

Ophthalmology

University: Menoufia

Faculty: Medicine

A-Administrative information

Course Title: Clinical Ophthalmology.

Code: MFM- IV 01

Department offering the course: Ophthalmology Department

Lecture: 64 hours

Practical: 80 hours

Total: 144 hours

3- Course Contents:

Topic	No. of hours per week As 32 teaching weeks	Total no. of hours per year	Hours for lectures	Hours for tutorial	Hours for practical
Eye lid	2	8	4		4
Lacrimal	2	4	2		2
Orbit	2	4	2		2
Cornea	2	8	4		4
Conjunctiva	2	8	4		4
Uvea	2	8	4		4
Errors or refraction	2	8	4		4
Lens	2	8	4		4
Glaucoma	2	8	4		4
Squint	2	8	4		4
Retina	2	8	4		4
Trauma	2	8	4		4
Neurophthamology	2	8	-	4	4
Systemic Diseases & the eye	2	6	-	4	2

Otorhinolaryngology

University: Menoufia

Faculty: Medicine

A-Administrative information

Course title: Otorhinolaryngology

Code : MFM- IV 02

Department: Otorhinolaryngology

Total teaching hours: 104 hours

Lectures: 64 hrs Clinical Rounds: 32 hrs

Tutorials: 8 hrs

3. COURSE CONTENTS:

Topic	Hours for lectures	Hours for practical	Hours for tutorial	Total hours per year
a) Anatomy and physiology of the ear	2	1	--	3
b) Diseases of the external ear	2	5	--	7
c) Acute and chronic otitis media	2	1	1	4
d) Complications of otitis media	2	1	--	3
e) Congenital and traumatic disorders of middle and inner ear	2	---	1	3
f) Otosclerosis and Meniere's disease	2	1	--	3
g) Tumors of the ear	2	--	--	2

and acoustic neuroma				
h) Facial nerve anatomy and paralysis	2	1	--	3
i) Symptomatology and Ear operations	2	--	--	2
j) Basic audiology-	2	--	--	2
k) Basic phoniatics	2	--	--	2
a) Anatomy and physiology of the pharynx	2	1	--	3
b) Nasopharyngeal diseases	2	1	--	3
c) Inflammations of the pharynx and tonsil	2	1	1	4
d) Pharyngeal suppurations	2	--	1	3
e) Tumors of the pharynx	2	1	--	3
f) Symptomatology and operations of the pharynx	2	--	--	2
a) Anatomy and physiology of the nose	2	1	--	3
b) Congenital and traumatic disorders of the nose and epistaxis	2	3	--	5
c) Inflammations of the nose and septal diseases	2	2	2	6
d) Acute sinusitis	2	1	--	3
e) Chronic sinusitis	2	1	--	3

and complications of sinusitis				
f) Nasal allergy and nasal masses	2	2	--	4
g) Symptomatology and operations of the nose	2	--	--	2
a) Anatomy and physiology of the larynx	2	1	--	3
b) Congenital and traumatic disorders of the larynx	2	1	--	3
c) Inflammatory disorders of the larynx	2	1	--	3
d) Vocal cord paralysis and tracheostomy	2	2	--	4
e) Tumors of the larynx	2	1	--	3
f) Symptomatology and laryngeal operations	2	--	--	2
a) Esophagus and trachea	2	--	--	2
b) Neck swellings	2	--	2	4

Subjects	Lecture	Practice & Tutorial	Total Hours
Ear	22	12	34

Pharynx	12	6	18
Nose	14	12	26
Larynx	12	6	18
Oesophagus, Trachea & Neck	4	2	6
Total	<u>64</u>	<u>38</u>	<u>102</u>

Detailed description of course topics:

A. Theoretical Course:

1. EAR:

- a) Anatomy and physiology of the ear
- b) Diseases of the external ear
- c) Acute and chronic otitis media
- d) Complications of otitis media
- e) Congenital and traumatic disorders of middle and inner ear
- f) Otosclerosis and Meniere's disease
- g) Tumors of the ear and acoustic neuroma
- h) Facial nerve anatomy and paralysis
- i) Symptomatology and Ear operations
- j) Basic audiology
- k) Basic phoniatics

2. Pharynx:

- a) Anatomy and physiology of the pharynx
- b) Nasopharyngeal diseases
- c) Inflammations of the pharynx and tonsil
- d) Pharyngeal suppurations
- e) Tumors of the pharynx
- f) Symptomatology and operations of the pharynx

3. Nose:

- a) Anatomy and physiology of the nose
- b) Congenital and traumatic disorders of the nose and epistaxis
- c) Inflammations of the nose and septal diseases
- d) Acute sinusitis
- e) Chronic sinusitis and complications of sinusitis
- f) Nasal allergy and nasal masses

g) Symptomatology and operations of the nose

4. Larynx:

- a) Anatomy and physiology of the larynx
- b) Congenital and traumatic disorders of the larynx
- c) Inflammatory disorders of the larynx
- d) Vocal cord paralysis and tracheostomy
- e) Tumors of the larynx
- f) Symptomatology and laryngeal operations

5. Neck

- a) Esophagus and trachea
- b) Neck swellings

Clinical round:

Week	Day	Topic
Week 1	Sunday	<u>Basic Ear examination</u> <u>Case scenario 1:</u> Microtia <u>Case scenario 2:</u> Auricular hematoma
	Monday	<u>Case scenario 3:</u> Furunculosis <u>Case scenario 4:</u> Diffuse otitis externa
	Tuesday	<u>Case scenario 5:</u> Basal cell carcinoma <u>Case scenario 6:</u> Keloid <u>Case scenario 7:</u> Ear wax
	Wednesday	<u>Case scenario 8:</u> Traumatic perforation <u>Case scenario 9:</u> Acute otitis media
	Thursday	<u>Case scenario 10:</u> CSOM media safe type <u>Case scenario 11:</u> Cholesteotoma
Week 2	Sunday	<u>Case scenario 12:</u> Otosclerosis <u>Case scenario 13:</u> Bell's palsy
	Monday	<u>Basic nasal examination</u> <u>Case scenario 14:</u> Nasal Hemangioma <u>Case scenario 15:</u> Foreign body nose <u>Case scenario 16:</u> Fracture nasal bone
	Tuesday	<u>Case scenario 17:</u> Nasal furuncle <u>Case scenario 18:</u> Rhinoscleroma

	Wednesday	<u>Case scenario 19:</u> Septal hematoma <u>Case scenario 20:</u> Septal deviation
	Thursday	<u>Case scenario 21:</u> Acute sinusitis <u>Case scenario 22:</u> Frontal mucocele
Week 3	Sunday	<u>Case scenario 23:</u> Sinonasal polyposis <u>Case scenario 24:</u> Antrochonal polyp <u>Case scenario 25:</u> Sinonasal malignancy
	Monday	<u>Case scenario 26:</u> Epistaxis <u>Case scenario 27:</u> Oroantral fistula
	Tuesday	<u>Basic pharyngeal examination</u> <u>Case scenario 28:</u> Ranula <u>Case scenario 29:</u> Lingula thyroid
	Wednesday	<u>Case scenario 30:</u> Acute tonsillitis <u>Case scenario 31:</u> Acute follicular tonsillitis and quinsy
	Thursday	<u>Case scenario 32:</u> Secondary posttonsillectomy hemorrhage <u>Case scenario 33:</u> Unilateral tonsillar mass <u>Case scenario 34:</u> Adenoid
Week 4	Sunday	<u>Basic laryngeal examination</u> <u>Case scenario 35:</u> Laryngomalacia and laryngeal web <u>Case scenario 36:</u> Acute laryngitis <u>Case scenario 37:</u> Chronic laryngitis
	Monday	<u>Case scenario 38:</u> Vocal cord nodules <u>Case scenario 39:</u> Multiple laryngeal papillomatosis <u>Case scenario 40:</u> Vocal cord paralysis
	Tuesday	<u>Case scenario 41:</u> Cancer larynx <u>Case scenario 42:</u> Foreign body oesophagus <u>Case scenario 43:</u> Pharyngeal pouch
	Wednesday	<u>Case scenario 44:</u> Ludwig's angina <u>Case scenario 45:</u> Parotid pleomorphic adenoma <u>Case scenario 46:</u> Submandibular swelling
	Thursday	Exam

Forensic Medicine and Clinical Toxicology

University: Menoufia

Faculty: Medicine

A-Administrative information

Course Title: Forensic Medicine and Clinical Toxicology

Code: MFM-IV 03

Department offering the course: Forensic Medicine and Clinical Toxicology

Taught hours:

Lectures: 80 hour

Practical& tutorial: 80 hour

Total: 160

Course Contents

1-Identification

2-Death and Post mortem changes

3-Sexual offences and child abuse

4-Asphyxia

5-Pregnancy& delivery, abortion & Infanticide

6- Traumatology

7-Ethics &Malpractice

8-General Toxicology

9-Special toxicology

Detailed description of course contents

Lecture course

Forensic Medicine

Topics	Hours
1-Introduction (ILOs)	1.5x2
2-Identification	5x2

3-Post mortem changes	4x2
4-Sexual offences and child abuse	2.5x2
5-Asphyxia	5x2
6-Wounds	5x2
7-Regional injuries	5x2
8-Firearm injury	4x2
9-Road traffic accident	1.5x2
10-Physical injury	3x2
11-Ethics & Malpractice	2x2

Toxicology Course

12-General Toxicology	6x2
13-Special toxicology	
Addiction	3x2
Corrosives	3x2
Heavy metals	5x2
Volatiles (Alcohols)and Noxious gases	5x2
Toxic plants(Addicting)	2.5x2
Non addicting) (Toxic plants	2.5x2
C.N.S. stimulants	2x2
C.N.S. depressants	2x2
C.N.S. tranquilizers	1.5x2
Analgesics	1.5x2
Insecticides &Rodenticides	4.5x2
Animal bites	1.5x2
Food poisoning	1.5x2

Practical & tutorial course

Practical Session for each group(8weeks : 2.5x5x8=100x4 hours)

Practical Session	Hours
Preliminary tests for blood identification	2x4
Spectroscope & Blood group	2x4
Toxic seeds(large)	2x4
Toxic seeds(small)	2x4
Projectiles (smooth)	2x4
Projectiles(Rifled)	2x4
Toxicological sheet & diagnosis	2x4
First aid	2x4
Decontamination	2x4
Color tests	2x4
Hair & fibers	2x4
Reinsch Test	2x4
Semen	2x4

Clinical Rounds for each group

Clinical Round	Hours
Identification(age)	2x4
Identification(sex &race)	2x4
General wounds& primary ML report 1 st part	2x4

General wounds & primary ML report 2 nd part	2x4
Firearm injuries 1 st part	2x4
Firearm injuries 2 nd part	2x4
Rape and sodomy	2x4
Head injuries 1 st part	2x4
Head injuries 2 nd part	2x4
Asphyxia 1 st part	2x4
Asphyxia 2 nd part	2.5x4
Death & post mortem changes 1 st part	2x4
Death & post mortem changes 2 nd part	2x4
Physical injuries	2x4
Regional injury	2x4
Pregnancy delivery, abortion , Infanticide & Common Poisons (Tutorial)	One day/week

Public health and community medicine

University: Menoufia

Faculty: Medicine

A-Administrative information

Course Title: Community medicine

Code: MFM-IV 04

Department offering the course: community and occupational medicine

Taught hours:

Lecture:	Practical	Field	Total:
128h	65 h	15 h	208 h

3- Course Contents:

Topic	No. of hours per week	Total no. of hours per semester / year	Hours for lectures	Hours for tutorial and other small group or project	Hours for practical
General Epidemiology, epidemiology of communicable and non communicable diseases, PHC, quality , nutrition, PHA	8h/w	64 h	4hlw	2hlw	2hlw
Medical statistics, MCH, geriatric, Adolescents, child abuse, FP, infection control	6h/w	30 h	4hlw	1hlw	1hlw
Occupational medicine, environmental medicine, mental health	4h/w	20 h		1hlw	3hlw

Demography, health education, communication , rural health	2h/w	14 h	1hlw	1hlw	1hlw
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Detailed Description of the topics:

A. Theoretical Course

1. GENERAL EPIDEMIOLOGY OF COMMUNICABLE DISEASES

- Patterns of occurrence of disease in communities (sporadic, endemic, outbreak, epidemic, pandemic).
- The infectious cycle (causative agent; reservoir: human and animal/zoonosis; mode of transmission; incubation period; period of communicability; susceptibility and resistance).
- Preventive measures: general and specific.
- Control measures: the case, the immediate contacts, the community especially during epidemics, outbreaks and pandemics.
- Surveillance systems, disease elimination and eradication.
- Investigation of an epidemic/ outbreak.
- Disinfection, sterilization, nosocomial/hospital infection.

2. EPIDEMIOLOGY OF SELECTED COMMUNICABLE DISEASES

The selected diseases will include, common endemic diseases, emerging diseases, international diseases and potentially threatening diseases:

- The infectious cycle for each of the selected diseases.
- Prevention and control, and special programs as available.
- Immunization: recommended and potential vaccines.

3. HOSPITAL INFECTION & STERILIZATION

Disinfection, sterilization, nosocomial/hospital infection

4. MEASUREMENTS OF HEALTH, DEMOGRAPHY & VITAL STATISTICS

Definitions, census, population estimates and projections, Egypt's population trend, theory of demographic transition, population pyramids, sources of data, vital indices and concepts of quality of life.

5. EPIDEMIOLOGY OF SELECTED NON-COMMUNICABLE DISEASES

General concepts, risk factors, primary and secondary prevention, periodic examination, screening tests, epidemiology of injuries and selected non-communicable diseases (ischemic heart disease, hypertension, rheumatic heart disease, diabetes, cancer, blood disorders, bronchial asthma).

6. COMMUNICATION & HEALTH BEHAVIOUR

Basic behavioral theories, behavioral and social variables, communication, health education, counseling, and community mobilization.

7. MENTAL HEALTH

Definition, Risk factors, impact of mental illness, primary and secondary prevention, mental health program.

8. NUTRITION IN HEALTH & DISEASE

Definitions and concepts, nutrients (sources, functions, requirements), adequate diet, nutritional public health problems, assessment of the nutritional status, diet and chronic diseases.

9. HEALTH CARE MANAGEMENT & ADMINISTRATION

Definition and principles of management, assessment of community needs and resources, problem identification and priority setting, organization-based management , leadership and team building, quality management, health economic

10. HEALTH SYSTEMS & HEALTH SERVICES IN EGYPT

Egypt's health policy, different health systems functioning in Egypt, the organizational structure and function of the MOHP the referral system, the concept of health reform

11. PRIMARY HEALTH CARE & FAMILY HEALTH PRACTICE

Curative/preventive patterns of care, levels of practice (individual, family and community levels), comprehensive health care, PHC (definition and principles, characteristics, elements), PHC services in Egypt, the family practice approach in Egypt.

12. RURAL HEALTH

Health-related problems in rural areas , the rural health program, organization of rural health services ,staffing of the rural health team.

13. REPRODUCTIVE HEALTH

Definitions and concepts, components of comprehensive RH, RH activities and MCH services implemented in Egypt, evaluation of MCH program, FP (the population policy and strategy for Egypt,

the national FP program, and its evaluation).

14. HEALTH OF ELDERLY

Definitions, the physical, mental, and social problems and needs of the elderly, health care programs for the elderly and their relation to other care programs.

15. OCCUPATIONAL HEALTH

Concepts and definitions, hazards/work-related hazards for different occupations and jobs, prevention and control of occupational hazards, ergonomics, occupational health program, the role of the PHC in occupational health.

B. Practical Course

- Practical course includes pre-visit orientation seminars & post-field visit group discussion.
- Practical includes: exercises, student presentation and group discussions.
- Each visit lasts approximately 3 hours (3 hrs per visit).

FAMILY MEDICINE I

University: Menoufia

Faculty: Medicine

A-Administrative information

Course title: Family medicine I

Code: MFM- IV 05

Program on which the course is given: MBCh

Department offering the course: Family medicine dep.

Taught hours:

Lectures: 30 hours **Practical:** 30 hours **Field training:** 10 hours

Total: 70 hours

3- Course Contents

Weeks	Topic	No. of hours			Total
		Theoretical	Practical		
			Round	Field visit	
1 st Week	Introduction to family medicine curriculum	1	1	-----	2
2nd week	Principles of family medicine	1	2	-----	3
3rd week	Family & family types in family practice Family dynamics	1	3	-----	4
4th week	Family genogram	1	3	-----	4
5th week	Health services and family health model	1	3	3	7
6th week	Family physician	1	----	-----	1
7th week	Family health record	1	3	3	7
8th week	Basic benefit package (BBP)	1	3	3	7
9th week	Drug prescription in family practice	1	3	----	4
10th week	Ethics in family practice	1	3	-----	4
11 th Week	Ethics in family practice	1	----	----	1
12th week	Travel medicine	1	3	----	4
13th weeks	Communication in family	1	3	----	4

	practice (Taking history)				
14th week	Communication in family practice	1	3	-----	4
15th week	Vaccination along human life cycle (obligatory&non-obligatory)	1	-----	3	4
16th week	Anticipatory care (health promotion)	1	-----	-----	1
17th week	Principles of home visits	1	----	-----	1
18th week	Patient compliance	1	-----	-----	1
19th week	Referral in family practice	1	3	-----	4
20th week	Counseling in family practice	1	1	-----	2
21 week	Screening in family practice	1	3	-----	4
22 week	Health team & management in family practice	1	3	-----	4
23 Week	Patient education	1	2	-----	3
24 Week	Infection control in family practice	1	-----	-----	1
25 week	Quality dimension & accreditation in family health care facilities	1	-----	-----	1
26 week	Audit & Clinical guidelines	1	3	-----	4
27 week	Integrated seminar (community health problems)	1	-----	-----	1
28 week	Integrated seminar (ophthalmology related problems)	1	-----	-----	1
29 week	Integrated seminar (otolaryngology related problems)	1	-----	-----	1
30 week	Integrated seminar (forensic & toxicology related problems)	1	-----	-----	1
Total		30	48	12	90