

Course Specification

University: Al-Azhar

Faculty: Medicine

Department: **Medical Parasitology**

1- Data of the course:

Code of the course: 303-Par	Title of the course: Medical Parasitology	Year: 3rd year MBChB
Specialty: Medical Parasitology	Number of teaching units:	Lectures: 60 hours Total: 120 hrs Practical: 60 tutorial

2- Objectives of the course:	<p>To provide students with knowledge concerning biological, epidemiological and ecological aspects of parasites causing diseases to humans.</p> <p><input type="checkbox"/> To enable students to understand the pathogenesis, clinical presentations and complications of parasitic diseases.</p> <p><input type="checkbox"/> To enable students to reach diagnosis and know the general outline of treatment, prevention and control of parasitic infections</p> <p>-To provide students with adequate knowledge about endemic parasites and national parasitic problems as well as re-emerging parasitic infection.</p>
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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. Describe the world distribution of important parasitic infections and the epidemiologic principles and the effect of social and demographic patterns on parasitic disease and vulnerability. 2. Describe the common parasitic diseases and life-threatening conditions caused by helminthes and protozoa as regards etiology and life cycle of parasites of medical importance. 3. Describe the common diseases caused by helminthes and protozoa as regards pathogenesis, clinical features differential diagnosis and complications. 4. Point out the methods of recovery of parasites and their culture methods as well as immunological and molecular methods used for diagnosis of parasitic infections. 5. Define the principles of management for common parasitic diseases and life-threatening conditions.
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	<p>6. Outline methods of disease prevention.</p> <p>7. Describe the common diseases caused by arthropods of medical interest as regards etiology, pathogenesis, clinical features and methods of combat.</p> <p>8. Describe molecular, biochemical and cellular mechanisms that occur in the body of humans infected with parasites.</p> <p>9. Recognize safety procedures relevant to parasitic diseases during practical</p>
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. Analyze the results obtained from history, clinical examination and investigational data into meaningful diagnostic formulation. (using case study). 2. Interpret clinical and investigational data with evidence based knowledge and skill of deductive reasoning for clinical problem solving. (using case study).
C- Professional Skills:	<p><i>By the end of the course, students should be able to:</i></p> <ol style="list-style-type: none"> 1. Perform practical skills relevant to the future practice, as to identify different parasites in tissue sections and demonstrate their reactions in such tissues by naked eye (Jars). 2. Use the microscope to identify diagnostic stages of parasites in blood, urine, stool or tissue samples.
D- General and transferable Skills:	<p><i>By the end of the course, students should be able to:</i></p> <ol style="list-style-type: none"> 1. Use computers efficiently in reaching biomedical information to remain current with advances in knowledge and practice (research assignments). 2. Present information clearly in written, electronic and verbal forms (research assignments). 3. Apply English language as needed for appropriate learning and communication in relation to medicine. 4. Respect and follow the institutional code of conduct. 5. Respect the role of staff and co-staff members regardless of degree or occupations.

4- Course Content:	Subject	Lectures Hours	Tutorial Hours	Practical Hours	Total Hours
	1. Introduction to parasitology	1			1
	2. Helminthology, Trematodes And Cestodes	11	3	9	23
	3. Introduction to Nematodes, intestinal and tissue nematodes	14	4.5	13.5	32
	4. Protozoology, Intestinal, Urogenital, Blood and Tissue protozoa	18	4	11	33
	5. Immunology And molecular parasitology	5			5
	6. Entomology	11	4	11	26
	Total	60	15.5	44.5	120

5- Methods of teaching:	-Lectures: Division of students into 5 groups 2 hours /week. -Tutorials: half hour / week within the practical class -Practical classes: one and half hour / week
6- Methods of teaching of handicaps	Not present

7- Students evaluation and assessment:

A- Method of assessment:	<p>A) ATTENDANCE CRITERIA: Faculty bylaws</p> <p>B) ASSESSMENT TOOLS:</p> <p style="text-align: center;">Tool Purpose (ILOs)</p> <p>Written examination:- To assess knowledge and understanding. Also intellectual skills</p> <p>Oral examination: To assess knowledge and understanding & general and transferable skills ILOs</p> <p>Practical examination:- To assess of knowledge and understanding and professional skills ILOs</p>
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B- Time of assessment	1- First half of the academic year 12th week 2- Mid-year exam 15th week 3- Second half of the academic year 25th weeks 4- Practical exam 29th week 5- Final exam 30th week																														
C- Allocated marks/Distribution	<table border="1"> <thead> <tr> <th data-bbox="643 490 798 517">Examination</th> <th data-bbox="836 490 1023 517">Marks allocated</th> <th data-bbox="1086 490 1289 517">% of Total Marks</th> </tr> </thead> <tbody> <tr> <td data-bbox="643 517 798 544">1- First half</td> <td data-bbox="874 517 984 544">(Quiz) 2.5</td> <td data-bbox="1139 517 1198 544">1.7%</td> </tr> <tr> <td data-bbox="643 544 798 571">2- Mid-year</td> <td data-bbox="900 544 927 571">20</td> <td data-bbox="1139 544 1225 571">13.33%</td> </tr> <tr> <td data-bbox="643 571 798 598">3- Second half</td> <td data-bbox="874 571 984 598">(Quiz) 2.5</td> <td data-bbox="1139 571 1198 598">1.7%</td> </tr> <tr> <td data-bbox="643 598 798 624">4- Final exam:</td> <td></td> <td></td> </tr> <tr> <td data-bbox="671 624 798 651">a- Written</td> <td data-bbox="900 624 927 651">75</td> <td data-bbox="1139 624 1198 651">50%</td> </tr> <tr> <td data-bbox="671 651 798 678">b- Practical</td> <td data-bbox="900 651 927 678">30</td> <td data-bbox="1139 651 1198 678">20%</td> </tr> <tr> <td data-bbox="671 678 798 705">c- Oral</td> <td data-bbox="900 678 927 705">15</td> <td data-bbox="1139 678 1198 705">10%</td> </tr> <tr> <td data-bbox="643 705 798 732">5- Assignments & other activities</td> <td></td> <td data-bbox="1139 705 1225 732">5 3.33%</td> </tr> <tr> <td data-bbox="643 732 798 759">Total</td> <td data-bbox="900 732 927 759">150</td> <td data-bbox="1139 732 1198 759">100%</td> </tr> </tbody> </table>	Examination	Marks allocated	% of Total Marks	1- First half	(Quiz) 2.5	1.7%	2- Mid-year	20	13.33%	3- Second half	(Quiz) 2.5	1.7%	4- Final exam:			a- Written	75	50%	b- Practical	30	20%	c- Oral	15	10%	5- Assignments & other activities		5 3.33%	Total	150	100%
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8- Teaching books, notebooks, and references:

<ul style="list-style-type: none"> - Books/Notebooks: - References: 	List of references: <ul style="list-style-type: none"> - Basic materials: e.g. Department book 2- Essential books (text books): 4- Web sites: Facilities used for teaching this course include: <ul style="list-style-type: none"> - Lecture halls - Small group classes - Laboratory - Information technology
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Head of the department:

Course Coordinator: