

Course Specification

University: Al Azhar

Faculty: Medicine

Department: **General Pathology**

1- Data of the course:

Code of the course: 301-path	Title of the course: Pathology for 3 rd year of MBBCH program	Year: 3rd of the MBBCh program Duration: 30 weeks
Specialty: General Pathology	Number of teaching units: 2 units General Special	Lectures: :120 hrs, Practical:90hrs Tutorail: 30 hrs Total: 240 hours

2- Objectives o the course:	<ol style="list-style-type: none"> 1. To provide a <i>core knowledge</i> of disease processes affecting the different systems, with particular reference to mechanisms and natural history of disease 2. To highlight the pivotal role of pathology in the prevention, diagnosis, treatment and prognosis of disease 3. The curriculum should emphasize the importance of clinic-pathological communication and appropriate use of laboratory investigations for pathology services to be used effectively and economically. 4. Finally, the curriculum should stimulate students' interest in pathology so that they will read and expand their core knowledge as a basis for their professional life whatever career they follow.
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3- ILOs

A- Knowledge and understanding:	<p><i>By the end of the course, students should be able to:</i></p> <ol style="list-style-type: none"> 1. Define and discuss the main disease categories that may affect the body (general pathology) as well as the basic mechanisms underlying these disorders (etiology, pathogenesis & natural history) 2. Describe the morphologic (gross & microscopic) changes occurring as a result of such disease processes in various organ systems. 3. Determine the fate & complications of each particular disease.
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B- Intellectual Skills:	<p><i>By the end of the course, students should be able to:</i></p> <ol style="list-style-type: none"> 1. Predict the signs and symptoms of a disease based on the underlying gross & microscopic tissue changes. Thereby enabling the student recognize patients with life/organ threatening conditions 2. Interpret a pathology report 3. Choose the most appropriate pathologic diagnostic procedures 4. Select the necessary techniques for sample reception & processing according to the nature of specimen received
C- Professional Skills:	<p><i>By the end of the course, students should be :</i></p> <ol style="list-style-type: none"> 1. Prepared for their upcoming clinical training 2. Able to diagnose and fully report or describe the pathologic picture of a disorder based on gross or microscopic morphology.
D- General and transferable Skills:	<p><i>By the end of the course, students should:</i></p> <ol style="list-style-type: none"> 1. Appreciate the importance of lifelong learning and show a strong commitment to it. 2. Use the sources of biomedical information to remain current with the advances in knowledge & practice 3. Frame a question, search the literature, collect, analyze, critically appraise and utilize the obtained information to solve a particular clinical problem according to the principles of evidenced based medicine 4. Respond appropriately according to the seriousness of the pathologic diagnosis in an acceptable humane manner, treating the patient as a whole rather than a lesion or specimen 5. To maintain a professional image in manner, dress, speech and interpersonal relationships that is consistent with the medical profession's accepted current standards in the community 6. To identify difficult ethical situations and how to properly deal with them 7. To express themselves freely and adequately by improving their descriptive capabilities and enhancing their communication skills 8. To respect his colleagues and a commitment to cooperate with other members of the department

<p>4- Course Content:</p>	<ol style="list-style-type: none"> 1. Introduction to PATHOLOGY & its related disciplines 2. Cell adaptation & injury and tissue deposit 3. Inflammation & Repair 4. Immunopathology (including amyloidosis) 5. Bacterial & Parasitic diseases 6. Fungal & viral infections (+AIDs) 7. Circulatory Disturbances 8. Disturbances of Growth & Neoplasia <p><i>Topics of Systematic Pathology</i></p> <ol style="list-style-type: none"> 9. Cardiovascular System 10. Respiratory System &Head and Neck Pathology 11. Kidneys and Urinary Tract 12. Male Genital Tract 13. Alimentary System 14. Liver, biliary tract and exocrine pancreas 15. Female Genital Tract &Diseases of the Breast 16. The Lymphoid System 17. Endocrine System 18. Bones, Joints, soft tissue 19. Skin 20. Central and Peripheral Nervous System <hr/>
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<p>5- Methods of teaching:</p>	<ol style="list-style-type: none"> 1- General lectures 2- Practical sessions <ol style="list-style-type: none"> a- Histopathology slide lab b- Museum of pathology & fresh surgical samples 3- Tutorials, seminars, Interactive learning: discussions, case studies and oral presentations 4- E-learning
<p>6- Methods of teaching of handicaps</p>	<p>Not present</p>

7- Students evaluation and assessment:

A- Method of assessment:	<u>ASSESSMENT TOOLS:</u>	
	TOOL	PURPOSE
	Written exam	Assessment of knowledge & understanding, intellectual skills
	Oral exam	Assessment of knowledge & understanding, general and transferable skills (communication), professional attitudes/skills & intellectual skills
	Practical exam	Descriptive & diagnostic abilities and theory application (intellectual skills) and professional / practical skills & general and transferable skills
	End of year essay and presentation	Assessment of knowledge & understanding Assessment of general and transferable skills (lifelong learning skills & presentation skills)
	Interactive learning	Assessment of knowledge & understanding, intellectual skills & Assessment of lifelong learning skills, ethical attitudes & communication skills
	Log book (attendance & grade record)	Assessment of attendance- discussion participation- quizzes/drills & activities evaluation (intellectual skills and professional / practical skills
B- Time of assessment	<u>TIME SCHEDULE:</u>	
	EXAM	WEEK
	Continuous assessment exams	Monthly exams; 5 in number all over the year
	Final exam	Second half of May
	Practical exam	After finishing final written exam

C- Allocated marks/Distribution

EXAMINATION DESCRIPTION:

Examination	Description	Marks allocated	% to the total
Short essay and presentation	A short essay prepared and presented by 4-5 students	10 marks	3.3 %
Continuous assessment exam	Monthly exams; 5 in number: 10 marks each	50 marks	16.7%
Final written exam. General & Systematic Pathology	3 hour-exam: 40 MCQs: 40 marks 4 cases: 10 marks each: 40 marks 5 Short essay questions: 20 marks	100 marks	33.3 %
Practical exam.	Report on 5 slides: 10 marks each Report on 5 museum specimen jars: 10 marks each 2 photos + MCQ: 10 marks each	120 marks	40%
Oral exam.	Covers topics in general & systematic pathology: 1 / 2 examiners	20 marks	6.7 %
TOTAL		300	100%

8- Teaching books, notebooks, and references:

<p>- Books/Notebooks:</p>	<p>SUGGESTED MATERIAL</p> <ul style="list-style-type: none"> • Department tutorials & practical data shows, available in the department for department use
<p>- References:</p>	<ul style="list-style-type: none"> • Recommended Textbook : <p>Basic Pathology by Kumar, Cotran& Robbins - or General & systemic pathology J.C.E Underwood 6th.edition Livingstone- or</p> <ul style="list-style-type: none"> • Available at faculty bookshops & main library • Important web sites <p>http://www.kasralainy.edu.eg/elearning/ http://www.pathmax.com/ http://www-medlib.med.utah.edu/WebPath/LABS/LABMENU.html#2 http://www.med.uiuc.edu/PathAtlasf/titlePage.html http://www.medscape.com/pathologyhome http://www.gwumc.edu/dept/path/2F.HTM http://www.path.uiowa.edu/virtualslidebox/ http://www.virtualpathology.leeds.ac.uk/ http://pathology.class.kmu.edu.tw/index.htm http://www.gla.ac.uk/faculties/medicine/teaching/MedCALlist.htm</p>

Head of the department

Course Coordinator: