

CNS Detailed Schedule

Subject	Week	Face to face	Recorded	Instructor
Anatomy	1	-Introduction -Spinal cord 1 -Spinal cord 2 -Spinal cord 3		Prof. Mohammad Alsalem
	2	-Brain stem 1 -Brain stem 2	-Spinal cord lesions	
	3		-Brain stem 3 -Brain stem lesions	
	3	- Sulci and gyri of the brain		Dr. Maha Beltagy
	4	-Broadman's areas and lesions -Lateral ventricle	- Basal Nuclei	
	5	-Third and 4 th ventricles and CSF circulation - Anatomy of the cerebellum	- Diencephalon	
	6	-Blood supply of the CNS and the effect of their lesions	-Development of the CNS	
Anatomy Lab		-Spinal cord	1	Prof. Mohammad Alsalem
		-Brain stem	3	
		- General outline of CNS structures, surfaces of the brain, basal nuclei and internal capsule	3	Dr. Maha Beltagy
		- Sections of the brain (sagittal, coronal and horizontal)	4	
		- Blood supply, types of hemorrhage, cerebellum CSF circulation CT and MRI (lesions) (online)	5	
		-Dissection and sectioning of the brain.	6	
Physiology	1	-Somatic sensations 1 -Somatic sensations 2	- Somatic sensations 4 - Olfaction and gustation	Dr. Fatima Ryalat

	2	-Somatic sensations 3 -Vision 1 -Vision 2		And Prof. Faisal Mohammad
	3	-Hearing -Vestibular system		
	3	-Brain stem motor function -Cerebellum motor function		
	4	-Cerebellum motor function -Motor cortex function	-Motor System: Spinal cord motor function	
	5	-Cerebral cortex: Intellectual Functions -Cerebral cortex: Intellectual Functions	- Basal Ganglia Motor Function	
	6	-Reticular activating System and sleep		
Physiology Lab		Please contact your instructors for more information		Dr. Fatima Ryalat and Prof. Faisal Mohammad
Biochemistry	1		-Visual transduction	Prof. Mamoun Ahram
	2		-Synthesis of neurotransmitters	
	6		-Stem cells and neurodegenerative diseases 1 -Stem cells and neurodegenerative diseases 2	Dr. Diala Abu-Hassan
Pathology	2	-Stroke and increased intracranial pressure	-Brain hemorrhage	Dr. Heyam Awad
	3	-Demyelination of the CNS		
	4	-Neurodegenerative disease (dementias) 1 -Neurodegenerative disease (movement disorders) 2	-Neurodegenerative disease (cerebellum and motor cortex) 3	Dr. Manar Hajeer
	6	-CNS tumors 1 -CNS tumors 2	-CNS tumors 3	
Pharmacology		-Narcotics -Hypnotics and anaxylatics		Prof. Malek Zihlif

		-Local anesthesia ☐ -General anesthesia -Abuse of drugs -Anti depressants -Anti psychotics and lithium -Alzheimer's disease -Parkinson's disease -Skeletal muscle relaxants and anticonvulsants These are the topics, please contact the pharmacology instructor for more details on lecture titles and distribution between on-campus and online.		
Microbiology	1	-Acute bacterial meningitis	-Acute and chronic meningitis	Dr. Anas Abu Humeidan
	2	-Viral encephalitis and fungal CNS infections	-Space occupying infectious lesions and transmissible spongiform encephalopathies	
	3	- Pathogens with clinical implications in PNS		
Behavioral sciences	1	-Introduction to psychology	-Learning	Dr. Mohammad Al Rashdan
		-Neurochemistry		
	2	-Individual differences (Intelligence)	-Memory	
		-Individual differences (personality)		
	3	-The sick role and illness behavior		
		-Placebo effect		
	5	-Communication skills	-Eating	
		-Stress		
	6		-Sleep	