

Course Specification

University: Al-Azhar

Faculty: Medicine

Department: **Ophthalmology**

1- Data of the course:

Code of the course: 403-opth	Title of the course: Ophthalmology for the 4 th year of MBChB program	Year: 4 th year of the MBChB program Duration : 8 months (32 weeks)
Specialty: Ophthalmology	Number of teaching units: 18 units	Lectures: 60 hrs Total: 64 hrs Clinical: 60 hrs Tutorial: 30 hrs

2- Objectives of the course:	<ol style="list-style-type: none">1. To enable students to be familiar with normal structure of the eye.2. To enable students to give basic health care and preventive measures to limit endemic diseases of the eye.3. To enable students to recognize common causes of visual loss and their management planes.4. To enable students to recognize emergency cases and guidelines for referral to the specialist in addition to provision of primary management.5. To enable students to understand the idea of different assisting ophthalmic devices.6. To develop an appropriate knowledge, skills and attitude necessary for current clinical practice to become competent in diagnosis, differential diagnosis and the ability to formulate an appropriate management of common health problems.7. To develop appropriate knowledge and skills to formulate and carry out (where possible) an appropriate, preventive and curative role.8. To be able to recognize and manage conditions that require urgent intervention and to apply appropriate primary measures for them.9. To develop positive attitude of continuous medical education and promotion of professional skills and research capabilities.
-------------------------------------	--

3- ILOs

<p>A- Knowledge and understanding:</p>	<p>By the end of this course, all students will acquire knowledge and systematic understanding of:</p> <ol style="list-style-type: none"> 1- Identify the magnitude of blindness in Egypt and its main causes 2- Principles of management of major ophthalmic emergencies 3- Describe effect of local and systemic diseases on the patient's vision and the necessary action required to minimize the sequelae of such diseases 4- Describe causes, pathogenesis, clinical symptoms and signs of common ocular diseases and principles of management. 5- Describe causes, pathogenesis, clinical symptoms and signs ocular manifestations associated with systemic diseases and principles of management. 6- Recognize the clinical manifestations and differential diagnosis of common Ophthalmology diseases. 7- Describe appropriate management for common diseases affecting the eye. 8- Outline the management of emergencies and priority of management. 9- Identify adverse drug reactions with special reference to ophthalmic manifestations 10- Recognize the role of Primary Health Centers 11- Recognize prevention of diseases transmission in cases of infectious diseases. 12- Integration of the National programme for control of blindness with the other National health programmes
<p>B- Intellectual Skills:</p>	<ol style="list-style-type: none"> 1. Make diagnostic and therapeutic decisions based on clinical judgment. 2. Interpret the laboratory data as well as the imaging (radiological) result. 3. Interpret ophthalmic signs in relation to common systemic disorders. 4. Determine the appropriate diagnostic tools to aid in the diagnosis of common ophthalmic problems. 5. Determine therapeutic lines for important and basic ophthalmic health care. 6. Eye care education for prevention of eye problems.
<p>C. Professional Skills:</p>	<p>By the end of the course student will be able to:</p> <ol style="list-style-type: none"> 1. Elicit a history pertinent to general health and ocular status. 2. Make proper physical examination both general and local ocular examination. 3. Perform diagnostic procedures such as visual acuity testing, examination of the eye, tonometry, staining for corneal pathology, confrontation perimetry, subjective refraction including correction, ocular motility assessment, pupillary examination and basic

	<p>funduscopy and cover test for squint.</p> <ol style="list-style-type: none"> 4. Perform therapeutic procedures such as incision for sty and chalazion, corneal/conjunctival foreign body removal, and tarsorrhaphy. 5. Provide first aid in major ophthalmic emergencies and make proper referral to specialist. 6. Use effective means of communication with the public and individuals to motivate them for surgery for cataract, glaucoma, and for eye donation as well. 7. Present patient data in an organized and informative manner. 8. Elicit a history pertinent to general health and ocular status. 9. Make proper physical examination both general and local ocular examination. 10. Perform diagnostic procedures such as visual acuity testing, examination of the eye, tonometry, staining for corneal pathology, confrontation perimetry, subjective refraction including correction, ocular motility assessment, pupillary examination and basic funduscopy and cover test for squint. 11. Provide first aid in major ophthalmic emergencies and make proper referral to specialist. 12. Present patient data in an organized and informative manner.
<p>D- General Skills:</p>	<p>By the end of the course the student will be able to:</p> <ol style="list-style-type: none"> 1- Apply ethical principles to clinical work, such as to display patience and kindness. 2- Avoid frightening of the patients and accept the unsuitable behavior of patients. 3- Deal with the patient as a person not as a disease. 4- Keep all his/her private information about his/her illness confidential. 5- Deal properly with the patient, keep respecting him and evaluate well his/her worry about being ill. 6- Respect his colleagues and a commitment to cooperate with them. 7- Exhibit and display a professional image (professional look), following the Islamic code of medical ethics. 8- Establish rapport with his seniors, colleagues and paramedical workers, so as to effectively function as a member of the eye care team.

4- Course Content:	1-Anatomy, Embryology and physiology of the eye and visual system
	2-Optics of the eye and visual system
	3-Diseases of the eyelids.
	4-Diseases of the lachrymal system
	5-Diseases of the orbit
	6-Diseases of the conjunctiva
	7-Diseases of the cornea
	8-Diseases of the Sclera
	9-Diseases of the Uveal system
	10-Disorders of the lens
	11-Refractive errors of the eye and their management
	12-Glaucoma and its management
	13-Diseases of the vitreous body
	14-Diseases of the retina
	15-Diseases of the optic nerve
	16-Traumatic and chemical injuries to the eye and orbit
	17-Intraocular tumours
	18-The eye and systemic manifestation of systemic diseases

5- Methods of teaching:	<p>A. Lectures</p> <p>B. Clinical Rounds (Classes).</p> <p>C. Group teaching (tutorials)</p> <p>D. A yearly scientific day for students in the form of student's presentations. The titles of the subjects are determined during several meeting with staff.</p>
6- Methods of teaching of handicaps	Not present

7- Students evaluation and assessment:

<p>A- Method of assessment:</p>	<p>I. Attendance criteria: The minimum acceptable attendance in the clinical and tutorial classes is 75%. Students fail to attend the required percentage will not be allowed to attend the final exam.</p> <p>II. Assessment tool:</p> <table border="1"> <thead> <tr> <th>Tool</th> <th>Purpose</th> </tr> </thead> <tbody> <tr> <td>Written examination</td> <td>Assessment of knowledge and understanding</td> </tr> <tr> <td>Clinical examination</td> <td>Assessment of clinical, intellectual and general skills</td> </tr> <tr> <td>Oral examination</td> <td>Assessment of attitude, knowledge and understanding</td> </tr> <tr> <td>Log book</td> <td>Assessment of sharing in the scientific day (once a year) and the overall activities during the academic year. ?</td> </tr> </tbody> </table>	Tool	Purpose	Written examination	Assessment of knowledge and understanding	Clinical examination	Assessment of clinical, intellectual and general skills	Oral examination	Assessment of attitude, knowledge and understanding	Log book	Assessment of sharing in the scientific day (once a year) and the overall activities during the academic year. ?						
Tool	Purpose																
Written examination	Assessment of knowledge and understanding																
Clinical examination	Assessment of clinical, intellectual and general skills																
Oral examination	Assessment of attitude, knowledge and understanding																
Log book	Assessment of sharing in the scientific day (once a year) and the overall activities during the academic year. ?																
<p>B- Time of assessment</p>	<p>A. Continuous assessments throughout the whole year</p> <p>B. Formative examination: Mid-year exam: February. (Student knows his marks after the formative exam).</p> <p>C. Final examination: In June. Those who fail to pass the final exam or postpone he can enter the final exam re-held in September.</p>																
<p>C- Allocated marks/Distribution</p>	<p>III. Grading system:</p> <table border="1"> <thead> <tr> <th colspan="2"><i>Examination</i></th> <th><i>Marks allocated</i></th> </tr> </thead> <tbody> <tr> <td colspan="2">Mid-year examinations</td> <td>50</td> </tr> <tr> <td rowspan="3">Final examination</td> <td>Written</td> <td>100</td> </tr> <tr> <td>Oral</td> <td>80</td> </tr> <tr> <td>clinical</td> <td>20</td> </tr> <tr> <td colspan="2">Total</td> <td>250</td> </tr> </tbody> </table> <p>A. The minimum passing score is 90 marks, provided at least 30 marks are obtained in the written exam.</p> <p>B. Passing grades are: Excellent $\geq 85\%$, very good $75\% \leq 85\%$, good $65\% \leq 75\%$ and fair $60\% \leq 65\%$.</p>	<i>Examination</i>		<i>Marks allocated</i>	Mid-year examinations		50	Final examination	Written	100	Oral	80	clinical	20	Total		250
<i>Examination</i>		<i>Marks allocated</i>															
Mid-year examinations		50															
Final examination	Written	100															
	Oral	80															
	clinical	20															
Total		250															

8- Teaching books, notebooks, and references:

<p>- Books/Notebooks: References:</p>	<p>I. Basic materials: A. Overhead projections and computer presentations used during teaching in tutorial classes. B. Manual of clinical examination.</p> <p>II. Suggested materials (recommended books): A. The Ophthalmic Department Book. . B. Parson's Ophthalmology C. Current Ophthalmology diagnosis & treatment D. Kanski Clinical Ophthalmology.</p>
---	--

Head of the department

Course Coordinator: