



Master Degree (OPH226E)

COURSE SPECIFICATION

(Ophthalmic Medicine)

Faculty of Medicine- Aswan 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:	Master degree of Ophthalmology programme 2 nd part
(5) Course title:	General Surgery
(7) Total teaching hours:	70 hours lectures + 140 clinical

(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

A1	Recognize clinical diagnosis of diseases affecting the eye and the adenexa.
A2	Investigate tools necessary for the diagnosis of ophthalmic diseases.
A3	Identify surgical skills for basic ophthalmic procedures.
A4	Recognize medical emergencies and critical care in ophthalmology.
A5	List neurologic and ophthalmology related disorders.
A6	List ocular manifestation of systemic diseases.

B- Intellectual skills

I1	Specify medical dilemmas and complexities and how to solve them.
I2	Make conclusions and be able to conduct scientific discussion.
I3	Select from different choices based on multiple determining factors as social, scientific, economic etc...
I4	Prioritize and tailor the different guidelines to individual situations.
I5	Conduct ideal management of medical and surgical emergency states.
I6	Refine the surgical skills and performance to the state of the art.

C- Professional/practical skills

P1	Take a focused medical history with proper analysis and conclusions.
P2	Examine properly and systematically the eye and the adenexa with an exact follow of the standard rules and interpret signs individually.
P3	Integrate data from the history and the examination done.
P4	Ask for the proper investigations to be done for a given medical problem.
P5	Put a diagnosis and differential diagnosis of different cases.
P6	Write a treatment prescription for a given medical problem within a multidisciplinary management plan if needed.
P7	Identify patients needing hospitalization, and those needing surgical intervention.

P8	Identifying patients in need for higher specialization.
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(1) Course content:

	Title	Total teaching hours	
		Lecture 70 h	Clinical 140h
	1. Diseases of Eyelids : Blepharitis, allergy- lid retraction- Madarosis- Blepharospasm- Infections	6	10
	2. Diseases of lacrimal appararus: Dacryoadenitis- Dacryocystitis- canaliculitis	4	8
	3. Diseases of Conjunctiva: Conjunctivitis (Bacterial, Viral, Chlamydial, allergic)- Mucocutaneous disorders- Dry eye.	4	20
	4. Diseases of Cornea: Keratitis (Bacterial, Viral, Mycotic)- Pigmentations, Precipitates- Peripheral corneal disorders- Degeneration- Dystrophies- Ectasia.	6	8
	5. Diseases of Sclera: Scleritis- Episcleritis.	2	4

6. Glaucomas: Ocular hypertension- Primary Open angle glaucoma – Normo tensive glaucoma, Primary angle closure glaucoma – secondary Open angle glaucoma, secondary angle closure glaucoma, Infantile & Juvenile.	7	10
7. Disease of Uvea: Uveitis (Infective, Non-infective, Chronic)	6	20
8. Diseases of Macula: age related macular degeneration, centrall serous chorio retinopathy, Cystoid macular oedema, Maculopathies.	4	10
9. Diseases of Retina: Dystrophies (Receptors, Retinal pigment epithelium & Choroidal) Degenerations Vascular: Retinopathies (Diabetic, Hypertensive, Renal, Toxaemia, Arteriosclerotic), retinal artery occlusion & retinal vein occlusion	7	10
10. Diseases of optic nerve: Neuropathy, Neuritis, Papilledema, congenital.	7	20
11. Neuro-ophthalmology: Pupillaryanomalies,Nystagmus,ophthalmoplegias, Migraine, Brain stem syndromes, optic atrophy- chiasmal lesions.	8	10
12. Medical ophthalmology: Metabolic (Diabetes- Gout)- Hypovitaminosis- Endocrinal (Pituitary- Thyroid- Parathyroid- Thymus)- Blood diseases- Collagen diseases (systemic luyus erythematous – rheumatic arthritis - Gaint cell arthritis)- Chronic granulomatous diseases (Tuberculosis , syphilis, Leprosy & Sarcoidosis) - Phacomatoses- Musculer diseases.	9	10

(2) Teaching methods:

4.1 : Lecture

4.2 : Practical class

4.3 : Small group discussion with case study and problem solving

(3) Assessment methods:

5.1: Written Examination for assessment of ILOs knowledge & intellectual.

5.2: Oral examination

5.3: Practical examination

5.4: MCQ examination.

Assessment schedule:

Assessment 1: written after 1 year from master registration

Assessment 2: Oral exam 1 year from master registration

Assessment 3: MCQ exam for continuous assessment of knowledge and intellectual skills at the end of the semester after 15 weeks

Assessment 4 Log book required activities to go through 1st part examination.

Total mark:

Written exam: 150 Marks including 20% MCQ



