

# M1T3: Week 1

## Clinical & Basic Neuroscience

Time	Monday - 3/2	Tuesday - 3/3	Wednesday - 3/4	Thursday - 3/5	Friday - 3/6
8:00	PCS Lecture	Cranium Review, Spinal Cord Introduction, Cerebrospinal Fluid, and Cranial Meninges Dr. Penney	Development of the Nervous System Dr. Tersigni-Tarrant	Topography of the Brain, Blood Supply of CNS and Venous Drainage of the Brain Dr. Penney	Neurophysiology Overview Dr. Aduonum
9:00	PCS Lab Group B				Neural Membrane Potential I Dr. Aduonum
10:00					
10:30	PCS Lab Group A				
11:00					
12:00	Lunch	Lunch	Lunch	Lunch	
1:00	Overview of the CNS Dr. Tersigni-Tarrant	OMM Lecture: Costal Mechanics (Pre-Lab)	Medicine & Society: Occupational and Environmental Hazards: Noise Dr. Berkowitz		
2:00		OMM Lab: Costal Motion Testing and Articulatory Techniques	Medicine & Society: Occupational and Environmental Hazards: Ionizing and Non-Ionizing Radiation Dr. Berkowitz		
3:00					
4:00					

# M1T3: Week 2

## Clinical & Basic Neuroscience

Time	Monday - 3/9	Tuesday - 3/10	Wednesday - 3/11	Thursday - 3/12	Friday - 3/13
8:00	PCS Lecture	Spinal Cord I Dr. Penney	Neural Membrane Potential II Dr. Aduonum	Overview of the Brainstem Dr. Penney	
9:00	PCS Lab Group A	Spinal Cord II Dr. Penney	Neural Transmission and Action Potential Dr. Aduonum	Brainstem I Dr. Penney	Axonal Conduction and the Synapse Dr. Aduonum
10:00		Spinal Cord Pathways Dr. Penney	Chemical Transmission and Nerves & Glial Cells Dr. Komiskey	Brainstem II Dr. Penney	Neurophysiology Summary and Review Dr. Aduonum
10:30					
11:00	Answer Student Questions Dr. Penney				
12:00	Lunch	Lunch	Lunch	Lunch	Lunch
1:00	Neuroanatomy Lab: Lobes, Sulci & Gyri; Basal Surface and Midsagittal Section Dr. Tersigni-Tarrant Lead Instructor	OMM Lecture: Thoracic Outlet Syndrom	Medicine & Society: Vaccines and Immunizations Dr. Berkowitz	Neuroanatomy Lab: Spinal Cord, Brainstem, and Cranial Nerves Dr. Fisher Lead Instructor	
2:00		OMM Lab: Costal Cage Muscle Energy Technique			
3:00					
4:00					

# M1T3: Week 3

## Clinical & Basic Neuroscience

Time	Monday - 3/16	Tuesday - 3/17	Wednesday - 3/18	Thursday - 3/19	Friday - 3/20
8:00		Cranial Nerves I Dr. Penney		Independent Study	<b>Neuroscience Written &amp; Lab Exam #1</b>
9:00		Cranial Nerves II Dr. Penney			
10:00	Neurotransmitters, Receptors - Peptides Dr. Komiskey	Cranial Nerves III Dr. Penney			
10:30					
11:00	Neurotransmitters, Receptors - Amino Acids Dr. Komiskey	Answer Student Questions Dr. Penney			
12:00	Lunch	Lunch	Lunch		Lunch
1:00		OMM Lecture: Scoliosis Part I: Structural Scoliosis	Medicine & Society: Disaster and Emergency Planning: Overview Dr. Berkowitz	PCS Lecture	
2:00		OMM Lab: Costal Cage HVLA Thrust Technique	Medicine & Society: DISASTER Paradigm and Natural Disasters Dr. Berkowitz	PCS Lab Group B	
3:00					
4:00			Dean's Hour	PCS Lab Group A	

# M1T3: Week 4

## Clinical & Basic Neuroscience

Time	Monday - 3/30	Tuesday - 3/31	Wednesday - 4/1	Thursday - 4/2	Friday - 4/3
8:00	PCS Lecture	Forebrain I Dr. Penney	<b>OMM Written Exam #5</b>	Basal Ganglia I Dr. Penney	
9:00	PCS Lab Group A	Forebrain II Dr. Penney		Basal Ganglia II Dr. Penney	<b>Somatosensory Systems Dr. McWhorter</b>
10:00	PCS Lab Group B	Neuroanatomy Lab: Forebrain Dr. McWhorter Lead Instructor		Basal Ganglia III Dr. Penney	
10:30			Clinical Education Annual Hospital Day 11:00 am - 2:00 pm	Basal Ganglia Neurotransmitters Dr. Komiskey	
11:00					
12:00	<b>White Coat Picture</b>	Lunch		Lunch	Lunch
1:00		<b>OMM Practical Exam #5 Section B</b>	<b>OMM Practical Exam #5 Section A</b>		
2:00					
3:00					
4:00					

# M1T3: Week 5

## Clinical & Basic Neuroscience

Time	Monday - 4/6	Tuesday - 4/7	Wednesday - 4/8	Thursday - 4/9	Friday - 4/10
8:00		Limbic System I Dr. Penney			Olfaction and Taste Dr. Fisher
9:00		Limbic System II Dr. Penney	Hypothalamus and Pituitary Histology and Development Dr. McWhorter	Hypothalamus, Pituitary, Neroendocrine System Dr. Penney	
10:00	Neuroimaging 1&2 Dr. Katz	Limbic System III Dr. Penney			Visual System Dr. McWhorter
10:30					
11:00		Learning / Memory Dr. Aduonum	The Limbic System Neurotransmission Dr. Komiskey	Pituitary Dr. Aduonum	
12:00	Lunch	Lunch	Lunch	Lunch	Lunch
1:00		OMM Lecture: Innominate Mechanics and Dysfunction (Pre-Lab)	Medicine & Society: Explosive and Traumatic Events Dr. Berkowitz	PCS Lecture	
2:00		OMM Lab: Muscle Energy Technique Innominate Rotations	Medicine & Society: Nuclear and Radiological Events Dr. Berkowitz	PCS Lab Group B	
3:00			Introduction to Clinical Correlates Dr. Berkowitz		
4:00				PCS Lab Group A	

# M1T3: Week 6

## Clinical & Basic Neuroscience

Time	Monday - 4/13	Tuesday - 4/14	Wednesday - 4/15	Thursday - 4/16	Friday - 4/17
8:00	PCS Lecture	Independent Study		Independent Study	Neuroscience Written & Lab Exam #2
9:00	PCS Lab Group A		Auditory and Vestibular Systems Dr. McWhorter		
10:00	PCS Lab Group B				
10:30					
11:00					
12:00	Lunch	Lunch	Lunch	Lunch	
1:00	Neuroanatomy Lab: Major Fiber Systems Ventricular System, Hippocampus Formation Dr. McWhorter Lead Instructor	OMM Lecture: Scoliosis Part II: Functional Scoliosis	Medicine & Society: Biological and Chemical Events Dr. Berkowitz		
2:00		OMM Lab: HVLA Thrust Technique Innominate Rotations and Shears			
3:00			Neuroimaging 3&4 Dr. Katz		
4:00					

# M1T3: Week 7

## Clinical & Basic Neuroscience

Time	Monday - 4/20	Tuesday - 4/21	Wednesday - 4/22	Thursday - 4/23	Friday - 4/24
8:00		Vascular Syndromes I Dr. Penney	Motor System Dr. McWhorter	Neurologic Exam Dr. Penney	Autonomic, Neuroendocrine and Regulatory Function Dr. Aduonum
9:00	PCS Midterm Exam Written	Vascular Syndromes II Dr. Penney			
10:00		Vascular Syndromes III Dr. Penney	Excitation - Contraction Coupling Dr. Aduonum	Clinical Correlate Dr. Berkowitz	Epilepsy and Neurophysiology Dr. Komiskey
11:00		Answer Student Questions Dr. Penney	Muscle Length - Tension Relationships Dr. Aduonum		Sleep and Neurophysiology Dr. Komiskey
12:00	Lunch	Lunch	Lunch	Lunch	Lunch
1:00	Introduction to Muscle Function Dr. Aduonum	OMM Lecture: Spondylolisthesis - Part I	Medicine & Society: Psychosocial and Public Health Aspects Dr. Berkowitz	Autonomic Nervous System Dr. Komiskey	Neuroimaging 5&6 Dr. Katz
2:00	Physiology of the Neuromuscular Junction Dr. Aduonum	OMM Lab: Muscle Energy Technique Innominate Shears & Flares			
3:00	Neuromuscular Junction of Neuropharmacology Dr. Komiskey			Dean's Hour	
4:00					

**March 1-7:** Nat'l OM Week **March 1-5:** DO Day on Hill **April 8-10 and 14-16:** Passover Celebrations

**May 17, 2009:** Graduation

# M1T3: Week 8

## Clinical & Basic Neuroscience

Time	Monday - 4/27	Tuesday - 4/28	Wednesday - 4/29	Thursday - 4/30	Friday - 5/1
8:00		Case Studies Dr. Penney	Coma and Metabolic Abnormalities Dr. Wannamaker	Neuro-Oncology Brain Tumors Dr. Penney	Neuroimaging 7, 8, & 9 Dr. Katz
9:00			Posterior Cranial Fossa Syndromes Dr. Wannamaker		
10:00			Microbial Causes of Nervous System Disease - 1 Dr. Buxton		
10:30	Overview of CNS Drugs Dr. Komiskey	Neurological Evaluation of Higher Cortical Function - 1 Dr. Wannamaker			
11:00	Sleep Disorders and Pharmacology Dr. Komiskey	Neurological Evaluation of Higher Cortical Function - 2 Dr. Wannamaker	Microbial Causes of Nervous System Disease - 2 Dr. Buxton	Microbial Causes of Nervous System Disease Dr. Buxton	Neuroanatomy Lab: Cerebellum Dr. McWhorter Lead Instructor
12:00	Lunch	Lunch	Lunch	Lunch	Lunch
1:00		OMM Lecture: Spondylolisthesis - Part II	Medicine & Society: Basic Disaster Life Support Certification Exam Dr. Berkowitz	PCS Lecture	
2:00		OMM Lab: Muscle Energy Technique Pubic Symphysis Dysfunction		PCS Lab Group B	
3:00			Clinical Correlates Dr. Berkowitz	PCS Lab Group A	
4:00					

March 1-7: Nat'l OM Week March 1-5: DO Day on Hill April 8-10 and 14-16: Passover Celebrations

May 17, 2009: Graduation



# M1T3: Week 9

## Clinical & Basic Neuroscience

Time	Monday - 5/4	Tuesday - 5/5	Wednesday - 5/6	Thursday - 5/7	Friday - 5/8
8:00		Craniocerebral Trauma I Dr. Penney	Delirium, Dementia, and Amnestic Disorders Dr. Figiel	Independent Study	
9:00		Craniocerebral Trauma II Dr. Penney			
10:00	Anticonvulsant Drugs Dr. Komiskey	Anti-Parkinson's Drugs Dr. Komiskey			<b>Neuroscience Written Exam #3</b>
11:00	Drugs for Alzheimer's Disease and other Dementias Dr. Komiskey				
12:00	Lunch	Lunch	Lunch		Lunch
1:00	Chief Complaint Conference Dr. Stewart	OMM Lecture: Sacral Mechanics and Dysfunction (Pre-Lab)	<b>Medicine and Society Final Exam</b>		
2:00		OMM Lab: Muscle Energy Technique Sacral Torsions			
3:00					
4:00					

# M1T3: Week 10

## Clinical & Basic Neuroscience

Time	Monday - 5/11	Tuesday - 5/12	Wednesday - 5/13	Thursday - 5/14	Friday - 5/15
8:00	Cervical Spine Injuries Dr. Penney		Multiple Sclerosis (MS) Dr. Thrower		Neuroimaging 10&11 Dr. Katz
9:00					
10:00		Movement Disorder Drugs Dr. Komiskey	Immunology of MS Dr. Buxton		Neurological Evaluation of the Spinal Cord Dr. Wannamaker
10:30					
11:00		Drugs for MS Dr. Komiskey			
12:00	Lunch	Lunch	Lunch	Lunch	Lunch
1:00	Movement Disorders Dr. Scott	OMM Lecture: Spinal Osteoarthritis - Part I	Clinical Correlates Dr. Berkowitz	PCS Lecture	
2:00		OMM Lab: Muscle Energy Technique - Flexed & Extended Sacra		PCS Lab Group B	
3:00	Osteopathic Approach to the Patient with Neurologic Disease Dr. Berkowitz		PCS Lab Group A		
4:00					


# M1T3: Week 11

## Clinical & Basic Neuroscience

Time	Monday - 5/18	Tuesday - 5/19	Wednesday - 5/20	Thursday - 5/21	Friday - 5/22
8:00	Rehabilitation Medicine Dr. Mark Feeman		Neuroimaging 12 & 13 Dr. Katz	Brain Death Dr. Penney's Associate	
9:00					
10:00	Centrally-Active Muscle Relaxants Dr. Komiskey				Indogenous Opiates and Pain Management Dr. Komiskey
11:00	Neuro-muscular Blockers Dr. Komiskey				Narcotic Analgesic Dr. Komiskey
12:00	Lunch	Lunch	Lunch	Lunch	Lunch
1:00	Chief Complaint Conference Dr. Stewart	OMM Lecture: Spinal Osteoarthritis-Part II			
2:00		OMM Lab: HVLA - Cervical Region			
3:00					
4:00					

# M1T3: Week 12

## Clinical & Basic Neuroscience

Time	Monday - 5/25	Tuesday - 5/26	Wednesday - 5/27	Thursday - 5/28	Friday - 5/29
8:00	 Memorial Day	Common Pain Syndromes Dr. Penney	General Anesthetics Dr. Komiskey	Epilepsy Dr. Penney	CNS Tumors II Dr. Zaman
9:00					Peripheral Neuropathy and Skeletal Muscle Diseases Dr. Zaman
10:00			General Anesthetic and Clinical Medicine Dr. Stewart	Leukodystrophy, Genetic Metabolic Disorders, and Nutritional-related Disorders Dr. Zaman	Anti-emetics Dr. Komiskey
11:00		Dean's Hour		CNS Tumors I Dr. Zaman	Neurotoxic Drugs Dr. Komiskey
12:00		Lunch	Lunch	Lunch	Lunch
1:00		OMM Lecture: Visceral Referred Pain and Dysfunction	Nervous System Injury Patterns, Malformations & Congenital Disorders, Trauma & Herniations Dr. Zaman		
2:00		OMM Lab: Putting It All Together	Vascular Diseases and Infectious Diseases Dr. Zaman		
3:00			Diseases of Myelin, Degeneration and Dementia Diseases Dr. Zaman		
4:00					

# M1T3: Week 13

## Clinical & Basic Neuroscience

Time	Monday - 6/1	Tuesday - 6/2	Wednesday - 6/3	Thursday - 6/4	Friday - 6/5
8:00		Physical Therapy Van Sant	OMM Written Exam #6	PCS Final Exam SP PACS Group B	
9:00	PCS Final Exam Written				
10:00		Occupational Therpy Michelli Cary	Medical Speech Methodology M.A. Sandoval		Neuroscience Written Exam #4
11:00					
12:00	Lunch	Lunch	Lunch	Lunch	Lunch
12:30					
1:00	PCS Final Exam SP PACS Group A 12:30 - 6:00 pm	OMM Practical Exam #6 Section A	OMM Practical Exam #6 Section B		
2:00					
3:00					
4:00					