

Third Level

6th Semester

CNS& Special Senses (١)

Module Specification (٢٠٢٠ - ٢٠٢١)

University: Menoufia

Faculty: Medicine

A - Administrative Information

Module Title : CNS& Special Senses (١) Module

Code No: CNS/SPI٣١٠٢

Departments offering the module: Anatomy, Physiology, Pharmacology and Microbiology

Credit hours: ٥

Course Contents

□ **Topics to be studied:**

Week ١
Online lectures
Lesson ١: Lecture (١): Online Anatomy lecture under the title of anatomy of the ear
Lesson ٢: Lecture (٢): Online Anatomy lecture under the title of anatomy of the orbit
Lesson ٣: Lecture (٣): Online Anatomy lecture under the title of cranial cavity and cerebral cortex
Lesson ١٤: Lecture (٦): Online Physiology lecture under the title of receptors & general classification of sensation & nerve physiology
Lesson ١٥: Lecture (٧): Online Physiology lecture under the title of fluid & optical system of the eye
Inverted face to face lectures
Lesson ٨: Lecture (٤): Face to face Anatomy lecture under the title of anatomy of ear & orbit
Lesson ٩: Lecture (٥): Face to face Anatomy lecture under the title of cranial cavity & cerebral cortex
Lesson ١٦: Lecture (٨): Face to face Physiology lecture under the title of classification of sensation & nerve physiology & optical system of the eye
Online Practical
Lesson ٤: Practical session (١): Online Anatomy practical session under the title of anatomy of the ear
Lesson ٥: Practical session (٢): Online Anatomy practical session under the title of development and anomalies of ear
Lesson ٦: Practical session (٣): Online Anatomy practical session under the title of anatomy of the orbit.

Lesson ٧: Practical session (٤): Online Anatomy practical session under the title of anatomy of norma basalis externa
Face to face Practical
Lesson ٧٠: Practical session (٥): Face to face Anatomy practical session under the title of anatomy of ear
Lesson ٧١: Practical session (٦): Face to face Anatomy Practical session under the title of development and anomalies of ear
Lesson ٧٢: Practical session (٧): Face to face Anatomy practical session under the title of anatomy of the orbit
Lesson ٧٣: Practical session (٨): Face to face Anatomy practical session under the title of anatomy of norma basalis externa
Lesson ٧٤: Practical session (٩): Face to face Pharmacology practical session under the title of drugs acting on the eye.
Week ٢
Online lectures
Lesson ٧: Lecture (٩): Online Anatomy lecture under the title of cerebral cortex ١, ٢ & white mater
Lesson ٨: Lecture (١٠): Online Anatomy lecture under the title of basal ganglia & diencephalon١
Lesson ٩: Lecture (١١): Online Anatomy lecture under the title of anatomy of the cerebellum
Lesson ١٢: Lecture (١٣): Online Physiology lecture under the title of cornea & lens.
Lesson ١٤: Lecture (١٤): Online Physiology lecture under the title of uveal tract & retina

Lesson ୧୦: Lecture (୧୦): Online pharmacology lecture under the title of opioid analgesics
Lesson ୧୧: Lecture (୧୧): Online microbiology lecture under the title of central nervous system infections
Inverted face to face lectures
Lesson ୧୨: Lecture (୧୨): Face to face Anatomy lecture under the title of cerebral cortex, basal ganglia, diencephalon & anatomy of the cerebellum.
Lesson ୧୩: Lecture (୧୩): Face to face Physiology lecture under the title of cornea & lens & uveal tract & retina
Online Practical
Lesson ୧୪: Practical session (୧୪): Online Anatomy practical session under the title of anatomy of norma basalis interna
Lesson ୧୫: Practical session (୧୫): Online Anatomy practical session under the title of anatomy of cranial cavity
Lesson ୧୬: Practical session (୧୬): Online Anatomy practical session under the title of anatomy of cerebral cortex (୧)
Lesson ୧୭: Practical session (୧୭): Online Anatomy practical session under the title of anatomy of cerebral cortex (୨).
Lesson ୧୮: Practical session (୧୮): Online Physiology practical session under the title of visual acuity & astigmatism & near point
Lesson ୧୯: Practical session (୧୯): Online Physiology practical session under the title of blind spot & fundus examination with ophthalmoscope
Face to face Practical
Lesson ୨୦: Practical session (୨୦): Face to face Anatomy practical session under the title of anatomy of norma basalis interna
Lesson ୨୧: Practical session (୨୧): Face to face Anatomy practical session under the title of anatomy of cranial cavity
Lesson ୨୨: Practical session (୨୨): Face to face Anatomy practical session under the title of anatomy of cerebral cortex (୧).
Lesson ୨୩: Practical session (୨୩): Face to face Anatomy practical session under the title of anatomy of cerebral cortex (୨).
Lesson ୨୪: Practical session (୨୪): Face to face Physiology practical session under the title of visual acuity & astigmatism & near point
Lesson ୨୫: Practical session (୨୫): Face to face Physiology practical session under the title of Blind spot & fundus examination with ophthalmoscope.
Lesson ୨୬: Practical session (୨୬): Face to face Pharmacology practical session under the title of ototoxic drugs
Face to face Team based learning ୧: eye (physiology and Pharmacology)

Week 3	
Online lectures	
Lesson 1: Lecture (1A): Online Anatomy lecture under the title of anatomy of brain stem 1&2	
Lesson 2: Lecture (1B): Online Anatomy lecture under the title of brain stem 2, ventricular system, CSF & meninges	
Lesson 3: Lecture (2A): Online Physiology lecture under the title of mechanism of vision.	
Lesson 4: Lecture (2B): Online Physiology lecture under the title of visual pathway & visual cortex	
Lesson 5: Lecture (3A): Online pharmacology lecture under the title of sedative hypnotics.	
Lesson 6: Lecture (3B): Online pharmacology lecture under the title of epilepsy	
Inverted face to face lectures	
Lesson 7: Lecture (4A): Face to face Anatomy lecture under the title of anatomy of brain stem 1&2, ventricular system	
Lesson 8: Lecture (4B): Face to face Physiology lecture under the title of mechanism of vision, visual pathway & visual cortex	
Lesson 9: Lecture (4C): Face to face Pharmacology lecture under the title of sedative hypnotics & epilepsy	
Online Practical	
Lesson 10: Practical session (5A): Online Anatomy practical session under the title of basal ganglia.	
Lesson 11: Practical session (5B): Online Anatomy practical session under the title of diencephalon.	
Lesson 12: Practical session (5C): Online Anatomy practical session under the title of cerebellum.	
Lesson 13: Practical session (5D): Online Anatomy practical session under the title of anatomy of brain stem (1).	
Lesson 14: Practical session (6A): Online Physiology practical session under the title of color vision	
Lesson 15: Practical session (6B): Online Physiology practical session under the title of near response & light reflex	
Lesson 16: Practical session (6C): Online Pharmacology practical session under the title of Pain management	
Lesson 17: Practical session (6D): Online Microbiology practical session under the title of practical cases on CNS infections	
Face to face Practical	
Lesson 18: Practical session (7A): Face to face Anatomy practical session under the title of basal ganglia	
Lesson 19: Practical session (7B): Face to face Anatomy practical session under the title of diencephalon	
Lesson 20: Practical session (7C): Face to face Anatomy practical session under the title of cerebellum	
Lesson 21: Practical session (7D): Face to face Anatomy practical session under the title of anatomy of brain stem (1).	
Lesson 22: Practical session (7E): Face to face Physiology practical session under the title of color vision	
Lesson 23: Practical session (7F): Face to face Physiology practical session under the title of near response & light reflex	
Lesson 24: Practical session (7G): Face to face Pharmacology practical session under the title of Pain management	
Lesson 25: Practical session (7H): Face to face Microbiology practical session under the title of cases on CNS infections. Lesson 25 Edit Delete	
Face to face Team based learning 3: basal ganglia (anatomy and physiology)	

Week ٤
Online lectures
Lesson ١: Lecture (٢٧): Online Anatomy lecture under the title of spinal cord & blood supply of brain
Lesson ٢: Lecture (٢٨): Online Anatomy lecture under the title of blood supply and CNS development
Lesson ٣: Lecture (٢٩): Online pharmacology lecture under the title of antidepressants and antipsychotic.
Lesson ٤: Lecture (٣٠): Online pharmacology lecture under the title of antiparkinsonian and local anesthetics
Inverted face to face lectures
Lesson ٥: Lecture (٣١): Face to face Anatomy lecture under the title of spinal cord, blood supply of brain & blood supply and CNS development
Lesson ٦: Lecture (٣٢): Face to face pharmacology lecture under the title of antidepressants, antipsychotics, antiparkinsonian and local anesthetics
Online Practical
Lesson ٧: Practical session (٣٣): Online Anatomy practical session under the title of anatomy of brain stem (٢).
Lesson ٨: Practical session (٣٤): Online Anatomy practical session under the title of anatomy of ventricular system, CSF
Lesson ٩: Practical session (٣٥): Online Anatomy practical session under the title of anatomy of spinal cord
Lesson ١٠: Practical session (٣٦): Online Physiology practical session under the title of visual field & revision
Face to face Practical
Lesson ١١: Practical session (٣٧): Face to face Anatomy practical session under the title of anatomy of brain stem (٢).
Lesson ١٢: Practical session (٣٨): Face to face Anatomy practical session under the title of anatomy of ventricular system, CSF
Lesson ١٣: Practical session (٣٩): Face to face Anatomy practical session under the title of anatomy of spinal cord
Lesson ١٤: Practical session (٤٠): Face to face Physiology practical session under the title of visual field & revision
Lesson ١٥: Practical session (٤١): Face to face Pharmacology practical session under the title of headache
Lesson ١٦: Practical session (٤٢): Face to face Pharmacology practical session under the title of meningitis
Face to face Team based learning ٣: cerebrospinal meningitis (anatomy, physiology, pharmacology and Microbiology)

CNS& Special Senses (٢)

University: Menoufia

Faculty: Medicine

A - Administrative Information

Module Title : CNS& Special Senses (٢) Module

Code No: CNS/SPII ٣١٠٣

Departments offering the module: Histology, Physiology, Biochemistry, Pathology, Parasitology

Credit hours: ٥

Course Contents

WEEK ١			
No.	ONLINE LECTURES	TEACHING HOURS	TEACHER/ FACILITATOR
١	The ear	٤٥ min	Histology
٢	Hearing and brain stem: posture and equilibrium	١ hour	Physiology
٣	Mechanoreceptive and thermoreceptive sensations	١ hour	Physiology
٤	Nucleotide chemistry	٤٥ min	Biochemistry
٥	Nucleic acid structure	٤٥ min	Biochemistry
FACE TO FACE INVERTED LECTURES			
١	Hearing and brain stem: posture and equilibrium	١ hour	Physiology
٢	Mechanoreceptive and thermoreceptive sensations	١ hour	
ONLINE PRACTICAL SECTIONS			
١	The ear	٣٠ min	Histology
٢	Hearing tests	١ hour	Physiology

۳	Smell and Taste tests	۱ hour	Physiology
۴	Myasis	۳۰ min	Parasitology
FACE TO FACE PRACTICAL SECTIONS			
۱	The ear	۱ hour	Histology
۲	Hearing tests	۲ hours	Physiology
۳	Smell and Taste tests	۲ hours	Physiology
۴	Myasis	۱ hour	Parasitology
ONLINE VIRTUAL MEETING			
۱	Posture and equilibrium	۱ hour	Physiology
۲	Nucleotide chemistry and nucleic acid structure	۱ hour	Biochemistry
STUDENT DEPENDENT LEARNING			
۱	Hyperalgesia	۳ hours	Physiology
۲	Syringomyelia	۳ hours	Physiology
۳	Cutaneous larvae migrans	۳ hours	Parasitology
۴	Cercarial dermatitis	۳ hours	Parasitology
۵	DNA organization	۱ hour	Biochemistry

WEEK ٧			
No	ONLINE LECTURES	TEACHING HOURS	TEACHER/ FACILITATOR
١	The eye	٤٥ min	Histology
٢	Pain sensations and coding for sensations	١ hour	Physiology
٣	Sensations from head and sensory cortex	١ hour	Physiology
٤	DNA replication	٤٥ min	Biochemistry
٥	Trauma, injury and inflammatory disorders of the CNS	٤٥ min	Pathology
٦	Trypanosoma spp.: monomorphic and polymorphic trypanosomes	٣٠ min	Parasitology
FACE TO FACE INVERTED LECTURES			
١	Pain sensations and coding for sensations	١ hour	Physiology
٢	Sensations from head and sensory cortex	١ hour	
٣	Eye and ear	١ hour	Histology
٤	Nucleotide chemistry and DNA replication	١ hour	Biochemistry
ONLINE PRACTICAL SECTIONS			
١	The eye	٣٠ min	Histology
٢	Touch sensation	١ hour	Physiology
٣	Pain and temperature sensations	١ hour	Physiology
٤	DNA amplification techniques: cloning and PCR	٤٥ min	Biochemistry
٥	Trypanosoma spp.: monomorphic and polymorphic trypanosomes	٣٠ min	Parasitology
FACE TO FACE PRACTICAL SECTIONS			
١	The eye	١ hour	Histology
٢	Touch sensation	٢ hours	Physiology
٣	Pain and temperature sensations	٢ hours	Physiology
٤	DNA amplification techniques: cloning and PCR	٢ hours	Biochemistry
٥	Trypanosoma spp.: monomorphic and polymorphic trypanosomes	١ hour	Parasitology
TBL			
١	The Ear	١ hour	Physiology
ONLINE INTEGRATED QUIZ			
١	First integrated quiz	١٥ min	All departments
ONLINE VIRTUAL MEETING			
١	Eye and ear	١ hour	Histology

۲	DNA amplification techniques	۱ hour	Biochemistry
۳	Touch, pain and temperature	۱ hour	Physiology
STUDENT DEPENDENT LEARNING			
۱	Brown Sequard syndrome	۳ hours	Physiology
۲	Thalassemic syndrome	۳ hours	Physiology
۳	Coenurosis (Multiceps multiceps)	۳ hours	Parasitology
۴	Difference between eukaryotic and prokaryotic replication	۱,۰ hours	Biochemistry
۵	Types and mechanisms of DNA repair	۱,۰ hours	Biochemistry

WEEK 3 FROM 26/12 TO 31/12			
No	ONLINE LECTURES	TEACHING HOURS	TEACHER/FACILITATOR
1	Motor functions of spinal cord	1 hour	Physiology
2	Pyramidal and extrapyramidal tracts and Basal Ganglia	1 hour	Physiology
3	DNA repair and transcription	40 min	Biochemistry
4	Tumors of the CNS	40 min	Pathology
5	Free living amoebae	30 min	Parasitology
FACE TO FACE INVERTED LECTURES			
1	Motor functions of spinal cord	1 hour	Physiology
2	Pyramidal and extrapyramidal tracts and Basal Ganglia	1 hour	
3	DNA repair and transcription	1 hour	Biochemistry
4	Parasites affecting the CNS and special sense organs	1 hour	Parasitology
ONLINE PRACTICAL SECTIONS			
1	Vibration and sense of position	1 hour	Physiology
2	Muscle state, tone and power	1 hour	Physiology
3	DNA extraction	40 min	Biochemistry
4	Plexiform neurofibroma, schwannoma and meningioma	30 min	Pathology
5	Free living amoebae	30 min	Parasitology
FACE TO FACE PRACTICAL SECTIONS			
1	Vibration and sense of position	2 hours	Physiology
2	Muscle state, tone and power	2 hours	Physiology
3	DNA extraction	2 hours	Biochemistry
4	Plexiform neurofibroma, schwannoma and meningioma	1 hour	Pathology
5	Free living amoebae	1 hour	Parasitology
TBL			
1	The Eye	1 hour	Parasitology
ONLINE FORMATIVE EXAM			
1	Formative exam	20 min	All departments
ONLINE VIRTUAL MEETING			
1	Parasites affecting the CNS and special sense organs	1 hour	Parasitology

۲	DNA extraction	۱ hour	Biochemistry
۳	Touch, pain and temperature	۱ hour	Physiology
STUDENT DEPENDENT LEARNING			
۱	Motor Ataxia	۳ hours	Physiology
۲	Medulloblastoma	۳ hours	Pathology
۳	Difference between eukaryotic and prokaryotic promoter	۱,۵ hours	Biochemistry

WEEK ٤ FROM ٢/١/٢٠٢١ TO ٨/١/٢٠٢١			
No	ONLINE LECTURES	TEACHING HOURS	TEACHER/FACILITATOR
١	Cerebellum and limbic system	١ hour	Physiology
٢	Higher brain functions	١ hour	Physiology
٣	Autonomic nervous system	١ hour	Physiology
٤	Genetic code, protein synthesis and mutation	٤٠ min	Biochemistry
٥	Loa loa, Onchocercus volvulus and Dracunculus medininsis	٣٠ min	Parasitology
FACE TO FACE INVERTED LECTURES			
١	Cerebellum, limbic system and higher brain functions	١ hour	Physiology
٢	Autonomic nervous system	١ hour	
٣	Genetic code, protein synthesis and mutation	١ hour	Biochemistry
٤	Tumors of the CNS	١ hour	Pathology
ONLINE PRACTICAL SECTIONS			
١	Superficial and deep reflexes	١ hour	Physiology
٢	Coordination and gait	١ hour	Physiology
٣	Revision	١ hour	Physiology
٤	Gel electrophoresis	٤٠ min	Biochemistry
٥	Glioblastoma multiforme and brain metastatic carcinoma	٣٠ min	Pathology
٦	Criteria, types and grading of CNS tumors): Online	٣٠ min	Pathology
FACE TO FACE PRACTICAL SECTIONS			
١	Superficial and deep reflexes	٢ hours	Physiology
٢	Coordination and gait Revision	٢ hours	Physiology
٣	Gel electrophoresis	٢ hours	Biochemistry
٤	Glioblastoma multiforme and brain metastatic carcinoma	١ hour	Pathology
TBL			
١	Brain mass and abnormal gait	١ hour	Pathology
ONLINE INTEGRATED QUIZ			
١	Second integrated quiz	١٠ min	All departments
ONLINE VIRTUAL MEETING			

١	Tumors of the CNS: Criteria, types and grading	١ hour	Pathology
٢	Genetic code, protein synthesis and mutation	١ hour	Biochemistry
٣	Cerebellum, limbic system and higher brain functions	١ hour	Physiology
٤	Autonomic nervous system	١ hour	Physiology
STUDENT DEPENDENT LEARNING			
١	Tremors	٣ hours	Physiology
٢	Splicing	١ hour	Biochemistry

Endocrine

University: Menoufia

Faculty: Medicine

A - Administrative Information

Module Title : Endocrine

Code No: ENDO ٣١٠١

Departments offering the module: Pathology, Anatomy, Physiology, Histology, Biochemistry

Credit hours: ٦

Endocrine module	
Online First week	
Online lessons	Time
Lecture (١): Anatomy lecture under the title of anatomy and development of hypothalamus and pituitary gland	٤٠ minutes

Practical Session (١): Anatomy practical session under the title of Hypothalamus-pituitary gland	١ hour
Practical Session (٢): Anatomy practical session under the title of Hypothalamus-pituitary gland	١ hour
Lecture (٣): Histology of pituitary gland and pineal body	٤٠ minutes
Lecture (٣): Histology of thyroid, parathyroid and suprarenal glands	٤٠ minutes
Practical Session (٣): Histology practical session under the title of histology of pituitary gland	٤٠ minutes
Practical Session (٤): Online Histology practical session under the title of histology of thyroid, parathyroid and suprarenal glands	٤٠ minutes
Lecture (٤): Biochemistry lecture under title of classification and mechanism of action of hormones	٤٠ minutes
Lecture (٥): physiology lecture under the title of Insulin and glucagon hormones	٤٠ minutes
Lecture (٦): physiology lecture under the title of Somatostatin and disorders of endocrine pancreas	٤٠ minutes
Endocrine module	
Lecture (٧): Physiology lecture under the title of Anterior pituitary	٤٠ minutes
Practical Session (٥): Online physiology practical session under the title of Diabetes mellitus and Tests for glucose tolerance	٢ hours

Practical Session (٦): Physiology practical session under the title of Short stature and diabetes insipidus	٢ hours
Activity (٧): Online discussion and virtual meeting	٣ hours
Online second week	
Lecture (٨): Anatomy lecture under the title of Anatomy of thyroid gland	٤٥ minutes
Lecture (٩): Anatomy lecture under the title of Anatomy of parathyroid gland, development of thyroid and parathyroid glands	٤٥ minutes
Practical Session (١٠): Anatomy practical session under the title of Thyroid and parathyroid	١ hour
Practical Session (١١): Histology practical session under the title of Revision	٤٥ minutes
Lecture (١٢): Physiology lecture under the title of Abnormalities of growth hormone secretion	٤٥ minutes
Lecture (١٣): Physiology lecture under the title of Posterior pituitary.	٤٥ minutes
Lecture (١٤): Physiology lecture under the title of Thyroid gland	٤٥ minutes
Endocrine module	
Lecture (١٥): Physiology lecture under the title of Calcium homeostasis	٤٥ minutes
Practical Session (١٦): Physiology practical session under the title of Thyroid functions test	١ hour

Practical Session (١٠): Physiology practical session under the title of Calcium homeostasis	١ hour
Lecture (١٤): Biochemistry lecture under the title of Biochemistry of thyroid and pancreatic hormones	٤٥ minutes
Practical Session (١١): Biochemical causes of hypo and hyper secretion of thyroid and pancreatic hormones	٣٠ minutes
Practical Session (١٢): Biochemical causes of hypo and hyper secretion of pituitary hormones	٣٠ minutes
Lecture (١٥): Pharmacology lecture under the title of Antidiabetic drugs (Insulin)	٤٥ minutes
Lecture (١٦): Pharmacology lecture under the title of Oral antidiabetic drugs	٤٥ minutes
Lecture (١٧): pharmacology lecture under the title of Thyroid hormones and antithyroid drugs	٤٥ minutes
Practical Session (١٣): Pharmacology practical session under the title of Case of Diabetes	٤٥ minutes
Practical Session (١٤): Pharmacology practical session	٤٥ minutes

Endocrine module	
under the title of case of hyper and hypothyroidism	
Activity (٢): Online discussion and virtual meeting	
First Quiz (Physiology and Histology)	
Third week	
Lecture (١٨): Anatomy lecture under the title of Anatomy and development of suprarenal gland and anatomy of pineal body	٤٥ minutes
Practical section (١٥): Anatomy practical session under the title of adrenal gland and pineal body	١ hour
Practical section (١٦): Anatomy practical session under the title of revision	١ hour
Practical section (١٧): Anatomy practical session under the title of revision	١ hour
Lecture (١٩): Physiology lecture under the title of Disorders of calcium regulation	٤٥ minutes
Lecture (٢٠): physiology lecture under the title of Adrenal hormones	٤٥ minutes
Lecture (٢١): physiology lecture under the title of Disorders of adrenal functions	٤٥ minutes
Lecture (٢٢): physiology lecture under the title of Pineal gland and endocrine thymus & adipose tissue	٤٥ minutes
Practical Session (١٨): Physiology section under the	١ hour

Endocrine module	
title of Adrenal functions test	
Practical Session (١٩): Biochemistry practical session under the title of Radioimmunoassay and immunofloresence	٣٠ minutes
Lecture (٢٢): Pathology lecture under the title of pathology of thyroid gland and Diabetes Mellitus	٤٠ minutes
Practical Session (٢٠): pathology practical session under the title of Thyroid gland pathology	٥٥ minutes
Lecture (٢٤): Pharmacology lecture under the title of Corticosteroids	٤٥ minutes
Lecture (٢٥): Pharmacology lecture under the title of Drugs affecting Calcium metabolism	٤٥ minutes
Practical Session (٢٠): Pharmacology practical session under the title of Case on corticosteroid use	٤٥ minutes
Practical Session (٢١): pharmacology session under the title of case of osteoprosis	٤٥ minutes
Activity (٢): Online discussion & virtual meeting	
Online second Quiz (pathology, physiology, pharmacology, anatomy and biochemistry)	٢ hours

7th Semester

Basic Clinical examination

University: Menoufia

Faculty: Medicine

A - Administrative Information

Module Title : Basic Clinical examination

Code No: BME ٣٢٠١

Departments offering the module: Internal medicine, General surgery, Family medicine

Credit hours: ٢.٥

Course Contents

Week ١	
Online lectures	Duration
Lecture ١: Medical ethics	١ hr
Lecture ٢: Patient compliance	١ hr
Lecture ٣: History taking and Approach to patients	١ hr
Lecture ٤: Common medical symptoms	١ hr
Lecture ٥: Introduction to clinical practice in surgery	١ hr
Lecture ٦: History taking of common surgical presentations	١ hr
Lecture ٧: Common specific medical symptoms	١ hr
Lecture ٨: General Examination	١ hr
Lecture ٩: Ulcers in surgical practice	١ hr
Face to face lectures	
Inverted Lecture	١,٥ hr
Inverted Lecture	١,٥

Inverted Lecture	1,0
TBL (Medical consent)	1,0
Face to face Practical	
Clinical Round 1: Patient Interview	1,0 hr
Clinical Round 2: History Taking – I	1,0 hr
Clinical Round 3: History taking -II	1,0 hr
Clinical Round 4: Specific medical history taking	1,0 hr
Clinical Round 5: Analysis of common surgical complains	1,0 hr
Clinical Round 6: General Examination	1,0 hr
Clinical Round 7: Examination of an ulcer	1,0 hr

Week ٢	
Online lectures	Duration
Lecture ١٠: Local (systemic) examination	١ hr
Lecture ١١: Swellings in surgical practice	١ hr
Lecture ١٢: Lymphadenopathy	١ hr
Lecture ١٣: Principles of abdominal examination	١ hr
Lecture ١٤: Reporting History and Examination	١ hr
Lecture ١٥: Patient education	١,٥ hr
Lecture ١٦: Infection Control Measures	١,٥ hr
Face to face lectures	
Inverted Lecture	١,٥ hr
Inverted Lecture	١,٥ hr
TBL (Abdominal pain)	١,٥ hr
Face to face Practical	
Clinical Round ٨: Local systemic examination (Chest – Heart)	١,٥ hr
Clinical Round ٩: Local systemic examination (Neuro – Rheumatology)	١,٥ hr
Clinical Round ١٠: Examination of a swelling	١,٥ hr
Clinical Round ١١: Examination of generalized lymphadenopathy	١,٥ hr
Clinical Round ١٢: Abdominal examination I	١,٥ hr
Clinical Round ١٣: Abdominal examination II	١,٥ hr
Clinical Round ١٤: Family health record	١,٥ hr
Clinical Round ١٥: Genogram	١,٥ hr

Primary health care and elderly care

University: Menoufia

Faculty: Medicine

A - Administrative Information

Module Title : Primary health care and elderly care

Code No: **PHC/ELD ٣٢٠٤**

Departments offering the module: Internal medicine, Public health, Family medicine

Credit hours: ٢.٥

Course Contents

Module Syllabus

Week ١ - Primary Health Care	
Online lectures	Duration
Levels of health care	١ hr
PHC principles, strategy, and elements	
Principles of family medicine	١ hr
Family types and dynamics	١ hr
Family physician Family health team	١ hr
BBP	١ hr
Referral	١ hr
Health indicators	١ hr
Face to face lectures	
Inverted Lecture	١,٥
Inverted Lecture	١,٥
TBL	١,٥

Face to face Practical	
-Family types and dynamics	1,0 hr
- BBP	1,0 hr
-Referral	1,0 hr
-Indicators for utilization of care	1,0 hr
-Indicators for quality of life	1,0 hr
Week 2 – Elderly Care	
Online lectures	Duration
- Introduction to geriatric medicine	1 hr
- Health related Problems in the elderly	
-Anticipatory care for elderly (Assessment and Screening for geriatric health problems)	1 hr
Comprehensive geriatric care	1 hr
-Functional Domains	
-Cognitive and psychic domains	
Common medical and non-medical health problems as: Falls, incontinence, psychological deterioration	1 hr
Common health problems and their management in elderly patients (renal, endocrine, hepatology)	1 hr
Common health problems and their management in elderly patients (rheumatological and hematology)	1 hr
Nutrition and geriatric	1 hr
-Care of dying patients	1 hr
Face to face lectures	
Inverted Lecture	1,0 hr
Inverted Lecture	1,0 hr
Inverted Lecture	1,0
TBL	1,0 hr
Face to face Practical	
Community services for the elderly	1,0 hr
Approach to geriatric patient (Fulfil checklist for geriatric assessment)	1,0 hr
Interview with geriatric patient with common aging health problems	1,0 hr

History and general examination of geriatric patients	١,٥ hr
local examination of geriatric patients	١,٥ hr
Nutrition assessment of elderly	١,٥ hr

Child Health

University: Menoufia

Faculty: Medicine

A - Administrative Information

Module Title : Child health

Code No: **PHC/ELD ٣٢٠٤**

Departments offering the module: Public health, Family medicine, Pediatrics

Credit hours: ٢.٥

Course Contents

Week ١	
Online lecture	Duration
Lecture (١): Child health service	١ hr
Lecture (٢): Anticipatory care for child and adolescents	١ hr
Lecture (٣): Growth and development	١ hr
Lecture (٤): Immunization	١ hr
Lecture (٥): Breast feeding	١ hr
Lecture (٦): Breast feeding counselling	١ hr
Lecture (٧): Weaning and formula feeding	١ hr
Lecture (٨): IMCI	١ hr
Inverted face to face lectures and TBL	
Inverted lecture (١): Face to face pediatric lecture under the title of growth, development, and nutrition in infancy	١,٥ hrs
Inverted lecture (٢): Face to face community medicine lecture under the title of child health services and immunization	١,٥ hrs
TBL: Face to face team-based learning lecture under the title of failure to thrive.	١,٥ hrs
Practical	

Nutritional and developmental history	1,0 hrs
Cold chain vaccine	1,0 hrs
Vaccination	1,0 hrs
Anthropometric measures	1,0 hrs
Nutritional classifications	1,0 hrs
Neck, and extremities examination	1,0 hrs
Breast feeding counselling	1,0 hrs
IMCI	1,0 hrs
Week 2	
Online lecture	Duration
PEM, Rickets--	1 hr
Basic of genetics	1 hr
Chromosomal aberrations Chromosomal disorders	1 hr
Patterns of inheritance	1 hr
Mental retardation and genetic counselling	1 hr
Neonatal screening	1 hr
Adolescents	1 hr
Inverted face to face lectures and TBL	
Lecture (1): Face to face pediatric lecture under the title of genetics in pediatrics	1,0 hrs
Lecture (2): Face to face family medicine lecture under the title of anticipatory care and adolescents.	1,0 hrs
Lecture (3): Face to face pediatric lecture under the title of	1,0 hrs
TBL: Face to face team based learning lecture under the title of genetic/congenital disease with impact in adolescence . (congenital hypothyroidism / XL-R diseases : G1PDD)	1,0 hrs
Practical	
PEM	1,0 hrs
Nutritional Rickets	1,0 hrs
Pediatric Clinical spots	1,0 hrs
Head, face examination	1,0 hrs
Down syndrome	1,0 hrs
Adolescent care	1,0 hrs
Adolescent interview	1,0 hrs

Investigations

University: Menoufia

Faculty: Medicine

A - Administrative Information

Module Title : Investigations

Code No: **CPATH, RAD**

Departments offering the module: Clinical Pathology, Radiodiagnosis

Credit hours: ٢.٥

Course Contents

Week ١	
Online lectures	Duration
Lecture ١: Endocrine Disorders and Diabetes mellitus.	١
Lecture ٢: Kidney and Liver function tests & related diseases.	١
Lecture ٣: Acid base balance.	١
Lecture ٤: Enzymes and Cardiac Markers	١
Lecture ٥: Nosocomial infections, Urinary tract infections, Meningitis and Septicemia.	١
Lecture ٦: Introduction to radiology and diagnostic imaging.	١
Lecture ٧: Imaging of Genito-urinary system.	١
Lecture ٨: Imaging of gastro intestinal system.	١
Inverted face to face lectures	
Inverted Lecture – Clinical Pathology: Nosocomial infections:	١,٥

Inverted Lecture – Clinical pathology : Clinical cases on hormonal, renal and acid base disorders/ nosocomial Infections	١,٥
Inverted Lecture – Radiology : clinical cases on genitourinary and GIT imaging.	١,٥
Team based learning (Coma)	١,٥
Face to face Practical	
Clinical Round ١: Urine Analysis.	١,٥
Clinical Round ٢: ABG	١,٥
Clinical Round ٣: Introduction to radiology and diagnostic imaging	١,٥
Clinical Round ٤: Imaging of Genito-urinary system.	١,٥
Clinical Round ٥: Microbiological sampling- Culture medias	١,٥
Clinical Round ٦: Imaging of gastro intestinal system.	١,٥
Clinical Round ٧: Self-directed learning: (Microbiological culture)	١,٥
Week ٢	
Online lectures	Duration
Lecture ٩: RBC, WBCs & related disorders.	١
Lecture ١٠: Hemostasis & coagulation.	١
Lecture ١١: Markers of viral infections.	١
Lecture ١٢: Disorders of immune system: Hypersensitivity, Autoimmunity, Immunodeficiency	١
Lecture ١٣: Imaging of central nervous system.	١
Lecture ١٤: Imaging of Musculo-skeletal system.	١
Lecture ١٥: Imaging of thorax.	١
Inverted face to face lectures	

Inverted Lecture Clinical Pathology : Clinical cases on WBCs disorders/ immune disorders	١,٥
Inverted Lecture - Radiology: clinical cases on CNS, Msk and chest imaging.	١,٥
Team based learning (COVID ١٩)	
Face to face Practical	
Clinical Round ٨: CBC, PT, PTT and blood grouping.	١,٥
Clinical Round ٩: ESR, Retics, blood cell morphology	١,٥
Clinical Round ١٠: Imaging of central nervous system.	١,٥
Clinical Round ١١: Imaging of Musculo-skeletal system.	١,٥
Clinical Round ١٢: Principles of various immunoassay	١,٥
Clinical Round ١٣: Imaging of thorax.	١,٥
Clinical Round ١٤: Self-directed learning (Microbiological media)	١,٥
Clinical Round ١٥: Self directed learning (Immunological techniques)	١,٥

Dermatology

University: Menoufia

Faculty: Medicine

A - Administrative Information

Module Title : Dermatology

Code No: **DERMA ٣٢٠٢**

Departments offering the module: Dermatology

Credit hours: ٢

Course Contents

Week 1	
Online lectures	Duration
Lecture (1): Anatomy & physiology of human skin and its appendages	1 hour
Lecture (2): Nonspecific bacterial infections	1 hour
Lecture (3): Fungal infection	1 hour
Lecture (4): Specific Bacterial infection: (TB – leprosy)	1 hour
Lecture (5): Viral infections	1 hour
Lecture (6): Hair disorders	1 hour
Lecture (7): Parasitic infestations	1 hour
Face to face lectures	
Inverted lecture :Anatomy & Function of the Skin.	2 hours
Inverted Lecture: Non specific Bacterial Infection.	2 hour
Face to face Practical	
Clinical session (1): Fungal Infection 1	1,5 hour
Clinical session (2): Fungal Infection 2	1,5 hour
Clinical session (3): Specific Bacterial Infection (1)	1,5 hour
Clinical session (4): Specific Bacterial Infection (2)	1,5 hour
Clinical session (5): Viral Infection 1	1,5 hour
Clinical session (6): Viral Infection 2	1,5 hour
Clinical session (7): Hair Disorders.	1,5 hour
Clinical session (8): Parasitic infestations	1,5 hour
Week 2	
Online lectures	Duration
Lecture (1): Papulosquamous disorders	1 hour

Lecture (١٠): Skin allergic disorders	١ hour
Lecture (١١): Pigmentary disorders of the skin	١ hour
Lecture (١٢): Revision	٢ hours
Face to face lectures	
Inverted lecture: Papulosquamous Disorders	٢ hours
Face to face Practical	
Clinical session (٧): Allergic Reactions.	١,٥ hour
Clinical session (٨): Pigmentary disorders	١,٥ hour
Clinical session (٩): Revision ١	١,٥ hour
Clinical session (١٠): Revision ٢	١,٥ hour

Community Medicine

University: Menoufia

Faculty: Medicine

A - Administrative Information

Module Title : community medicine

Code No: COM ٣٢٠٣

Departments offering the module: Public health and community medicine

Credit hours: ٥

Course Contents

Week 1	
Online lectures	Duration
Surveillance & screening	2 hours
Public Health Administration	2 hours
Quality assurance	2 hours
Face to face lectures	
Inverted Lecture: Surveillance & screening	1.0 hour
Inverted Lecture: Health Administration	1.0 hour
Inverted Lecture: Quality assurance	1.0 hour
Face to face Practical	
Clinical session (1): Natural history of the disease & epidemiological triad	1.0 hour
Clinical session (2): Screening Problem solving	1.0 hour
Clinical session (3): Infectious cycle	1.0 hour
Clinical session (4): Food born infection: Problem solving	1.0 hour
Clinical session (5): Viral hepatitis: Problem solving	1.0 hour
Clinical session (6): Health education: Tutorial	1.0 hour
Week 2	
Online lectures	Duration
Epid. of non-communicable diseases	2 hours
Basic nutrition+ Malnutrition	2 hours
STD+ Contact transmitted diseases	2 hours
Face to face lectures	
Inverted Lecture: Epid. of non-communicable diseases	1.0 hour
Inverted Lecture: Basic nutrition+ Malnutrition	1.0 hour
Inverted Lecture: STD+ Contact transmitted diseases	1.0 hour
Face to face Practical	
Clinical session (7): Hypertension	1.0 hour
Clinical session (8): diabetes	1.0 hour
Clinical session (9): Droplet : Problem solving	1.0 hour
Clinical session (10): Diet planning & nutritional assessment	1.0 hour
Clinical session (11): Nutritional anemia	1.0 hour
Clinical session (12): Diet therapy: Tutorial	1.0 hour
Week 3	
Online lectures	Duration
Arthropod borne infection+ Parasitic infection	2 hours
Smoking & drug addiction	2 hours
Droplet infection +Mental health (Handicapping and disabilities)	2 hours
Face to face lectures	
Inverted Lecture: Arthropod borne infection+ Parasitic infection	1.0 hour
Inverted Lecture: Smoking & drug addiction	1.0 hour

Inverted Lecture: Droplet infection +Mental health (Handicapping and disabilities)	1,0 hour
Face to face Practical	
Clinical session (13): Arthropod born: Problem solving	1,0 hour
Clinical session (14): STD: Problem solving	1,0 hour
Clinical session (15): Contact transmitted disease :problem solving	1,0 hour
Clinical session (16): Emerging& re-emerging diseases	1,0 hour
Clinical session (17): School health: Tutorial	1,0 hour
Clinical session (18): Quiz	1,0 hour
Week 4	
Online lectures	Duration
Occupational-heath program+ Zoonotic diseases	2 hours
Water sanitation+ Food sanitation	2 hours
Air sanitation	2 hours
Face to face lectures	
Inverted Lecture: Occupational-heath program+ Zoonotic diseases	1,0 hour
Inverted Lecture: Water sanitation+ Food sanitation	1,0 hour
Inverted Lecture: Air sanitation	1,0 hour
Face to face Practical	
Clinical session (19): Food sanitation –scenario (field visit)	1,0 hour
Clinical session (20): Water sanitation scenario (field visit)-	1,0 hour
Clinical session (21): Outbreak investigation: Tutorial	1,0 hour
Clinical session (22): Self Directed Learning	1,0 hour
Clinical session (23): Self directed learning	1,0 hour
Clinical session (24): Self directed learning	1,0 hour
Week 5	
Online lectures	Duration
Pneumoconiosis	2 hours
Heat disorders+ Pressure disorders	2 hours
Heavy metals+ Radiation	2 hours
Face to face lectures	
Inverted Lecture: Pneumoconiosis	1,0 hour
Inverted Lecture: Heat disorders+ Pressure disorders	1,0 hour
Inverted Lecture: Heavy metals+ Radiation	1,0 hour
Face to face Practical	
Clinical session (25): Evaluation of heat stress and strain	1,0 hour
Clinical session (26): Tuberculin & Widal test	1,0 hour
Clinical session (27): Factory visit scenario (field visit)	1,0 hour
Clinical session (28): Pulmonary function tests	1,0 hour
Clinical session (29): Noise	1,0 hour

Clinical session (٣٠): Quiz	١,٥ hour
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Oncology

University: Menoufia

Faculty: Medicine

A - Administrative Information

Module Title : Oncology

Code No: **ONCO ٣٢٠٧**

Departments offering the module: Clinical Oncology and Nuclear Medicine

Credit hours: ١

Course Contents

Online lectures	Duration
Lecture ١: Basics of Cancer Diagnosis & EarlyDetection	١ hr
Lecture ٢: Basics of Chemotherapy.	١ hr
Lecture ٣: Basics of Targeted and HormonalTherapy.	١ hr
Lecture ٤: Basics of Radiotherapy.	١ hr
Lecture ٥: Basics of nuclear medicine.	١ hr
Lecture ٦: Basics of Palliative Care.	١ hr
Face to face lectures	
Inverted Lecture	١,٥

TBL	١,٥
Face to face Practical	
Clinical Round ١: Identify the component and the team of chemotherapy unit	١,٥ hr
Clinical Round ٢: How to manage chemotherapy toxicity (real and simulated patients)	١,٥ hr
Clinical Round ٣: Identifications the team and the components of radiotherapy unit	١,٥ hr
Clinical Round ٤: Identify how the patient receive the radiation session	١,٥ hr
Clinical Round ٥: Identify the team and the component of nuclear medicine unit	١,٥ hr
Clinical round ٦: How to read a report of bone scan, renogram and thyroid scan.	١,٥ hr

Clinical Psychology

University: Menoufia

Faculty: Medicine

A - Administrative Information

Module Title : Clinical Psychology

Code No: PSYCH ٣٢٠٨

Departments offering the module: Neuropsychiatry department

Credit hours: ١

Course Contents

Theoretical part

Topic	Teaching hours
I-Developmental aspects of behavior	1 hr
II -Cognitive aspect of behavior I	1 hr
III -Cognitive aspect of behavior II	1 hr
IV -Affective aspect of behavior	1 hr
V- Thinking aspect of behavior	1 hr
VI-Developmental aspects of behavior	1 hr

Practical part:

Topic	Teaching hours
I-Cognitive behavioral therapy I	1,0 hrs
II-Cognitive behavioral therapy II	1,0 hrs
III- Affective assessment scales I	1,0 hrs
IV - Affective assessment scales II	1,0 hrs
V-Psychological tests. Part I	1,0 hrs
VI- Psychological tests. Part II	1,0 hrs