

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 and Dr. Maha Beltagy
	2	-Spinal cord 4 -Brain stem 1 -Brain stem 2	-Spinal cord lesions	
	3		-Brain stem 3 -Brain stem lesions	
	4	-General histology and Gross anatomy of the cerebrum -Functional areas (Broadman's classification) and their lesions	-Fibers of the brain and anatomy of basal nuclei	
	5	-Ventricular system 1 (Anatomy of lateral and third ventricle) -Ventricular system 2 (Anatomy of the fourth ventricle and CSF circulation)	-Anatomy of the Diencephalon (Thalamus, hypothalamus, Metathalamus, Epithalamus and Subthalamus)	
	6		-General development of the CNS and congenital anomalies -Sections of the brain (Axial, coronal and sagittal)	
	7	-Anatomy of human cerebellum -Blood supply of the CNS and effect of lesion		
Anatomy Lab		5 labs (2 for mid and 3 for final) please contact your instructor for more information		Prof. Mohammad Alsalem and Dr. Maha Beltagy
Physiology	1	-Somatic sensations 1 -Somatic sensations 2	-Somatic sensory pathways	Dr. Fatima Ryalat
	2	-Pain -Vision 1 -Vision 2	-Smell -Taste	
	3	-Vision 3 -Hearing		
	4	-Vestibular system -Basal nuclei -Cerebral cortex	-Spinal cord reflexes -Brain Stem	
	5	-Limbic system -Learning and memory	-Cerebellum -Brain activity	

		-Emerging topics		
Physiology Lab		2 labs for final please contact your instructor for more information		Dr. Fatima Ryalat
Biochemistry	2 3 6 7		-Visual transduction -Synthesis of neurotransmitters -Stem cells and neurodegenerative diseases 1 -Stem cells and neurodegenerative diseases 2	Prof. Mamoun Ahram Dr. Diala Abu-Hassan
Pathology	1 1 4 5 7	-Thrombotic stroke and increased intracranial pressure -Myelin diseases of the CNS -Neurodegenerative disease 1 -Neurodegenerative disease 2 -CNS tumors 1 -CNS tumors 2 -CNS tumors 3	-Hemorrhagic stroke and causes of intracranial hemorrhage - Myelin diseases of the PNS -Neurodegenerative disease 3 and metabolic diseases	Dr. Heyam Awad Dr. Manar Hajeer Dr. Maram Abd Aljaleel
Pathology lab		1 lab for final please contact your instructor for more information		Dr. Manar Hajeer
Pharmacology	1 2 3 4 5	-Narcotics -Hypnotics and anaxylatics -Local anesthesia -General anesthesia -Abuse of drugs For more details on lecture titles and distribution, please contact subject instructors	-Anti depressants -Anti psychotics and lithium -Alzheimer's disease -Parkinson's disease -Skeletal muscle relaxants and anticonvulsants	Prof. Malek Zihlif and Dr. Samar Huneiti
Microbiology	3 5	-Acute bacterial meningitis -Viral encephalitis and fungal CNS infections	-Acute and chronic meningitis	Dr. Anas Abu Humeidan

		- Pathogens with clinical implications in PNS	-Space occupying infectious lesions and transmissible spongiform encephalopathies	
Behavioral sciences	1	-Introduction to psychology		Dr. Zaid Alkayed
	2	-Human development		
	3	-Neurochemistry		
	4	-Individual differences (Intelligence)		
	6	-Individual differences (personality)		
	7	-The sick role and illness behavior	-Memory	
		-Stress	-Eating	
		-Learning	-Sleep	