



# Undergraduate Course Specification

## OPHTHALMOLOGY

- **University:** Aswan
- **Faculty:** Medicine
- **Department offering the course:** Ophthalmology Department
- **Academic year:** Fourth year of M.B.B.Ch

### A-Basic Information

**Title:** Ophthalmology

**Credit Hours:**

- **Tutorial:** 39 Hours
- **Lectures:** 64 Hours
- **Practical:** 78 Hour

### B- Professional Information

**1- Overall aims of the course**

By the end of the course the student should has:

- 1) Knowledge about common ophthalmic diseases
- 2) Skills of dealing with ophthalmic emergencies
- 3) Capability of referring to higher level of specifications



- 4) Transferable skills of basic ophthalmic care and preventive measures to community
- 5) Integration of progress in ophthalmic knowledge and ability of self education

## **2-Intended learning outcome of course (ILOS)**

### **a) Knowledge and understanding:**

- a1) to identify manifestation of common ocular disorders
- a2) to recognize the ocular manifestations of the systemic disease
- a3) to define the main therapeutic lines of ophthalmic health care

### **b) Intellectual skills:**

- b1) to interpret the most important ophthalmic symptoms and signs
- b2) to interpret the basic investigations related to ophthalmic disease
- b3) to solve simple ophthalmic clinical problems

### **c) Professional and practical skills:**

- c1) to practice basic ophthalmic examination
- c2) to provide first aids in ophthalmic emergencies

### **d) General and transferable skills**

- d1) to perform general medical examination
- d2) transfer skills of ophthalmic care and preventive measures



### **3- Course contents:**

	<b>No. of Hours</b>	<b>Lectures</b>	<b>Tutorial/ practical</b>
<b>Anatomy and physiology of the eye</b>	3	1	2
<b>Eye lids</b>	12	4	8
<b>Lacrimal system</b>	6	2	4
<b>Conjunctiva &amp; sclera</b>	15	5	10
<b>Cornea</b>	12	4	8
<b>Uvea</b>	12	4	8
<b>Lens and cataract</b>	12	4	8
<b>Glaucoma</b>	12	4	8
<b>Orbit</b>	9	3	6
<b>Errors of refraction</b>	12	4	8
<b>Strabismus</b>	15	5	10
<b>Retina and vitreous</b>	18	6	12
<b>Optic nerve &amp; neuro ophthalmology</b>	6	2	4
<b>Eye injuries</b>	6	2	4
<b>Tumors</b>	6	2	4
<b>The eye and systemic diseases</b>	6	2	4
<b>The eye and drugs</b>	3	1	2
<b>Laser in ophthalmology</b>	3	1	2
<b>Revision</b>	13	8	5



#### **4- Teaching and learning methods**

- 4.1) data-show presentations
- 4.2) clinical rounds
- 4.3) video presentations
- 4.4) out patients clinics
- 5.5) small groups attending ophthalmic operative theatre

#### **Clinical Activities:**

**I-Clinical rounds:** direct contact with clinical cases to acquire the skills of dealing with the patients, history taking, identifying physical signs and interpretation of data to achieve differential diagnosis

#### **II-Additional Activities:**

- a. Video presentations of the common ophthalmic surgical procedures
- b. Power point presentations of images for different clinical signs and clinical problem solving
- c. Attending the ophthalmic out-patient clinic

#### **5- Student assessment methods**

- 5.1) written exams to assess knowledge and understanding of subjects
- 5.2) MCQ exams to assess knowledge, interpretation and criticism
- 5.3) oral exams to assess communication abilities and judgement
- 5.4) clinical exams to assess clinical skills and ability to solve clinical problems



## Assessment schedule

- Clinical exams held 5 times / year once for each group Mid-term MCQ exam
- Final exams at the end of academic year
- Formative oral exams for each group at the end of clinical round and formative MCQ exam before the mid-term exam

## Weighting of assessments

<b>Periodic clinical exams</b>	<b>50 marks</b>	<b>20%</b>
Midterm clinical exams	30 marks	
regular attendance of rounds	10 marks	
regular attendance of the lectures	10 marks	
<b>Final exam</b>		
Written exam	125 marks	<b>50%</b>
Written	100 marks	
MCQ	25 marks	
Oral exam	35 marks	<b>14%</b>
Clinical exam	40 marks	<b>16%</b>
<b>Total score</b>	<b>250 marks</b>	<b>100%</b>



## **6- List of references:**

6.1 El-Minya ophthalmology department notes

6.2 El-Refai ophthalmology book

6.3 American academy series

6.4 Kanski clinical ophthalmology

6.5 Periodic:

British Journal of Ophthalmology

Ophthalmology

## **7- Facilities required for teaching and learning**

Desktops, laptops, data- show systems and models for clinical rounds and tutorials

### **Course coordinator:**

Professor: Abdalla Mohamed El Amin abdalla

### **Head of department:**

Professor: Abdalla Mohamed El Amin abdalla