



COURSE SPECIFICATION

OPH226E

(Ophthalmic surgery)

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:	Second part
(7) Course title:	Ophthalmic Surgery
(9) Total teaching hours:	70 hours lectures+ 140 clinical

(A) Professional information

(1) Course Aims:

The broad aim of the course is to educate students about ophthalmic surgery 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

A63	Recognize an emergency-directed examination for patients with common ocular surgical emergencies.
A64	Identify problems, prioritize them, and generate a list of differential diagnosis for each problem.
A65	Select the most appropriate and cost-effective diagnostic and therapeutic procedure for each problem.
A66	Use the results of commonly used diagnostic procedures.
A67	Use the results of all the tests ordered to modify the problem list and the differential diagnosis accordingly.
A68	Recognize patients with vision threatening surgical conditions and perform appropriate initial therapy.
A69	Identify and outline management of patients with chronic ocular surgical conditions requiring long-term follow-up, rehabilitation and pain relief.

B- Intellectual skills

I47	Specify parts of the operating microscope and their use.
I48	Ask for the proper investigations to be done for a given medical problem.
I49	Put a diagnosis and differential diagnosis of different cases.
I50	Select from different choices based on multiple determining factors as social, scientific, economic etc...
I51	Prioritize and tailor the different surgical guidelines to ocular situations.

C- Professional/practical skills

- P37** Use operating microscope and their use; maintain appropriate levels of zoom, focus, illumination.
- P38** Select appropriate hand instruments commonly used in anterior segment surgery.
- P39** Integrate data from the history and the examination done.
- P40** Competency in the handling of 10-0 nylon suture, including tying, trimming, and burying of knots.
- P41** Creation of limbal stab incisions.
- P42** Creation and interrupted suture closure of beveled corneo-scleral incisions.
- P43** Perform corneal suture removal.
- P44** Perform pterygium excision.
- P45** close simple corneal lacerations without assistance and close complex corneal lacerations with or without some assistance

(3) Course content:

Date	Title	Total teaching hours		
		Lectures 70 h	Clinical 140 h	
Module A: 3 credit hours				
	1. Sterilization - Aneasthesia.		2	0
	2. Eyelids: Excision & Reconstruction (grafts). Correction of ptosis, lagophthalmos, Entropion, Ectropion, lashdisorders. Lid margin: canthotomy, cantholysis, canthoplasty, tarsorrhaphy		4	10
	3. Lacrimal gland: Dacryo		3	0

	adenectomy.			
	4. Lacrimal Drainage System : Dacryo cystectomy –Dacryo cysto rhinostomy – Intubation		3	4
	5. Conjunctiva : Excision & reconstruction (Conjunctival Flap , graft .) pteygium.		4	8
	6. Cornea: Keratectomy- Keratoplasty-keratoprosthesis keratomileuses(Freeze-Non freeze- laser insito keratomik+++++) - Refractive surgery (Incision, Excision , Addition , Replacement).- Epikertophakia, keratotomy (Radial, Astig., Arcuate, Hexagonal., Keratophakia) Sclera : graft , repair .		4	10
	7. Lens extraction , intra ocular lens. implantation (Phakic (anterior chamber ,posterior chamber)- Aphakic (anterior chamber ,posterior chamber, Sulcus, scleral . Fixation)		4	25
Module B 1.5 credit hours				
	8. Iris: Iridectomy, Iridotomy. Iridoplasty, Excision.		4	8
	9. Ciliary body : cyclectomy , Cyclodialysis , cyclodestruction (Diathermy, Cryo., LASER)		2	4
	10. Choroid : choroidectomy .		2	4
	11. Glaucoma : .Ext. fixt.op- Implants& valves- Non penetrating op.		6	12
	12. Retina: Retinotomy, Retinectomy, Retinopexy.		5	10
	13. Vitreous: Vitrectomy- Evisceration		5	10
Module c: 1.5 credit hours				
	14. Extra Ocular Muscles: Recession, Resection,		5	20

	Transposition, Advancement	4	5
	15. Orbit: Orbitotomy- Reconstruction- Contracted socket- Enucleation	5	4
	16. Trauma: Contusion- Haemorrhage- Fracture- Foreign bodies- Chemical injuries.	5	5
	17. LASER: Cornea, Iris, Trabecular tissue, Ciliary. Body, Retina, Suture lysis-Sclerostomy- Capsulotomy- Phaco.	7	5

(4) Teaching methods:

4.1 : Lecture

4.2 : Practical class

4.3 : Small group discussion with case study and problem solving

(4) Assessment methods:

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

5.2 : Oral examination for assessment of ILOs knowledge & intellectual.

5.3 : Practical examination for assessment of ILOs knowledge & intellectual.

5.4 : 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.

Assessment schedule:

Assessment 1: after 24 month from the start of the job

Assessment 2: Log book required activities to go through 2nd part examination.

**Percentage of each Assessment to the total mark:
(150)**

Written exam:	50%
Oral &practical exam	50 %

