

Tentative Topic/Assignment Outline (Subject to change at Dr. Gutierrez's discretion- see Blackboard):

<u>Week</u>		<u>Topic</u>	<u>Reading Assignment</u> (Readings may be added/or changed at the discretion of the instructor- see blackboard)
<u>1</u>	May 26 (T) Lecture (10:00 – 12:00)	<ul style="list-style-type: none"> • Intro to Neuro Series and PT 6314; • Quiz over stroke lesions • Overview of Disablement applied to Neurological Rehabilitation 	Req: OSF -- Chpt 1,3, 5, 15 & 19 for the semester; Req: Schenkman (2006); Refer to Stroke Lesions from Neuroscience and pathophys
	May 26/27 Lab	<ul style="list-style-type: none"> • Movement Analysis--general principles & "normal Function (Sit to Stand) Movement Analysis of "normal" functional Activities (Transfers, Gait & Supine to Sit) • Cranial Nerves 	SC&W Chpt. 12; Fisher & Yakura www.neuroexam.com
<u>2</u>	Jun 2 (T) Lecture (10:00-12:00)	TBI/ Rancho Los Amigos Scale of level of consciousness	SC&W -- pp 137-138 OSF -- Chpt 19
	Jun 2/3 Lab	Review of neuro exam/Motor Control <ul style="list-style-type: none"> • MMT • Sensation testing (light touch & superficial pain) • Proprioception • Cranial Nerves • "Impairment" Lab 	Hislop OSF -- Chpt 3 & 5; www.neuroexam.com
<u>3</u>	June 8 (M) Lecture (9:00 – 11:00)	Movement Analysis of patients <ul style="list-style-type: none"> • Abnormal Tone • Selectivity • Upright Motor control 	Req: OSF -- Chpt 8 & pp 670-676;
	June 8 (M) Lab	Movement Analysis of patients <ul style="list-style-type: none"> • Fugl-Meyer • Abnormal Tone • Selectivity • Upright Motor control • Summary of Impairment Level Testing 	OSF -- pp 677-678
	June 9 (T) Lecture (10:00 – 12:00)	Cognition (GCS, MMSE, Alertness, Orientation, documentation of cognition eval/rx, etc.); (guest lecture) Cognitive/Perceptual	OSF -- pp 164-167; 657-660 SC&W -- pp 134-138 OSF – Ch 27 (specific content)
	June 9/10 Lab	Patient Lab (to review assessment) Case study facilitated by "If you have 30 minutes what 3 tests would you do?"	
<u>4</u>	June 15 (M) Lecture (9:00 – 11:00)	Spasticity/Contracture Management Prognosticating Sullivan red flags article including = Subjective eval, red flags, medical & neuro screen;	Spasticity article will be posted on BBL OSF -- Chpt 5; Sullivan, Hershberg, et al.

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	June 15 Lab	SKILLS CHECK	
	June 16 (T) Lecture (10:00 – 12:30)	WRITTEN MIDTERM EXAM	
	June 16/17 Lab	Handling Skills Introduction	
<u>5</u>	June 23 (T) Lecture (10:00 – 12:00)	Functional Testing [FIM] review Principles of Neuro Treatment Approaches	OS -- Chpt 3
	June 23/24 Lab	General Handling Principles Lab	
<u>6</u>	June 29 (M) Lecture 9:00 – 11:00)	Treatment related to postural alignment, reaching in sitting Treatment related to Sit to supine	SC& W -- Chpt 12 OSF -- Chpt 3 Chpt 10; Fell
	June 29 (M) Lab	Treatment related to postural alignment, reaching in sitting	SC&W -- Chpt 14-15; OS Chpt 4, 5
	June 30 (T) Lecture (10:00 – 12:00)	Treatment related to transfers	
	June 30/ July 1 Lab	Treatment related to bed mobility, sit to stand; Treatment related to transfers, standing balance	OS -- Chpt 3, 6 OS -- Chpt 6, 7
	July 3 (F)	Holiday	
<u>7</u>	July 6 (M) Lecture (9:00 – 11:00)	Pathological Gait (Dr. Diaz)	You should be conversant in normal gait Review Rancho Normal Gait aterials. Rancho Gait App--either Apple or Android version (recommended) OSF -- Ch. 7 (required) ; SC&W -- Ch. 12 (recommended)
	July 6 (M) Lab Everyone will attend (12:00 – 5:00)	Pathological Gait (Dr. Diaz)	Duncan PW, Sullivan KJ, Behrman AL, et al. Body- weight-supported treadmill rehabilitation after stroke. N Engl J Med2011;364:2026-36.

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	July 7 (T) Lecture (10:00 – 12:00)	Pathological Gait & Lower Extremity Orthotics (Dr. Diaz)	Rancho Los Amigos- R.O.A.D.Map-Lower Extremity Orthoses: overview; OSF -- Ch 30 (recommended)
	July 7 Everyone will attend (1:00 – 4:00)	LE Orthotics (Dr. Diaz)	Beekman, C., The Effects of a Dorsiflexion- Stopped Ankle-Foot Orthosis on Walking in Individuals with Incomplete Spinal Cord Injury, Top. in Spin. Cord Inj. Rehab. 2000; 54-62.
	July 8 Everyone will attend (9:00 – 12:00)	Treatment related to gait/Handling for Gait PTMap (Dr. Diaz)	Article Discussion: Locomotor Training: Sullivan et al.; Tilson et al.; States et al.; Field-Fote; Lewek.
	July 13 8:30 – 4	HOSPITAL DAY assignment due within 24 hours of completing the evaluation in BBL	
	July 14 8:30 - 12	HOSPITAL DAY assignment due within 24 hours of completing the evaluation in BBL	
8	July 14 (T) Lecture (1:00 –2:00)	Putting it all together? Patient cases Stroke Progression Stroke Prognosis	
	July 14 LabB 2:30 – 5:00 July 15 LabA 9:30-12:00	Patient cases	
9	July 20 (M) Lecture (9:00 – 11:00)	Patients Laboratory Experience Treatment Strengthening for Neuro (<i>guest lecture?</i>)	
	July 20 (M) Lab	TBD	
	July 21 (T) (12:30 – 5:00) Everyone will attend	STUDENT PRESENTATIONS	
	July 22 (W) 9-12 Optional	REVIEW/PRACTICE FOR PRACTICAL	
10	July 28 (T) (1-7)	FINAL PRACTICAL EXAM (COMPREHENSIVE)	
	July 29 (W) 9-12	FINAL WRITTEN EXAM (COMPREHENSIVE)	