

PT 224 - Neurological Evaluation & Treatment I  
Course Schedule  
Spring 2009

Wk	Day/ Date	Lecture (8:00-8:50 SLN 3018)	Reading/ Assignment	Lab (9:00-11:30 SLN 3018)
1	W Jan 28	Course Introduction and Overview Overview of Stroke and Brain Injury	Stroke vs TBI <i>Stroke: Epidemiology &amp; Recovery, Lecture Slides</i>	Patient panel presentation (10:00-11:30)
	F Jan 30	Stroke: Epidemiology & Recovery Cerebrovascular System	Assign. 1: Cerebral arteries <i>Stroke: Epidemiology &amp; Recovery: Lecture Slides</i> <i>Cerebrovascular System: Lecture Slides</i> O&S: Ch 18 pp 705-716 L-E: Ch 18 pp 370-378, Ch 17 pp343-356	Stroke, Cerebral circulation continued <a href="#">Cerebral Circulation Lab</a>
2	W Feb 4	Somatic Motor (Review) Somatic Sensory System	Assign. 2: Somatic Sensory System <i>Motor System: Lecture Slides</i> <i>Sensory System: Lecture Slides</i> O&S: Ch 5 L-E: Ch 6, Skim Ch 7 Suggested reading: Learning Modules; DCML, STT, Motor System (Home Page/Stroke/Sensory System/Study Aids)	<a href="#">Screening Tests Lab</a> <a href="#">Sensory Testing Lab</a>
	F Feb 6	Cranial Nerves  Stroke: Pathophysiology & Acute care	<i>Cranial Nerves: Lecture Slides</i> O&S: Ch 8 Table 8.6 L-E Ch 13 Table 13-4 S-C&W: 436-444 <i>Stroke: Pathophysiology: Lecture slides</i> <i>Stroke: Acute care Lecture Slides</i> O&S Ch 18	Cranial Nerve Testing <a href="#">Bed mobility &amp; acute care lab</a>
3	W Feb 11	<b>NO CLASS – CSM MEETING</b>		
	F Feb 13	Stroke: Medical Management and Patient Care: Mock Clinic & Documentation Enablement Model: PT Goal Setting(Gordon) Standardized Measures	<b>Callahan et al, Perspective: Impact of III Step, JNPT, 30-3, pp 157-166</b>  Neurotherapeutics Tool Box	Administration of Standardized Measures ( <a href="#">Pairs present tests</a> )

This schedule is subject to change as needed at the discretion of the Instructor.

Wk	Day/ Date	Lecture (8:00-8:50 SLN 3018)	Reading/ Assignment	Lab (9:00-11:30 SLN 3018)
4	W Feb 18	Balance Examination and Intervention	<i>Balance: Lecture Slides</i> O&S: pp 498-502 S-C&W: 279-304	Balance Examination and Intervention Lab
	F Feb 20	Stroke: Gait Examination and Intervention	<i>Lecture slides</i> O&S: pp756-758 S-C&W: Ch 15	Gait Lab
5	W Feb 25	Test 1 (8:00-10:00) Pusher Syndrome (10:00)	<i>Unilateral neglect &amp; Pusher syndrome: Lecture Slides</i>	Intervention for Pusher Syndrome Gait & Balance Intervention Stroke Outcomes Lab Q/A√
	F Feb 27	Prep for pt care		Patient Care 1
6	W Mar 4	Stroke: UE Examination and Intervention	<i>Upper Extremity post Stroke: Lecture Slides</i> O&S: pp751-754	UE Intervention
	F Mar 6	Neuro Rehab Equipment	<i>Neuro Rehab Equipment: Lecture Slides</i>	Patient Care 2
7	W Mar 11	Pain	<i>Pain: Lecture Slides</i>	Pain: clinical tests Presentation: Lit Review Group 1
	F Mar 13	Broken Rhymes	O&S: Ch 22	Patient Care 3 Home Eval
8	W Mar 18	Brain Injury Introduction	<i>BI e-Facts: Lecture Slides</i> <i>BI ICU: Lecture Slides</i>	ICU Treatment Presentation: Lit Review Group 2
	F Mar 20	Evaluation and Treatment in ICU BI: Impairments and Outcomes	Assign. 3: Augmented Feedback <i>BI: Impairments and Outcomes: Lecture Slides</i>	Patient Care 4
9	W Mar 25	Presentation: Lit Review Group 3 8:30-9:15	O&S: pp 906-914	Elizabeth Crosta home 10:00-11:00
	F Mar 27	Cognitive Function	<i>BI LOCF Lecture Slides</i>	Patient Care 5
10	W Apr 1	Spring Break		
	F Apr 3			
11	W Apr 8	Cognitive Rehab	O&S: pp 914-918 <i>BI Cog Rehab Lecture Slides</i>	Treatment of Rancho levels I-III, IV Presentation: Lit Review Group 4
	F Apr 10	Cognitive Rehab (cont)		Patient Care 6
12	W Apr 15	Test 2 (8:00-10:00) Motor Rehab (10:00)	Treatment of Rancho levels VII-VIII O&S: pp 918-922	Treatment of Rancho levels V-VI Presentation: Lit Review Group 5
	F Apr 17	Review		Patient Care 7/ Practical Exam

This schedule is subject to change as needed at the discretion of the Instructor.

Wk	Day/ Date	Lecture (8:00-8:50 SLN 3018)	Reading/ Assignment	Lab (9:00-11:30 SLN 3018)
13	W Apr 22	Presentation of Patient Care: Cases 1-3		Presentation of Patient Care: Cases 4-9 Presentation: Lit Review Group 6
	F Apr 24	Presentation of Patient Care: Cases 10-12		Patient Care 8/ Practical Exam
14	W Apr 29	Presentation of Patient Care: Cases 13-15		Summarize patients in Mock Clinic Presentation: Lit Review Group 7
	F May 1	Degenerative Neurologic Conditions: Dementia	Lecture Slides O&S: Fig 20-11 p 831	Dementia Lab Presentation: Lit Review Group 8
15	W May 6	Parkinson's Disease Wilson's Disease, Tardive Dyskinesia	Lecture Slides : Bryan O&S: Ch 21	Lab practice Presentation: Lit Review Group 9
	F May 8	ALS Guillain Barre Syndrome	Lecture Slides O&S: Ch 20	Lab practice Presentation: Lit Review Group 10
16	W May 13	Polio and Post-Polio Syndrome	Lecture Slides	Lab practice Presentation: Lit Review Group 11 Gloria Moraga
	F May 15	Review		
	Finals week	Final exam		

This schedule is subject to change as needed at the discretion of the Instructor.

Legend: O&S, O'Sullivan & Schmitz, Physical Rehabilitation, 5<sup>th</sup> Edition, FA Davis, 2007  
L-E, Lundy-Ekman, Neuroscience Fundamentals for Rehabilitation, 3<sup>rd</sup> Edition, Saunders, 2007  
S-C&W, Shumway-Cook & Woollacott, Motor Control, Second Edition,