

University of South Alabama College of Medicine

2009 Summer Medical Neuroscience Schedule

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<i>Wednesday June 3</i>	
9:00-10:15 Orientation: External Brain Anatomy	1 TG
10:15-11:15 Blood Supply I	1 TG
1:00-3:00 Lab 1: External Brain	2
<i>Thursday June 4</i>	
9:00-10:00 Blood Supply II and Vascular Injury	1 TG
10:00-11:00 Neuroimaging	1 JS
1:00-3:00 Lab 2: Midline Structures & Vasculature	2
<i>Friday June 5</i>	
9:00-12:00 Meninges, CSF Compartment & Vascular Pathology	3 JS
1:00-2:00 High Yield Neurodevelopment	1 TG
<i>Monday June 8</i>	
9:00-10:00 Congenital Disorders of the CNS	1 JS
10:00-12:00 Lab 3: Slice Anatomy (Gross, Radiologic and 3-D)	2
<i>Tuesday June 9</i>	
9:00-10:00 CNS Trauma	1 JS
10:00-12:00 Lab 4: Gross Neuropathology Cases	2
1:00-2:30 Case Session 1: Intracranial Bleeds	1.5
<i>Wednesday June 10</i>	
9:00-10:00 Electrical Properties of Neurons	1 JS
10:00-12:00 Neurotransmitter & Synapse Overview	2 TG
1:30-2:30 Neurotoxins	1 TG
2:30-3:00 Myelin: Form, Function, Role in Axon Regeneration	1 TG
<i>Thursday June 11</i>	
9:00-10:00 Demyelinating disorders	1 JS
10:00-11:30 Somesthetic System I: DC-ML & Spinocerebellar Pathways	1.5 TG
1:00-2:00 Somatosensory Processing	1 TG
<i>Friday June 12</i>	
9:00-12:00 EXAM 1 (through Demyelinating Disorders)	3
2:00-3:30 Somesthetic System II: Anterolateral System & Descending Pain Suppression Pathways	1.5 TG
3:30-4:30 Nociception, Pain & Temperature Processing	1 TG

Monday June 15

9:00-11:00	Motor Overview: Planning, Programs, Reflexes & UMN Pathways	2 TG
11:00-12:00	Motor Neuron Disease/Peripheral Neuropathy	1 JS
1:00-2:00	Lab 5: Spinal Cord	1

Tuesday June 16

9:00-10:30	Cerebellum	1.5 JS
10:30-12:00	Basal Ganglia	1.5 JS
2:00-3:30	Case Session 2: Spinal Cord Lesions	1.5

Wednesday June 17

9:00-10:00	Visual Afferent Pathways	1 TG
10:00-11:00	Visual Processing	1 TG
11:00-12:00	Lab 8: Visual Afferent Pathway (Gross/Radiologic/Slide/3-D)	1
1:00-2:00	Brainstem Organization	1 TG
2:00-3:00	Auditory Processing	1 TG

Thursday June 18

9:00-10:00	Auditory Pathways	1 TG
10:00-11:00	Brainstem: CN 9-12	1 TG
11:00-12:00	Lab 6: Cerebellum, Basal Ganglia & Thalamus (Gross/Radiologic/Images/3-D)	1
2:00-4:00	Case Sessions 3 & 4: Cerebellar & Basal Ganglia Lesions	2.5

Friday June 19

9:00-11:00	Brainstem: CN 3, 4 & 6; Visual Motor/Reflexes	2 TG
1:00-2:30	Brainstem: CN 5 & 7	1.5 TG
1		

Monday June 22

9:00-10:00	Gustation	
10:00-12:00	Lab 7: Cranial Nerve Nuclei Including Motor Vision Structures (Slide, Gross, 3-D)	1
1:30-3:00	Case Study 6: Visual Field Defects	1.5

Tuesday June 23

9:00-12:00 EXAM 2 (through auditory pathways) 3
2:00-3:00 Vestibular Pathways 1 TG

Wednesday June 24

9:00-10:00 Arousal, Sleep & Circadian Rhythms 1 TG
10:00-11:00 Organization of the Hypothalamus 1 TG
11:00-12:00 Central ANS Control I: Pathways, Horner's Syndrome 1 TG
2:30-4:00 Case Session 5: Brainstem Syndromes 1.5

Thursday June 25

9:00-10:00 Central ANS Control II: Autonomic Centers 1 TG
10:00-11:30 Olfaction & Limbic System 1 TG/JS
1:00-2:00 Learning & Memory Systems 1 TG

Friday June 26

9:00-10:00 Executive Processing & Prefrontal Cortex 1 TG
10:00-11:30 Localization & Lateralization of Cognitive Skills 1.5 TG
**1:30-2:30 Lab 9: Limbic, Subcortical & Basal Forebrain Structures
(Gross/Radiologic/Slide, 3-D)**

Monday June 29

9:00-10:00 Emotive, Drive & Addiction Pathways 1 JS
10:00-11:00 Aging Brain and Tauopathies 1 JS
11:00-12:00 Neurohistology/Neuro-oncology 1 JS
1:00-2:30 Case Session 7: Cortical Lesions 1.5

Tuesday June 30

9:00-12:00 Exam 3 (material from June 23 and comprehensive) 3

Wednesday July 1

9:00-11:00 NBME review

Thursday July 2

9:00-12:00 Core neuroscience NBME 2.5

Contact hrs

lecture 50
Labs 14
Cases 8.5
Exams 14.5

Total: 87