



## COURSE SPECIFICATION

(Ancillary diagnostic ophthalmic tests in  
CORNEA AND REFRACTIVE SURGERY)

Faculty of Medicine- Mansoura University

### (A) Administrative information

(1) Programme offering the course.	Master 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.	Second part.
(5) Date of approval by the Department's council	<b>2016</b>
(6) Date of last approval of programme specification by Faculty council	<b>9-8-2016</b>
(7) Course title.	Ancillary diagnostic ophthalmic tests in CORNEA AND REFRACTIVE SURGERY OPHT 522 CS
(8) Course code.	522 CS
(9) Credit hours	1
(10) Total teaching hours.	15 hours

## **(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>	Investigate tools necessary for the diagnosis of ophthalmic diseases.
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#### **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>	Integrate data from the history and the examination done.
<b>P3</b>	Ask for the proper investigations to be done for a given medical problem.
<b>P4</b>	Put a diagnosis and differential diagnosis of different cases.
<b>P5</b>	Identify patients needing hospitalization, and those needing surgical intervention.
<b>P6</b>	Identifying patients in need for higher specialization.
<b>P7</b>	Interpret general ophthalmic investigative forms and use their findings in diagnosis and therapy.

### **(3) Course content:**

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

#### (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 for assessment of ILOs knowledge & intellectual.**

**5.2: MCQ for assessment of ILOs knowledge & intellectual.**

**5.3: 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.

**5.4: 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 .

**Assessment schedule:**

**Assessment 1 :** Log book required activities to go through 2<sup>nd</sup> part examination .

**Assessment 2:** MCQ exam for continuous assessment of knowledge and intellectual skills.

**Assessment 3** 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

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

( written 20 marks)

**Written exam: 100 %**

**Oral &practical exam 00 %**

**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

**(6) Facilities and resources mandatory for course completion.**

▪ Lecture rooms: available in the department

Subjects	A1	A2	A3	A4	A5
1. <b>ROLE OF CT IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√
2. <b>ROLE OF MRI IN DIGNOSIS CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√
3. <b>ROLE OF CORNEAL TOPOGRAPHY, ORBISCAN AND PENTACAM IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√
4. <b>ROLE OF ULTRA SONOGRAPHY IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√

Subjects	P1	P2	P3	P4	P5	P6	P7
1. <b>ROLE OF CT IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√	√	√
2. <b>ROLE OF MRI IN DIGNOSIS CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√	√	√
3. <b>ROLE OF CORNEAL TOPOGRAPHY, ORBISCAN AND PENTACAM IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√	√	√
4. <b>ROLE OF ULTRA SONOGRAPHY IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√	√	√

Subjects	T1	T2	T3	T4	T5
1. <b>ROLE OF CT IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√
2. <b>ROLE OF MRI IN DIGNOSIS CORNEA</b>	√	√	√	√	√

<b>AND REFRACTIVE SURGERY</b>					
<b>3. ROLE OF CORNEAL TOPOGRAPHY, ORBISCAN AND PENTACAM IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√
<b>4. ROLE OF ULTRA SONOGRAPHY IN DIGNOSIS OF CORNEA AND REFRACTIVE SURGERY</b>	√	√	√	√	√

Course assessment method	A1	A2	A3	A4	A5
<b>Written Examination</b>	√	√			√
<b>MCQ Examination</b>	√	√			√
<b>Log Book activities</b>					
<b>seminars:</b>	√	√	√	√	√

Course assessment method	P1	P2	P3	P4	P5	P6	P7	P8	P9
<b>Written Examination</b>			√	√	√	√	√	√	√
<b>MCQ Examination</b>			√	√	√	√	√	√	
<b>Log Book activities</b>									
<b>seminars:</b>			√	√	√	√	√	√	

<b>Course assessment method</b>	<b>T1</b>	<b>T2</b>	<b>T3</b>	<b>T4</b>	<b>T5</b>
<b>Written Examination</b>					
<b>MCQ Examination</b>					
<b>Log Book activities</b>	√				
<b>seminars:</b>	√	√	√	√	√

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

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