

**The University of Texas at El Paso
College of Health Sciences
Doctor of Physical Therapy Program**

PT 6206

Tests and Measures

Fall 2023

COURSE SYLLABUS

Credit Hours: 2

Contact Hours: 90 hours – Lecture: 0 hours; Lab: 90 hours; Clinic: 0 hours

Schedule:
Mondays: 1:00-4:00 pm
Wednesdays: 1:00-4:00 pm
Room Monday 120/126

Coordinator/Instructors:

Faculty: Kathy Reyes-Brooks, PT, DPT

Office location: Rehabilitation Science Complex Rm 115

Phone #: 915-491-2033

E-mail: kmreyes6@miners.utep.edu

Office hours: By appointment only

Faculty: Levi Johnson, PT, DPT, OCS

Office location: Rehabilitation Science Complex Rm 115

Phone #: 915-345-9354

E-mail: lajohnson4@utep.edu

Office hours: By appointment only

Faculty: Kosaku Aoyagi, PT, PhD

Office location: Rehabilitation Science Complex Rm 115

Phone #: (915) 747-8215

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Office hours: By appointment only

Course Description: This laboratory course is an introduction to the physical therapy examination and clinical reasoning process. Focus is on developing knowledge and skills to select and administer evidence-based tests and measures commonly used in physical therapy practice.

Course Prerequisites for DPT Students: The UTEP DPT Program curriculum is a lock-step curriculum. Therefore, students must pass all courses in the prior semester of the DPT Program in order to enroll in courses in the subsequent semester. Faculty may consider exceptions for PT 6116 PT Capstone Project I and PT 6117 PT Capstone Project II.

Course Objectives:

1. Define the components of the Patient/Client Management Model, ICF Model, and UTEP's Clinical Reasoning Model. (7D21) [Knowledge]
2. Use the Guide to PT Practice vocabulary with respect to the Patient/Client Management Model and ICF Model. (7D21) [Application]
3. Obtain a thorough history from a simulated patient. (7D17) [Application]
4. Perform a complete systems review with a simulated patient. (7D18) [Application]
5. Demonstrate the ability to accurately assess (7D19...) [Application]
 - a) anthropometric characteristics (7D19 b)
 - b) balance (fall risk only) (7D19 d)
 - c) circulation (7D19 e)
 - d) self-care (7D19 f)
 - e) peripheral nerve integrity (7D19 g)
 - f) mental functions (7D19 l)
 - g) mobility (7D19 m)
 - h) muscle performance including strength, power, endurance and length (7D19 o)
 - i) pain (7D19 q)
 - j) posture (7D19 r)
 - k) range of motion (7D19 s)
 - l) reflex integrity (7D19 t)
 - m) sensory integrity (7D 19 u)
6. Select appropriate tests and outcome measurement tools based on best published evidence and simulated patient presentation. (7D11, 7D19: b, d, e, f, g, l, m, o, q, r, s, t, u, 7D31) [Evaluation]
7. Recall reliability and validity of various tests and outcome measurement tools presented. (7D19: b, d, e, f, g, l, m, o, q, r, s, t, u, 7D31) [Knowledge]
8. Interpret the results of the tests and outcome measures from the examination of paper patients to make clinical judgments. (7D20) [Evaluation]
9. Conduct a thorough patient history and systems review on a simulated patient during the SON Hospital Day interprofessional learning activity. (7D17, 7D18, 7D39) [Application]

Methods of Instruction: Online preparatory lectures, Laboratory active and psychomotor learning, IPE, patient cases, team-based learning for each module

Methods of Evaluation: Student competence and attainment of course objectives are assessed using a variety of methods. These methods and their contribution to the final grade are listed in the table below.

<u>Item</u>	<u>Grade Composition</u>
Quizzes (written and videos)	10%
Lab Assignments (written, psychomotor)	5%
Skills Check (psychomotor) (10% each)	20%
Exam 1 (written)	15%
Exam 2 (written)	20%
Final Exam (written)	30%
Total	100%

A short pre-test (hardcopy) will be given on the first day of class. The content learned in semester 1 that is relevant to this course will be covered. The pre-test is not part of the overall course evaluation and therefore the grade earned is not calculated in the above table. However, students who earn 85% or above on the pre-test will have 1% added to the final course average. For example, if a student earns 89% for the course average (Grade of B) and a 90% on the pre-test, then the overall course average is now 90% giving the student an A for the course. The pre-test will cover medical terminology, Research Methods reliability and validity, and Patient Care vital signs and infection control.

Grading Scale: The following letter grade scale is used for the UTEP Doctor of Physical Therapy Program:

<u>Letter Grade Scale</u>	<u>Numerical Grade Scale</u>
A	90-100
B	80-89
C	75-79
F	Below 75

Required Textbooks and Other Learning Resources:

- 1) Avers D, Brown M. *Daniels and Worthingham's Muscle Testing Techniques of Manual Examination and Performance Testing*. 10th ed. St. Louis, MO: Elsevier Saunders; 2019
- 2) Norkin C, White D. *Measurement of Joint Motion A Guide to Goniometry*. 5th ed. Philadelphia, PA: F.A. Davis Company; 2016. ISBN-10: 080364566X
AVAILABLE FREE AT: Access Physiotherapy at UTEP library
- 3) O'Sullivan SB, Schmitz TJ. *Physical Rehabilitation: Assessment and Treatment*. 7th ed. Philadelphia, Pa: FA Davis Co; 2019
AVAILABLE FREE AT: Access Physiotherapy at UTEP library
- 4) Heick J, Lazaro RT. *Differential Diagnosis for Physical Therapists*. 7th ed. St. Louis, MO: Elsevier Saunders: 2023. ISBN-978-0323722049
- 5) APTA Membership: to access online materials available to members only, including PTNow, and *Guide to PT Practice*

Recommended Textbooks and Other Learning Resources:

Concurrent Anatomy and Exercise Physiology textbooks

Technology Requirements

1. *A computing device with a video camera is required. The computer device must be able to support Respondus Lock Down Browser with Webcam used to enhance the integrity of quizzes and exams completed online. Note: Tablets and cell phones are poorly suited to accomplish the majority of doctoral-level readings, assignments, activities, and research requirements of the program.*
2. *Reliable internet connection and data access are also required.*

Resources Available for Student Success:**Confidential Resources:**

- **Center for Accommodations and Support Services (CASS):** If you have or suspect a disability and need accommodations, you should contact the Center for Accommodations and Support Services (CASS) at 747-5148. You can also email the office at cass@utep.edu or go by their office in Union Building East, room 106 (next to the UTEP post-office). For additional information, visit the CASS website at <http://sa.utep.edu/cass>.
- **The UTEP Student Health Center:** Union East Suite 100; 915.747.5624; www.utep.edu/chs/shc
- **The UTEP Counseling and Psychological Services:** 202 Union West, 915.747.5302; www.utep.edu/student-affairs/counsel
 - **Togetherall:** Free online 24/7 mental health support <https://www.utep.edu/student-affairs/counsel/services/togetherall.html>

Additional Resources:

- **Tutoring & Peer Mentorship:** Maryam Buazza (mbuazza@miners.utep.edu) and Kelli Kirkpatrick (kkirkpatric@miners.utep.edu) (Class of 2024 students) are available for tutoring and peer mentorship. Watch for emails from them regarding scheduled weekly tutoring hours and peer mentorship activities, or contact them directly if you need tutoring or guidance from successful DPT students who are motivated to help you succeed. Division of Student Affairs. 915.747.5076, www.utep.edu/student-affairs
- DPT Library Research Guide: <http://libguides.utep.edu/pt>
- Writing Center: 915.747.5112. <https://uwc.utep.edu>
- Computer Labs: Independent Learning Center (ILC), 1st floor Campbell Building
- Military Student Success Center: 915.747.5342, www.utep.edu/studentaffairs/mssc
- Student Wellness Program. 915.747.6738, www.utep.edu/chs/wellness

University Policies: All students are responsible for following UTEP policies and procedures found in the Handbook of Operating Procedures at www.utep.edu/vpba/hoop

Program Policies: All DPT students are responsible for following all policies and procedures documented in the current DPT Student Handbook. Course policies found in the DPT Student Handbook apply to all courses in the DPT curriculum. The current DPT Student Handbook may be found on the DPT Student Resources site on Blackboard.

Academic Integrity: The UTEP DPT Program has a “zero tolerance policy” for scholastic dishonesty. DPT students must demonstrate academic integrity at all times. The current DPT Student Handbook outlines specific definitions, expectations, details, and consequences related to academic integrity and scholastic dishonesty. Additional information related to academic integrity is available through the UTEP Division of Student Affairs at www.utep.edu/student-affairs/osccr/student-conduct/academicintegrity.html

Course-Specific Policies:

1. **Attendance Policy - Absences:** Refer to current DPT Student Handbook “Attendance and Classroom Behavior” for the DPT Program policy. **All faculty have different policies.** Additional course-specific policy are as follows:

- Attendance is expected to each class. Therefore, **no absences are allowed.** HOWEVER, with very rare exception (e.g., documented serious illness or emergency), the absence will be considered on a case-by-case basis. There will be NO accommodations offered for missed class time. Specifically, there is NO opportunity to make up exams, either in advance of or after the scheduled class, or provide individual tutoring for missed content. Additionally, late work caused by your absence will not be accepted and this could affect your team performance. Treat this class as you would a job. If you plan to miss a class, you should notify the instructor in writing by e-mail at a minimum of 24 hours in advance.
- If you miss a class for any reason, it will be considered unexcused unless it is due to documented illness or emergency.
- If an emergency or illness prevents a student from attending a class (e.g., documented serious illness or emergency), communication directly with the instructor is expected 2 hours prior to the beginning of class in writing by e-mail. A verbal message through another student will not suffice. For any missed class, it is the responsibility of the student to obtain any materials presented in class and to ensure assignments are turned in on time. HOWEVER, (with very rare exception, which will be considered on a case-by-case basis) there will be NO accommodations offered for missed class time. Specifically, there is NO opportunity to make up in-class quizzes or exams, either in advance of or after the scheduled class, or provide individual tutoring for missed content. Additionally, late work caused by your absence will not be accepted. You should make prior arrangements with a classmate to find out what you missed, turn in any work, and/or pick up any hand-outs.

- Missing 50% or more of a class will be considered an absence – during any part of the class/lab.
 - For each incident of an unexcused absence, 2% will be deducted from your final semester grade
2. **Attendance Policy - Tardiness & Early Departures:** Refer to current DPT Student Handbook “Attendance and Classroom Behavior” for DPT Program policy.
- In this class, students are expected to be on time and prepared to begin the course; therefore, tardy students will be penalized. We use the clock on the computer to determine when the class should start. If you expect to arrive late (e.g., doctor’s appointment), you should notify your faculty in writing by e-mail at a minimum of 24 hours in advance.
 - Please do not get up and leave during lectures without permission. This is considered disruptive behavior.
 - Similarly, if you need to leave class or lab early, the faculty should be notified in writing at least 2 hours prior to the start of class.
 - Each incidence of tardiness may result in a 1% deduction from your final semester grade.
 - Missing 30 minutes or more of a class or lab will be considered an absence.
 - Each unexcused absence will result in a 2% deduction from your final course grade.
3. **Electronic Devices:** Refer to current DPT Student Handbook “Electronic Devices” for DPT Program policy.
- Laptops are allowed for taking notes, accessing lecture/ lab material, or books. E-mail and social media should be turned off during all class time.
 - Cell phones and telecommunication devices should be in silent mode, turned off, or left outside of the classroom during lectures or presentations and labs. If any circumstance necessitates the student to have his/her cell phone turned on in the classroom, it MUST be discussed with the instructor PRIOR to class. If during the class time, students are found not to be engaged in the class assignment (e.g., on Facebook, studying for another course, etc.) the student will be told to leave the class. This will result in an unexcused absence which will result in a 5% decrease in the final grade for the course.
 - Each subsequent incidence of using electronic devices may result in 1% deduction from the final semester grade.
 - The taking of pictures or videos during classes or labs must be approved.
4. **Professional Behavior Policy:** See DPT Student Handbook “Attendance and Classroom Behavior”, “Professional Behaviors” and “Unprofessional Behavior:” for general program policy.
- Professional behavior will be expected in ALL class sessions and inside and outside of the classroom.
 - I expect each student to arrive at classes and labs prepared and to actively participate while not being disruptive.
 - Students demonstrating unprofessional behavior will be warned one time, and if the behavior continues, the student will be instructed to leave the classroom for the day, and the class session will be considered an unexcused absence.

- If a student is consistently ill-prepared, not actively participating, and/or being disruptive (including leaving class during lectures), the student will be contacted to meet with the instructor to discuss the problem.
- Each subsequent incidence of poor preparation, poor participation, and/or disruption may result in a 1% deduction from the final semester grade.
- Students must come to lab in appropriate lab attire with closed toe shoes and socks. Refer to the “Dress Code” policy in the DPT Student Handbook. Dress code for laboratory will be enforced and students will be dismissed from class if not dressed appropriately for the lab experience. If a student is dismissed, this will count as an unexcused absence with consequences as described above in #1. (JEANS OR OPEN TOED SHOES ARE NOT APPROPRIATE FOR ANY LAB SESSION).

5. **Late or Missed Assignments and Assessments Policy:** See current DPT Student Handbook “Written Examination Policy”.

- Homework assignments are due online BEFORE the due date unless otherwise specified. Students must ensure that their papers have successfully uploaded as an attachment. Students who have difficulty with submitting their work online must contact the instructor or help desk immediately. Only after this process has been completed will an assignment be considered to be accepted via e-mail.
- There will be a 10% reduction per day for all late assignments.
- ASSIGNMENTS ARE NOT ACCEPTED IF MORE THAN 48 HRS LATE.

6. **EXAM Policy:** This includes (written/oral exams, quizzes, skills checks, practical exams)

- Students are not authorized to use any outside help. This includes electronic devices, notes, books.
- No electronics including phones and smart watches should be on or near the student during the examination.
- No hats with brims to be worn during examinations.
- Any suspicious behavior will be reported to the Office of Student Conduct and Conflict Resolution (OSCCR).
- See the current DPT Student Handbook for complete policy.

7. **Skills Check Policy:**

The UTEP Doctor of Physical Therapy (DPT) Program uses skills check-outs as part of the student assessment process in most clinical courses. In this course, each student is required to demonstrate competence by means of skills check-outs. The student will perform specific skills; may or may not be asked to answer questions related to the general clinical application of skills.

- Information will be shared in class and on Blackboard.

8. **Student Course Evaluation:**

- Course evaluations are important to the Department’s DPT curriculum assessment plan. The expectation is that all students will give instructors meaningful feedback professionally and respectfully. Instructors use this feedback to enhance their teaching and to improve students’ learning. Giving

feedback in a course is a professional expectation. For example, when you attend a continuum educational (CE) course as a clinician, you will be asked to give feedback to be eligible for CE units (CEUs). The Department depends on and is grateful for your valuable feedback. Therefore, this course will add an ungraded assignment where you must upload a screenshot of your completed course evaluation, from your 'myutep' course evaluations confirmation page, the week before the final exam. This screenshot will be the proof that you submitted your course evaluation. This proof may be used as evidence of your professionalism and commitment to the success of the DPT curriculum when faculty are making decisions regarding who will be chosen for research grant and/or travel funding.

9. Practical Exam Policy:

- Not Applicable

10. Expectations to promote Success

- Students attaining a grade below 80% on any quiz, exam, or assignment are expected to schedule a meeting with the professor. The goal is to ensure comprehension of the material, identify strategies to improve student performance and determine if alternative teaching methods may enhance learning. Our goal is for your success.
- Students will practice psychomotor skills on a variety of body types for at least 3-4 additional hours weekly outside of dedicated lab times. This is the minimal time required to attain basic competence and ability to perform that will be required during clinical rotations. Practice, practice, practice.
- Additionally, it is essential to practice these skills on multiple body types to refine precision and efficiency. Students will not develop the required competency and efficiency if they only practice these skills in scheduled lab sessions.

11. Academic Integrity (continued): In addition to the information presented above, additional course-specific details follow.

- **Junior Cohorts:** NO COURSE content will be shared with junior cohorts.
- **Testing:** To accurately reflect the individual's knowledge contained within their grey matter and ensure a fair, unbiased, and unassisted testing, we reserve the right to control the test environment. Controls may include (non-exhaustive list) assigned seating, issued a blank paper, randomized questions, use of security software (such as Respondus Lock Down Browser [with a webcam](#)) and ensuring all electronics and other materials that might contain or be able to record information is stowed away from student's access.
- **Recording:** Students are not authorized to record and/or share any testing activities (quizzes, exams, skills checks, practical exams, or other testing scenarios). Further, graded assignments and activities will not be shared unless assignment directions specifically state the activity will be shared. "Recording" includes but not limited to any method used to retain information for future use to include but not limited to audio or video capture, screen shots, pictures, etc. The recording and/or sharing of graded materials is

considered cheating regardless of how obtained, distributed, or used (or not used).

- **Recording:** Student recording of classroom lectures, labs, or other activities is not authorized. If you feel recording of a specific non-graded activity is needed, students must attain instructor approval PRIOR TO recording. Further, authorization by student(s) being recorded must be attained. If approved, recordings are for local, UTEP student educational use only and will not be posted to unsecure, public social media sites. Acceptable site is Microsoft OneDrive (and share the file), e-mail through your UTEP e-mail account.
- **Labs:** Labs are generally divided into two groups to enhance professor to student ratio and student learning. Do not share answers, outcomes, cases, or other materials used during the labs with the other lab group. Actively completing labs assignments (without the answers) from start to finish is essential to the active learning, retention, reflection, and clinical reasoning process.

Course Content and Schedule: Course outline/schedule is below (Note: Students will be notified of changes via Blackboard or e-mail. Additional details may be available in supporting course documents provided by the course instructor).

NOTE: All Quizzes, Tests, and written examinations are F2F in lab using Respondus Lock Down Browser unless otherwise noted. Be sure to bring your computer to lab and are using the most recent version of RLDB. Home based examinations also require RLDB with webcam.

- **BOLD NAME:** Under each topic is the name of the instructors responsible for this content. The bold name is the lead instructor for this content.
- **Red dates or times:** Indicates a change from the schedule.
- **Blue highlight:** Indicates an assignment
- **Yellow highlight:** Indicates examination, quiz or skills checkout.
- **Optional Practice Labs:** 1 hour on every other Friday starting on Sept 9

Wk	Date	Location	Topic	Weekly Reading Assignments
MODULE 1-Intro to the Examination Process- Weeks 1-3				
1	Aug 28	Lecture (1:00-4:00)	Pre-test (semester 1) ICF, Pt Management Model <i>Guide to PT Practice</i> REYES/JOHNSON <i>Sign up for Systems Review Group</i>	<ul style="list-style-type: none"> • APTA Guide to PT Practice Section: Introduction, Principles, Measurements, PT Exam & Eval • Goodman-Ch 1 Intro to Screening • O'Sullivan-Ch 1 Clin Decision Making • Review Ch 7 in Jewel (Research Methods) • BBL materials
	Aug 30	Lecture (1:00-4:00)	Clinical Reasoning, Reliable and Valid T&M REYES	
2	Sep 4	HOLIDAY	Labor Day	

	Sep 6	Lab (1:00-4:00)	History REYES / JOHNSON	<ul style="list-style-type: none"> • APTA Guide to PT Practice Section: PT Exam & Eval • Goodman-Ch 2 • BBL materials
		Assignment	History Assignment due at end of class on BBL	
MODULE 2- Cardiopulmonary System- Week 3				
3	Sep 11	Lecture	Systems Review (Complete prior to lab) REYES	<ul style="list-style-type: none"> • APTA Guide to PT Practice Section: PT Exam & Eval • Goodman-Ch 2 • BBL materials
		Lab (1:00-4:00)	Systems Review REYES / JOHNSON	
	Sep 13	Lecture	Circulation (arterial, venous, lymphatic) and Anthropometric Characteristics (Complete prior to lab) REYES	<ul style="list-style-type: none"> • APTA Guide to PT Practice- Anthropometric Characteristics, Circulation
		Lab (1:00-4:00)	Quiz 1 (over Module 1) Anthropometric Characteristics Lab (girth demonstration) REYES / JOHNSON	
		Assignment	Systems Review Part 1	Due by 10 pm, see instructions
MODULE 3- Neuromuscular System- Weeks 4-5				
4		Asynch Lecture	Sensory Integrity (Complete prior to lab) REYES	<ul style="list-style-type: none"> • O'Sullivan-Ch 3 • APTA Guide to PT Practice- Sensory Integrity • Come prepared to work on Systems Review Video assignment (bring cell phone with memory or alternative recording device)
	Sep 18	Lab (1:00-4:00)	Quiz 2 (over Module 2) Sensory Integrity REYES / JOHNSON 4th hour: Syst Rev Video (dedicated lab to work on this)	
	Sep 20	Lab (1:00-4:00)	Mental Functions Balance (On Quiz 3, Exam 2) REYES / JOHNSON	<ul style="list-style-type: none"> • O'Sullivan-Ch 3, 6, • APTA Guide to PT Practice- Mental Functions, Balance • BBL materials
	Sat Sep 23	Assignment	Systems Review Part 2 Video	
5	Sep 25	Lab (1:00-4:00)	Self-Care and Domestic Life Mobility (Including Locomotion) (On Quiz 3, Exam 2) REYES / JOHNSON	<ul style="list-style-type: none"> • O'Sullivan-Ch 8, 9 • APTA Guide to PT Practice-Self-Care, Mobility • BBL materials

	Sep 27	Lab (1:00-4:00)	Practice for skills check REYES / JOHNSON	• Modules 1-3
	Sat Sep 30	Assignment	Systems Review Video Peer review	Due by 10 pm, see instructions
6	Oct 2	Respondus (1:00-2:00)	Written Exam 1 (60 minutes) Room 113 AOYAGI	• Weeks 1-4 including sensory integrity Not Mental Functions/Balance & Self Care and Domestic Life/Mobility
		Lec (2:00 – 4:00)	Pain AOYAGI	• Goodman-Ch 3 • APTA Guide to PT Practice-Pain
	Oct 4	Lab (1:00-5:00) Actual time TBD	SKILLS CHECK #1 JOHNSON/ AOYAGI / MANNING	• Modules 1-3 Schedule and rubric posted on BB
MODULE 4-Musculoskeletal System Weeks 7-15				
7	Oct 9	Lab (1:00-2:00)	Quiz 3 (over Module 3) Pain Lab AOYAGI/ JOHNSON/ REYES	• Pain: Goodman-Ch 3 • Pain: APTA Guide to PT Practice
		Lec (2:00-4:00)	ROM & Muscle Length Lecture JOHNSON/ REYES	• ROM: Norkin-Ch 1, 2, 3 • ROM: APTA Guide to PT Practice • Muscle length: Norkin sections-Chp 1, 2, 5, 6, 7, 8, 9, 10.
	Oct 11	Asynch Lecture	Muscle Performance (Including Strength, Power, Endurance, and Length) (Complete prior to lab) JOHNSON/ REYES	• Daniels and Worthingham-Ch 1, 2. • D&W: brief review of Chp 8 • APTA Guide to PT Practice-Muscle Performance
		Lab (1:00-4:00)	Spine ROM JOHNSON / REYES	• Norkin-Chp 11, 12, 13 • APTA Guide to PT Practice-Muscle Performance and ROM
8	Oct 16	Lab (2:00-4:00)	Spine MMT JOHNSON / REYES	• Norkin-Chp 11, 12, 13 • APTA Guide to PT Practice-Muscle Performance and ROM
	Oct 18	Lab (1:00-4:00)	Spine ROM & MMT/ + Posture JOHNSON / REYES	• Daniels and Worthingham-Ch 3, 4 • Norkin-Chp 11, 12, 13 • APTA Guide to PT Practice-Muscle Performance and ROM • O'Sullivan-Ch 5

				<ul style="list-style-type: none"> • APTA Guide to PT Practice-Posture
9	Oct 23	In person Respondus (1:00-2:00)	Written Exam 2 (60 minutes) Room 113 REYES	<ul style="list-style-type: none"> • Cumulative including Self-Care & Domestic Life, Mobility, pain, AND LECTURES OVER ROM/muscle length, and muscle performance. •
	Oct 25	Lab (1:00-4:00)	UE ROM + Muscle Length JOHNSON / REYES	<ul style="list-style-type: none"> • Norkin-Ch 4, 5, 6, 7 • APTA Guide to PT Practice-Muscle Performance and ROM
10	Oct 30	Lab (1:00-4:00)	UE MMT JOHNSON / REYES	<ul style="list-style-type: none"> • Daniels and Worthingham-Ch 5 • APTA Guide to PT Practice-Muscle Performance and ROM
	Nov 1	Lab (1:00-4:00)	Quiz 4 (over Module 4 starting with pain and including posture, Spine ROM/MMT (Not UE ROM & MMT/Length)) UE ROM/MMT JOHNSON / REYES	<ul style="list-style-type: none"> • Daniels and Worthingham-Ch 5 • APTA Guide to PT Practice-Muscle Performance and ROM
11	Nov 6	Lab (1:00-4:00)	UE, ROM, Length, MMT wrap-up JOHNSON / REYES	<ul style="list-style-type: none"> • Daniels and Worthingham-Ch 5 • Norkin-Ch 4, 5, 6, 7 • APTA Guide to PT Practice-Muscle Performance and ROM
	Oct 31	Actual Time TBD	Simulated Hospital Days Opposite Gross Anatomy Lab Assignment Due End of lab REYES / JOHNSON / AOYAGI	
	Nov 8	Lab (1:00-4:00)	LE ROM JOHNSON / REYES	<ul style="list-style-type: none"> • Norkin-Ch 8, 9, 10 • APTA Guide to PT Practice-Muscle Performance and ROM
12	Nov 13	Lab (1:00-4:00)	LE ROM and Length JOHNSON / REYES	<ul style="list-style-type: none"> • Norkin-Ch 8, 9, 10 • APTA Guide to PT Practice-Muscle Performance and ROM
	Nov 15	Lab (1:00-4:00)	LE MMT JOHNSON / REYES	<ul style="list-style-type: none"> • Daniels and Worthingham-Ch 6 • APTA Guide to PT Practice-Muscle Performance and ROM •
13	Nov 20	Lab (1:00-4:00)	LE ROM, Length, MMT wrap-up JOHNSON / REYES	<ul style="list-style-type: none"> • Daniels and Worthingham-Ch 6 • Norkin-Ch 8, 9, 10 • APTA Guide to PT Practice-Muscle Performance and ROM

	Nov 22	Lab (1:00-4:00)	Endurance Power JOHNSON / REYES	<ul style="list-style-type: none"> Daniels and Worthingham-Ch 5 (endurance), Ch 8 (power)
14	Nov 27	Lecture	Peripheral nerve integrity Reflex Integrity (<i>Complete prior to lab</i>) REYES	<ul style="list-style-type: none"> O'Sullivan- Ch 5 APTA Guide to PT Practice- Reflex Integrity and Peripheral Nerve Integrity
		Lab (1:00-4:00)	Peripheral nerve integrity Reflex Integrity lab REYES /AOYAGI	
		Assignment	Peripheral Nerve Integrity due BBL by 10 PM	
	Nov 29	Lab (1:00-4:00)	Putting in All Together JOHNSON/REYES	<ul style="list-style-type: none"> Supplied Cases All Module 4 resources
15	Dec 4	Lab (1:00-4:00)	Practice Lab for Skills Check JOHNSON /REYES	<ul style="list-style-type: none"> All Module 4 resources
	Dec 6	Lab (1:00-5:00) Room 120/126	SKILLS CHECK #2 (<i>over Module 4</i>) JOHNSON / AOYAGI / REYES /MANNING	<ul style="list-style-type: none"> All Module 4 resources
16	12/13	Respondus (1:00-3:00) Room 120	WRITTEN FINAL EXAM (110 minutes) JOHNSON	<ul style="list-style-type: none"> Comprehensive All resources