



**Faculty of Medicine  
Quality Assurance Unit**



**Assiut University  
Faculty of Medicine**

# **OPHTHALMOLOGY COURSE SPECIFICATIONS**

**Code: AMED016**

**Fourth Year of M.B.B.Ch. Program**

**2016-2017**

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# OPHTHALMOLOGY

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## **Course Specifications:**

- Program(s) on which the course is given: **M.B.B.Ch. program**
  - Department offering the course: **Department of Ophthalmology**
  - Academic Year/Level: **Fourth Year**
  - **Date of Specification Approval: 30/06/2011**
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## **1- Basic Information:**

Title: **Ophthalmology**

Code: **AMED016**

Lecture: **70 hours**

Tutorial/Practical: **80 hours**

Total: **150 hours**

External evaluator:

*Alaa Atef Gheth: Professor of Ophthalmology, Faculty of Medicine, Alexandria University.*

Date of last revision: **10-2016.**

## **2- Overall Aims:**

- To provide the student with the knowledge, and skills which enable him/her to examine the eye and assess its function with confidence and skill.
- To help the student to diagnose and to treat the common eye conditions that he will see throughout his medical career.
- To enable him to make examination of the eye, to recognize quickly those ophthalmic conditions that demand immediate referral to a specialist and to spot those tell-tale signs that betray serious systemic disease.
- To enable the development and application of appropriate professional attitude, ethical principles and communication skills.

**3- Intended Learning Outcomes (ILOs)**

**A- Knowledge and understanding:**

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

- A1- Define principles of basic anatomy.
- A2- Mention the basic principles of ophthalmology, and become familiar with common and important ophthalmic conditions.
- A3- Describe the etiology, pathogenesis, clinical features, complications, and management of common and important ophthalmic conditions.
- A4- Define the legal and ethical aspects of ophthalmic practice, and explain the importance of consent form.
- A5- Describe the operative details of simple ocular surgeries and mention the basic principles of major operations.
- A6- Mention the principles and practice of preoperative preparation, the principles of maintaining a sterile operative field and postoperative care.

**B- Intellectual Skills:**

- B1- Comprehend patients' symptoms and physical signs in terms of their anatomic, pathologic and functional diagnostic significance.
- B2- Analyze and solve clinical ophthalmic problems.
- B3- Distinguish the appropriate investigations needed for every ophthalmic patient.
- B4- Analyze the results of clinical and investigatory findings to formulate an appropriate diagnosis.
- B5- Design management strategies of common ophthalmic problems.
- B6- Assess the effectiveness of therapy and re-evaluate management plan accordingly.

**C- Professional and Practical Skills:**

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

- C1- Obtain and document accurate and complete ophthalmic history.
- C2- Examine the eye and ocular adnexa with proper note keeping.
- C3- Carry out special tests when indicated.

**D- General Skills:**

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

- D1- Communicate effectively with patients, and their families.
- D2- Communicate effectively with other health care providers and work cooperatively in a team.
- D3- Write patients' records and present them in a proper way.
- D4- Integrate in professional relation with patients, their families, and the community.
- D5- Conduct reliable and responsible behaviors.
- D6- Respect patient will, privacy, and dignity.
- D7- Resolve professional errors in an honest way.

**4- Course Contents:**

<b>Topic</b>	<b>No of Hours</b>	<b>Lecture</b>	<b>Tutorial/Practical</b>
<b>Anatomy with ocular history taking and examination</b>	<b>9</b>	<b>3</b>	<b>6</b>
<b>The eye lid</b>	<b>7</b>	<b>3</b>	<b>4</b>
<b>The lacrimal system</b>	<b>8</b>	<b>4</b>	<b>4</b>
<b>The conjunctiva</b>	<b>2</b>	<b>4</b>	<b>8</b>
<b>The cornea</b>	<b>8</b>	<b>0</b>	<b>4</b>
<b>The sclera</b>	<b>7</b>	<b>3</b>	<b>4</b>
<b>The uveal tract</b>	<b>8</b>	<b>0</b>	<b>4</b>
<b>The lens</b>	<b>16</b>	<b>8</b>	<b>10</b>
<b>Glaucoma</b>	<b>12</b>	<b>8</b>	<b>6</b>
<b>The retina</b>	<b>6</b>	<b>4</b>	<b>2</b>
<b>The optic nerve and visual pathway</b>	<b>6</b>	<b>4</b>	<b>2</b>
<b>Errors of refraction</b>	<b>5</b>	<b>4</b>	<b>2</b>
<b>Squint</b>	<b>8</b>	<b>0</b>	<b>4</b>
<b>The orbit</b>	<b>5</b>	<b>3</b>	<b>2</b>
<b>The eye and general disease</b>	<b>7</b>	<b>4</b>	<b>3</b>
<b>Ocular Therapeutics</b>	<b>5</b>	<b>3</b>	<b>2</b>
<b>Trauma</b>	<b>4</b>	<b>3</b>	<b>2</b>
<b>Investigative</b>	<b>4</b>	<b>3</b>	<b>2</b>
<b>Revision &amp; MCQ practicing</b>	<b>9</b>	<b>4</b>	<b>5</b>
<b>Total</b>	<b>150</b>	<b>70</b>	<b>80 (8 weeks)</b>

**5- Teaching and Learning Methods:**

- 5.1. Lectures.
- 5.2. Clinical rounds.
- 5.3 Attendance for surgical theatres.
- 5-4- E-Learning system interactive discussions.

**6- Facilities required for teaching and learning:**

- 6.1. Lecture halls
- 6.2. Rooms for small groups teaching.
- 6.3. Prosthetic eyes will be available as a teaching facility.
- 6.4. Audio visual aids (data shows, overhead, slide projector ... etc).
- 6.5. Internet facilities.
- 6.6. Faculty library and central library of the University.
- 6.7. Beds clinical and operative facilities of Assiut University Hospitals.
- 6.8. Ophthalmology pages on facebook for easy communication with students [Assiut University – Ophthalmology Department].
- 6-9. E-Learning

**7- Teaching and learning methods for students with learning difficulties:**

- 7.1. Lectures.
- 7.2. Clinical rounds.
- 7.3. Attendance for surgical theatres.

**8- Student Assessment Methods:**

- 8.1. End round practical exam to assess (c1–c3).
- 8.2. Mid-term written exam to assess (a1–a6, b1–b6).
- 8.3. Final Oral exam to assess (a1–a6, b1–b6).
- 8.4. Final written exam to assess (a1–a6,b1–b6).
- 8.5. Final clinical examination to assess (c1–c3).

**\*\* Assessment Schedule**

**Assessment 1:** End Round Clinical examination by the end of the round.

**Assessment 2:** Mid-term MCQs examination for all students.

**Assessment 3:** Final Oral examination by the end of the year.

**Assessment 4:** Final written examination by the end of the year.

**Assessment 5:** Final clinical examination by the end of the year.

**\*\* Weighting of Assessments:**

• Practical exam at end of round	10
• Mid-term written exam	40
• Final written exam	140
• Final Oral exam	20
• Final clinical examination	40

<b>Total</b>	<b>250</b>
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**8- List of References:**

8.1. Course notes:

Department course notes.

8.2 Recommended books:

- Basic Ophthalmology (American Academy of Ophthalmology 2017-2016).
- Ophthalmology at Glance. (2015)
- Clinical Ophthalmology (Jack J. Kanski, Butterworth Heinemann) (2016).

8.3. Web sites:

- Ophthalmology.
- Archives of Ophthalmology.
- American J of Ophthalmology.
- The digital journal of ophthalmology([www.djo.harvard.edu](http://www.djo.harvard.edu)),
- Wills Eye Hospital ([www.willseye.org](http://www.willseye.org)),

**Course Coordinator** : Dr. Dalia M. El-Sebaity0  
Dr. khaled AbdElazeem.

**Head of Department** : Prof. Dr. Gamal Noby Mahmoud.

**Date** : 10-2016