



## COURSE SPECIFICATION

(Ancillary diagnostic ophthalmic tests in  
CORNEA AND REFRACTIVE SURGERY)

Faculty of Medicine- Mansoura University

### (A) Administrative information

(1) Programme offering the course.	MD degree of Ophthalmology programme
(2) Department offering the programme.	Ophthalmology department
(3) Department responsible for teaching the course.	Ophthalmology department
(4) Part of the programme.	MD degree of Ophthalmology programme 2 <sup>nd</sup> part
(5) Date of approval by the Department's council	31/7/2016
(6) Date of last approval of programme specification by Faculty council	9-8-2016
(7) Course title.	Ancillary diagnostic ophthalmic tests in CORNEA AND REFRACTIVE SURGERY <b>OPHT 622 CS</b>

(8) Course code:	<b>OPHT 622 CS</b>
(9) Credit hours	<b>1</b>
(10) Total teaching hours:	15 hours lectures

## **(B) Professional information**

### **(1) Course Aims:**

The broad aim of the course is to educate students about Ophthalmic Medicine also to provide the students with updated data and researches.

### **(2) Intended Learning Outcomes (ILOs):**

On successful completion of the course, the candidate will be able to:

#### **A- Knowledge and Understanding**

<b>A1</b>	Recognize clinical diagnosis of diseases affecting the eye and the adnexa
<b>A2</b>	Investigate tools necessary for the diagnosis of ophthalmic diseases
<b>A3</b>	Identify clinical skills necessary for diagnosis of eye diseases
<b>A4</b>	Recognize medical emergencies and critical care in ophthalmology

#### **B- Intellectual skills**

<b>I1</b>	Specify medical dilemmas and complexities and how to solve them.
<b>I2</b>	Make conclusions and be able to conduct scientific discussion.
<b>I3</b>	Select from different choices based on multiple determining factors as social, scientific, economic etc...
<b>I4</b>	Prioritize and tailor the different guidelines to individual situations.

C- Professional/practical skills

<b>P1</b>	Take a focused medical history with proper analysis and conclusions.
<b>P2</b>	Examine properly and systematically the eye and the adenexa with an exact follow of the standard rules and interpret signs individually.
<b>P3</b>	Integrate data from the history and the examination done.
<b>P4</b>	Ask for the proper investigations to be done for a given medical problem.
<b>P5</b>	Put a diagnosis and differential diagnosis of different cases.
<b>P6</b>	Write a treatment prescription for a given medical problem within a multidisciplinary management plan if needed.
<b>P7</b>	Identify patients needing hospitalization, and those needing surgical intervention.
<b>P8</b>	Identifying patients in need for higher specialization.
<b>P9</b>	Diploma the different emergency and routine procedures necessary in the general ophthalmic specialty.
<b>P10</b>	Interpret general ophthalmic investigative forms and use their findings in diagnosis and therapy.

(3) Course content:

Subjects	Lecture	Clinical	Field	Total Teaching Hours
1. <b>ROLE OF CT IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>	3			15 lectures
2. <b>ROLE OF MRI IN DIGNOSIS CORNEA AND REFRACTIVE SURGERY</b>	2			
3. <b>ROLE OF CORNEAL TOPOGRAPHY, ORBISCAN AND PENTACAM IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>	5			
4. <b>ROLE OF ULTRA SONOGRAPHY IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>	5			

#### (4) Teaching methods:

- 4.1: Lecture
- 4.2: Practical class
- 4.3: Small group discussion with case study and problem solving
- 4.4: Tutorial
- 4.5: Seminars
- 4.6: Workshops

#### (4) Assessment methods:

##### **5.1: Written Examination**

5.4 MCQ continuous assessment

**5.5: Log book for activities for assessment of** : mainly for assessment of practical & transferrable skills which are accepted through attending different conferences, thesis discussions, seminars, workshops, attending scientific lectures as well as self learning.

**5.6: seminars:** the candidate should prepare and present at least one seminar in atopic related to the course and determined by the supervisors in front of the department staff (without marks).

#### **Assessment schedule:**

**Assessment 1:** written exam after 36 month from MD registration

**Assessment 2 :** Log book required activities to go through 2<sup>nd</sup> part examination .

**Assessment 3 :** MCQ exam for continuous assessment of knowledge and intellectual skills.

**Assessment 4:** the candidate should prepare and present at least one seminar in atopic related to the course and determined by the supervisors in front of the department staff (without marks).

**Percentage of each Assessment to the total mark:**

**Written exam: 20 Marks (including 20% MCQ)**

**Other assessment without marks: practical tests and exam, seminars and log book assessment are requirement of the 2<sup>nd</sup> part exam.**

**(5) References of the course.**

**6.1: Text books:**

- Ophthalmology, Yanoff

**6.2: Websites:**

- rcoph.org.uk

**6.3: Recommended books**

- Ophthalmology, Yanoff
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**(6) Facilities and resources mandatory for course completion.**

- Lecture rooms: available in the department

**Course content and ILOs Matrix**

Programme ILOs are enlisted in the first row of the table (by their code number: a1, a2.....etc), then the course titles or codes are enlisted in first column, and an "x" mark is inserted where the respective course contributes to the achievement of the programme ILOs in question.

Course content	A1	A2	A3	A4	I 1	I2	I3	I4
	<b>ROLE OF CT IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√	√	√
<b>ROLE OF MRI IN DIGNOSIS CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√	√	√	√
<b>ROLE OF CORNEAL TOPOGRAPHY, ORBISCAN AND PENTACAM IN</b>	√	√	√	√	√	√	√	√

<b>DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>									
<b>ROLE OF ULTRA SONOGRAPHY IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√	√	√	√	√

Course content	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10
	<b>ROLE OF CT IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√	√	√	√	√
<b>ROLE OF MRI IN DIGNOSIS CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√	√	√	√	√	√
<b>ROLE OF CORNEAL TOPOGRAPHY, ORBISCAN AND PENTACAM IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√	√	√	√	√	√
<b>ROLE OF ULTRA SONOGRAPHY IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√	√	√	√	√	√

Course content	T1	T2	T3	T4	T5	T6	T7
	<b>ROLE OF CT IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√	√
<b>ROLE OF MRI IN DIGNOSIS CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√	√	√
<b>ROLE OF CORNEAL TOPOGRAPHY, ORBISCAN AND</b>	√	√	√	√	√	√	√

<b>PENTACAM IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>								
<b>ROLE OF ULTRA SONOGRAPHY IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√	√	√	√

### Course methods of assessment and ILOs Matrix

Programme ILOs are enlisted in the first row of the table (by their code number: a1, a2.....etc), then the Course methods of assessment are enlisted in first column, and an "x" mark is inserted where the respective course contributes to the achievement of the programme ILOs in question.

Course methods of assessment	A1	A2	A3	A4	I 1	I2	I3	I4
	Written Examination	√	√	√	√	√	√	√
MCQ exam for	√	√	√	√	√	√	√	√
Log book for activities for assessment of : mainly for assessment practical & transferrable skills attendance of different conferences, thesis discussions, seminars, workshops Attendance of scientific lectures								
seminars: the candidate should prepare and present at least one seminar in atopic related to the course and determined by the supervisors in front of the department staff .	√	√	√	√	√	√	√	√

Course methods of assessment	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10
	Written Examination	√	√	√	√	√	√	√	√	√
MCQ exam for	√	√	√	√	√	√	√	√	√	√
Log book for activities for assessment of : mainly for assessment practical & transferrable skills attendance of different conferences, thesis discussions, seminars,										

<b>workshops Attendance of scientific lectures.</b>										
seminars: the candidate should prepare and present at least one seminar in atopic related to the course and determined by the supervisors in front of the department staff .	√	√	√	√	√	√	√	√	√	√

<b>Course methods of assessment</b>							
	T1	T2	T3	T4	T5	T6	T7
<b>Written Examination</b>	√	√	√	√	√	√	√
<b>MCQ exam for</b>	√	√	√	√	√	√	√
<b>Log book for activities for assessment of : mainly for assessment practical &amp; transferrable skills attendance of different conferences, thesis discussions, seminars, workshops Attendance of scientific lectures.</b>							
seminars: the candidate should prepare and present at least one seminar in atopic related to the course and determined by the supervisors in front of the department staff .	√	√	√	√	√	√	√

**Course coordinator: : Prof.Dr Adel El layeh**

**Head of the department: Prof.Dr Adel El layeh**