

**University: Benha**  
**Course specifications**

**Faculty of Medicine**

Programme(s) on which the course is given: MBBCH

Major or Minor element of program: NONE

Department offering the program: Ophthalmology Department

Department offering the course: Ophthalmology Department

Academic year / Level: Forth Year / under graduate level

Date of specification approval: 9/2010

### **A- Basic Information**

**Title: Ophthalmology for undergraduate**

**Code:** Medicine 07 11

**Credit Hours:**      **Lecture:** 2 hrs/week for 20 weeks (40 hrs)

**Tutorial:**              **Practical:** 15 hrs/week for 7 weeks (105 hrs)

**Total:** 145 hrs

### **B- Professional Information**

#### **1 – Overall Aims of Course**

To enable students to:

- Be familiar with normal structure of the eye
- Give basic health care and preventive measures to limit endemic diseases affecting the eye.
- Recognize common causes of visual loss and their management.
- Recognize emergency ophthalmic cases and how to deal with.

#### **2 – Intended Learning Outcomes of Course (ILOs)**

##### **a- Knowledge and Understanding:**

*By the end of the course, students should be able to:*

- a1- Describe the clinical symptoms and signs of common ocular diseases.
- a2- Describe the clinical symptoms and signs of ocular manifestation associated with systemic diseases.
- a3- Describe the causes and pathogenesis of the most common ophthalmic problems.
- a4- Determine the appropriate tools to aid in the diagnosis of common ophthalmic problems.
- a5- Outline the management of emergencies and priority of management.
- a6- Describe appropriate management for common diseases affecting the eye.
- a7- Determine therapeutic lines for important and basic ophthalmic health care.

## **b- Intellectual Skills**

*By the end of the course, students should be able to:*

- b1- Interpret the most important symptoms and signs of diseases in ophthalmic patients.
- b2- Interpret basic investigations related to important ocular diseases.

## **c- Professional and Practical Skills**

*By the end of the course, students should be able to:*

- c1- Take a proper history for the patient .
- c2- Present patient data in an organized and informative manner.
- c3- Perform adequate basic ophthalmic examination to identify deviations from normal.
- c4- Perform a proper clinical assessment of the ophthalmic problems.
- c5- Recognize different ophthalmic emergencies.

## **d- General and Transferable Skills**

*By the end of the course, students should be able to:*

- d1- Present patient's data in an organized and informative manner.
- d2- Communicate effectively with patients using appropriate communication skills
- d3- Demonstrate appropriate professional attitudes and behaviors in different practice situations.

## **3- Contents**

### **a- Lectures**

the staff members sharing one topic will alternate to teach the same hours to different groups A,B,C and D; (one staff member for each group).

<b>TOPIC</b>	<b>No of hours</b>	<b>Lecturer</b>
1 Lid	2	Prof. Dr. Hazem El Fiky Assist. Prof. Dr. Osama Kamal
2 Conjunctiva	3	Prof. Dr. Ayman Abdelsalam Prof. Dr. Mohamed Hany El Heto
3 Lacrimal System & Orbit	2	Prof. Dr. Waheed Orouq Prof. Dr. Hamdi El Gazzar
4 Cornea	2	Prof. Dr. Tarek Zaghloul Prof. Dr. Mohamed Hegazi
5 Lens	2	Prof. Dr. Tareq Aboul-Nassr Prof. Dr. Sherif Naguib
6 Uvea & Pupil	3	Prof. Dr. Ayman Nassar Assist. Prof. Dr. Ayser Fayed
7 Glaucoma	3	Prof. Dr. Amro Shaarawy Assist. Prof. Dr. Mohamed Ramadan
8 Errors of refraction	2	Prof. Dr. Fawzi El Shahed Prof. Dr. Ashraf El Shayeb

9	Strabismus	3	Prof. Dr. Essam El Matbouli Prof. Dr. Salwa Riad
10	Retina	3	Prof. Dr. Essam Shohayeb Assist. Prof. Dr. Ashraf El Habbak
11	Vitreous	1	Prof. Dr. Mohamed Attia
12	Optic nerve & Visual pathway	2	Prof. Dr. Khalid Gamil Dr. Ahmed Sheren
13	Neuro-Ophthalmology	1	Prof. Dr. Hany Salem
14	Systemic Diseases	2	Prof. Dr. Mostafa Haikal
15	Trauma	1	Assist. Prof. Dr. Haythem Fayek
16	Lasers	2	Prof. Dr. Abdel Moneim Hamed
17	Clinical problems	2	Prof. Dr. Yousry Fekry
18	Ocular Symptoms	2	Prof. Dr. Hamdi El Gazzar

## **b- Clinical rounds**

1. General basic introduction (anatomy, physiology and optics)
2. How to write an ophthalmic examination sheet
3. Methods of examination
4. Clinical aspects in: Lid
5. Clinical aspects in: Conjunctiva
6. Clinical aspects in: Lacrimal system
7. Clinical aspects in: Iris
8. Clinical aspects in: Pupil
9. Clinical aspects in: Anterior chamber (glaucoma)
10. Clinical aspects in: Lens
11. Clinical aspects in: Uveal tract
12. Clinical aspects in: Retina
13. Clinical aspects in: Vitreous
14. Clinical aspects in: Optic nerve
15. Formal examination
16. Clinical aspects in: Ocular motility (extraocular muscles)
17. Clinical aspects in: Orbit
18. Clinical aspects in: Errors of refraction
19. Clinical aspects in: Systemic diseases
20. Clinical aspects in: Trauma & emergencies
21. Clinical aspects in: Ocular drugs
22. Clinical aspects in: Operative orientation
23. Clinical aspects in: Lasers in Ophthalmology

24. Clinical aspects in: Orientation for investigative procedures
25. Formal examination
26. Case presentations
27. Red eye
28. Causes of vision loss
29. Revision
30. Revision

#### **4- Teaching and Learning Methods**

- 4.1 - Lectures.
- 4.2 - Clinical rounds (Small group teaching, practice of clinical skills, video Demonstration).
- 4.3 - Basic operative procedures to aid students in understanding the concept of surgery).
- 4.4 - Ophthalmic inpatient wards.
- 4.5 - Outpatient clinics.

#### **5- Student Assessment Methods**

- 5.1. Written examination to assess knowledge acquisition.
- 5.2. MCQ & problem solving to asses intellectual skills.
- 5.3. Clinical examination (spotting of 10 video projected clinical cases) to assess practical skills.
- 5.4. Objective structured oral questions to assess (understanding and stability of knowledge given, attitude and presentation).

#### **Assessment Schedule**

Assessment 1.....	Week .....7
Assessment 2 .....	week .....32

#### **Weighting of Assessments**

End Round Examination	4 %
Mid-Term Examination	16 %
Final-term Examination	48 %
Oral Examination	20 %
Practical Examination	8 %
Other types of assessment	4 %
<hr/> Total	100%

## **6- List of References**

### 6.1- Course Notes

- Recommended by the department

### 6.2- Essential Books (Text Books)

- Kanski clinical ophthalmology

### 6.3- Recommended Books

- American academy of ophthalmology

### 6.4- M.C.Q notes prepared by the department

### 6.5- Department website ophthalmic materials

### 6.6- C.Ds given free of charge from the department

## **7- Facilities Required for Teaching and Learning**

- Lecture rooms
- Round rooms
- Accessibility to hospital wards, clinics and emergency department
- Audio-visual teaching equipments (Computer, Projector, Video...etc)
- Video tapes, scientific pictures archives.

Course Coordinator: Prof. Dr. Hazem El Feki

Head of Department: Prof. Dr. Mohamed Attia

Date: Sept. 2010