitive goals

- A1. Strengthening the knowledge base of pathology and forensic medicine by developing and encouraging scientific research.
- A2. Enhancing distinguished programs of laboratory services to serve the community and encourage environmental development.
- A3. Knowing the types of diseases and the importance of diagnosing them accurately
- A4. Identify the types of laboratory tests in the field of histology and hematology
- A5. Adhere to the diagnostic criteria of the disease
- A6. Following up diseases and diagnosing cases of disease progression through

laboratory analyzes

B. The skills goals special to the programme .

- B1. Proper methods of collecting blood samples
- B2. How to preserve the tissue examination sample after its surgical removal, and the necessity of preserving it with a substance that preserves it from damage
- B3. Examination of the glass slides and diagnosis of the diseased condition of the

canine, as a result of the examination in a laboratory report

Teaching and Learning Methods

- Theoretical lectures and practical lessons

Assessment methods

- short exams
- Mid-year exams (theoretical and practical)
- End-of-year exams (theoretical and practical)

C. Affective and value goals

C1. Develop the idea of work and team spirit

C2. To develop moral behavior among students

C3. Maintaining the secrets of the patient

C4. Develop the concept of community service and follow the best method in dealing

with community members

Teaching and Learning Methods

-Theoretical lectures and medical reports

Assessment methods

- Note with daily evaluation
- Focus on professional behavior in lectures

D. General and Transferable Skills (other skills relevant to employability and personal development)

D1. How to diagnose diseases and their causes from a clinical point of view

D2. Investigating and diagnosing the disease and recommending modern laboratory, serological and radiological examinations

D3. Prevention and education of the community to reduce viral and bacterial infectious diseases

D4. Emphasis on early detection of cancerous diseases through screening programs

Using modern computer methods to save patient data

Teaching and Learning Methods

-Theoretical lectures and medical reports

Assessment methods

- Note with daily evaluation
Focus on professional behavior in lectures

10-course structure					
Assessment method	learning method	Name of the unit/course or topic	required learning outcomes	hours	week
Exams	Theoretical lectures and practical sessions	Cell injury, adaptation and cell death	<ul style="list-style-type: none">❖ Define adaptation, reversible and irreversible cell injury.❖ List the most important causes of cell injury.❖ Define and explain atrophy, hypertrophy and hyperplasia.❖ Define metaplasia.❖ To understand the mechanism of development of cell injury and differences in the ultra-structural features of reversible and irreversible cell injury.❖ Define intracellular accumulation❖ Define necrosis and describe various types of necrosis.❖ Define apoptosis and examples❖ list the differences between necrosis and apoptosis.❖ Define amyloidosis. Explain causes and clinical effects❖	12	1

11-Infrastructure	
Robbin's Basic Pathology 8th Edition; Kumar, Abbas, Fausto & Mitchell 2010	Required textbooks
Robbin's Basic Pathology 8th Edition; Kumar, Abbas, Fausto & Mitchell 2010 Currans atlas of gross and histopathology	Main references (sources)
Robbin's Basic Pathology 8th Edition; Kumar, Abbas, Fausto & Mitchell 2010 2-Muir's Text Book of Pathology, 13th Edition; Roderick N M MacSween & KeithWhaley 1994 3-Stevens: Core pathology, 3ed edition 2010. 4- Practical booklet 2010	Recommended books and references (scientific journals, reports (.....)
Pathology outlines Stevens: Core pathology, 3ed edition 2010.	Electronic references, websites

12.Course development plan

Students learning center

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رئيس فرع الامراض والطب العدلي