

**Angelo State University  
Archer College of Nursing and Allied Health  
Doctor of Physical Therapy Program**

**PT 7354- Essentials of Rehabilitation Practice**

**Credits 3**

**Fall 2016  
(2-3-0)**

**COURSE DESCRIPTION:** An exploration of the practice of physical therapists in the areas of diabetes; advanced cardiac, pulmonary and neuromuscular diseases, spinal cord injury, orthotics and prosthetics. Students will develop competency in clinical assessment of functional limitations, identification of appropriate treatment options and implementation of interventions. Students will also develop skills in the management of patients with chronic multi-system problems for comprehensive practice settings. This course integrates clinical reasoning for the complex patient through case scenarios, patient observations and laboratory simulations.

**COURSE COORDINATOR:**

Kelly Moore PT, MBA, CWS,  
DPT Assistant Clinical Professor  
325-486-6676  
[Kelly.moore@angelo.edu](mailto:Kelly.moore@angelo.edu)  
Vincent 231  
Office hours: By appointment

**COURSE INSTRUCTORS:**

Heather Braden PT, PhD  
Assistant Professor  
325-942-2581  
[hbraden@angelo.edu](mailto:hbraden@angelo.edu)  
Office: Vincent 236  
Office hours: By appointment

Shelly Weise PT, EdD  
Professor  
325-486-6474  
[Shelly.weise@angelo.edu](mailto:Shelly.weise@angelo.edu)  
Office: Vincent 266  
Office hours: By appointment

Deborah Stafford PT, MPT  
Part-time Lecturer, Adjunct  
Faculty  
Office TBD  
Contact information to be provided

**GUEST LECTURERS:**

Pat Ray, TX DARS  
Larry Evans, DME, Travis  
Medical Eric McLarty, CPO,  
WTRC  
Kim Stevens, JUZO representative  
Others at the discretion of course coordinator

CLASS SCHEDULE:	Monday	1330-1400	Lecture*
	Monday	1400-1530	Lab*
	Tuesday	1330-1400	Lecture*
	Tuesday	1400-1530	Lab*
	Wednesday	1330-1400	Lecture*
	Wednesday	1400-1530	Lab*
	Thursday	1330-1400	Lecture*
	Thursday	1400-1530	Lab*

\*All times subject to change to accommodate faculty and guest speakers.

CLASS LOCATION: Vincent 287

CLOCK HOURS: 32 hours lecture, 48 hours lab

CLASS PREREQUISITES: Successful completion of previous DPT coursework

**COURSE OBJECTIVES WITH CAPTE CRITERIA:** By the end of the course the student physical therapist will be able to:

7A as a general topic related to spinal cord injuries, diabetes and amputations.

- Design an assessment for a spinal cord injured patient. 7D2, 7D6, 7D7, 7D10, 7D12, 7D16, 7D17, 7D18, 7D19 all, 7D20, 7D22
- Develop a plan of care to manage that patient to achieve established goals. 7D23, 7D24, 7D25, 7D26, 7D27 all, 7D28, 7D30, 7D31, 7D32, 7D33
- Develop options for geriatric continuum of care that considers patient variables such as culture, age, gender, socioeconomic effects, etc. and modifies communication strategies with patients based on variables such as culture, age, gender, etc. 7D2, 7D16, 7D17, 7D20, 7D21, 7D28, 7D32, 7D34, 7D37, 7D39
- Apply essentials of rehabilitation practice while conducting a home and/or ergonomic assessment in the community. 7D38
- Self-evaluate professional rehabilitation practices for the purpose of continuous professional improvement. 7D8, 7D9, 7D17, 7D16, 7D17, 7D18, 7D19, 7D20, 7D24, 7D31, 7D32, 7D34, 7D37, 7D39
- Conduct a home and/or ergonomic assessment. 7D19
- Interpret and utilize EKG findings in complex cardiopulmonary patient care. 7D19
- Interpret and utilize ABG findings in complex cardiopulmonary patient care. 7D11, 7D19, 7D20, 7D23
- Describe various types of prosthetics and their indications, contraindications, impact on gait, and common modifications. 7D10, 7D12, 7D17, 7D18, 7D19, 7D20, 7D21, 7D30, 7D31, 7D32, 7D33
- Perform examinations related to prosthetic prescription, prosthetic check-out, and prosthetic adjustment/modification and determine appropriateness of prosthetic devices. 7A, 7C, 7D9, 7D10, 7D16, 7D17, 7D18, 7D19, 7D20, 7D22, 7D27, 7D28, 7D31, 7D33
- Produce scientific rationale for the management of impairments (integumentary integrity, joint restrictions, etc..) experienced by persons with common neurologic and metabolic conditions (specifically diabetes). 7C, 7D10, 7D12, 7D17, 7D18, 7D19, 7D24, 7D30, 7D33
- Develop an intervention plan for persons with diabetes that addresses multi-system issues. 7D10, 7D12, 7D17, 7D18, 7D19, 7D20, 7D21, 7D22, 7D23, 7D24, 7D27, 7D28, 7D31, 7D33
- Provide scientific rationale for various types of upper extremity, lower extremity and trunk splinting, taping, and bracing including appropriate indications and contraindications. 7D10, 7D11, 7D12, 7D16, 7D17, 7D18, 7D19, 7D20, 7D22, 7D23, 7D24, 7D27, 7D28, 7D30, 7D31
- Identify adaptive equipment and assistive technology, their potential uses, and indications for various patient populations. 7D10, 7D12, 7D17, 7D18, 7D19, 7D20, 7D22, 7D23, 7D24, 7D25, 7D27, 7D30
- Prescribe adaptive equipment and assistive technology based on assessment of person and the settings in which the person functions. 7D10, 7D11, 7D12, 7D16, 7D17, 7D18, 7D19, 7D20, 7D24, 7D28, 7D30, 7D31, 7D33, 7D37
- Supply the components of wheelchair assessments. 7D10, 7D11, 7D12, 7D16, 7D17, 7D18, 7D19, 7D20, 7D24, 7D28, 7D30, 7D31, 7D33, 7D37
- Discuss pros and cons of various wheelchair component options. 7D10, 7D11, 7D12, 7D16, 7D17, 7D18, 7D19, 7D20, 7D24, 7D28, 7D30, 7D31, 7D33, 7D37
- Define pain in the post amputation patient and techniques to handle pain. 7D19q

## TEACHING METHODS/LEARNING ACTIVITIES

A variety of teaching methods and learning activities will be utilized in the course including lecture and discussions, laboratory demonstration and practice, videotapes and other A-V material, case studies, problem-solving sessions, small group work, self-instructional and self-assessment activities, peer assessment activities, reading and written assignments, clinical simulations with feedback, tutorials as needed, and written and practical examinations. Learning will be in all three domains- cognitive, psychomotor, and affective.

The student is expected to be focused on the course material during class time. Time will be required outside of scheduled course time to practice the motor skills required for successful implementation of various evaluations and interventions to be learned in the course. Time may be scheduled with the faculty members for clarification and additional feedback on performance of various course activities.

## CONNECT!

This course integrates ASU's quality enhancement plan to *CONNECT! Campus and Community*. The student learning outcome of community engagement is emphasized in the units entitled Senior Living Options, Americans with Disabilities Act (ADA), and Home Assessments. These units demonstrate engagement to connect learning with community action and reflection upon the accomplishments. This course is one means of integrating social responsibility into the curriculum, culture, and identity of ASU.

## REQUIRED TEXTBOOKS:

1. O'Sullivan SB, Schmitz T, ed. *Physical Rehabilitation Assessment and Treatment*, 6<sup>th</sup> edition. Philadelphia, PA: FA Davis; 2013.
2. Lusardi M, Milagros J, Neilsen, C. *Orthotics & Prosthetics in Rehabilitation*, 3<sup>rd</sup> edition. Philadelphia, PA: WB Saunders; 2012.

## PREVIOUSLY PURCHASED TEXTS THAT ARE REQUIRED:

1. American Physical Therapy Association. *Guide to Physical Therapist Practice*. 2<sup>nd</sup> edition. Phys Ther. 2001.
2. Ciccone CD. *Pharmacology in Rehabilitation*. 4<sup>th</sup> edition. Philadelphia, PA: FA Davis; 2007.
3. Hillegass E. *Essentials of Cardiopulmonary Physical Therapy*. 3<sup>rd</sup> edition. Saunders, 2011.

## OPTIONAL TEXT:

Dublin D. *Rapid Interpretation of EKG's*. 6<sup>th</sup> edition. Cover Publishing Co. 2000.

## EXAMINATIONS AND GRADING:

Spinal Cord and wheelchair measurement component		35%
Practical	33%	
Exam	33%	
FOR	33%	
EKG and Pulmonary rehab exam		25%
Diabetes and amputations exam and stump wrapping practical		
Compression and Lymphedema, DARS		20%
Senior living options, ADA, home assessment		20%
Written Exam	80%	
Community Engagement Reflection Paper	20%	
		<b>100%</b>

Exams may be computer based or paper based. **If computer based all work is to be solely individually based, no team work unless otherwise specified by the instructor.** Each course instructor will provide further details about the exams questions and material they will cover. You must meet mastery (>80%) in each section in order to pass that section.

## HONOR CODE STATEMENT:

Our students believe that ASU students should maintain complete honesty and integrity in their academic pursuits. The Honor Code at ASU is located at [www.angelo.edu/forms/pdf/honorcode5.pdf](http://www.angelo.edu/forms/pdf/honorcode5.pdf) and describes expected academic behavior of both faculty and students, and it consists of an agreement between the student and the academic community to foster academic integrity, to value student educational goals, and to maintain the positive academic reputation of ASU. Angelo State University expects all students and faculty to engage in all academic pursuits in a manner that is above reproach and to maintain complete honesty and integrity in the academic experiences both in and out of the classroom

ASU students and faculty will not participate or condone

- Plagiarism
- Cheating
- Fabrication of data
- Misrepresentation of information
- Misuse of library materials
- Misuse of technology
- Conspiring with others to commit these acts

ASU students are responsible for understanding the Honor Code as well as the individual academic requirements and stipulations for each course. This includes carefully reading the Angelo State University Student Handbook and reading the syllabus of each course. Students should ask for clarification of any ambiguous aspect of the syllabus. To facilitate this code of ethical conduct, ASU has an Academic Integrity Committee, a committee composed of both students and faculty, which has the responsibility of reviewing cases of suspected academic dishonesty which may be brought to it. The committee's membership of students and faculty reinforces ASU's commitment to academic integrity in and out of the classroom.

**Doctorate Level of Professionalism-** It is expected that each student will act in accordance to the standards set forth by our profession, including ethical, comprehensive decision making relative to how they wish to be perceived as a Physical Therapist.

Attendance and promptness in all classroom and laboratory sessions is a critical component in the development of professional behaviors. Students are expected to be on time for all course activities. Students with any combination of three [3] unexcused absences or tardy arrivals to class will be penalized 1% on their **final** course grade. Thereafter, 1% will be deducted for each subsequent unexcused absence or tardy arrival.

Continual problems with attendance and tardiness will be directed to the student's academic advisor and, if necessary to the Academic Committee for action.

## STUDENTS WITH DISABILITIES

### University Statement on Disabilities

ASU is committed to the principle that no qualified individual with a disability shall, on the basis of disability, be excluded from participation in or be denied the benefits of the services, programs or activities of the university, or be subjected to discrimination by the university, as provided by the Americans with Disabilities Act of 1990 (ADA), the Americans with Disabilities Act Amendments of 2008 (ADAAA), and subsequent legislation.

Student Affairs is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability, and it is **the student's responsibility** to initiate such a request by emailing [ADA@angelo.edu](mailto:ADA@angelo.edu), or by contacting:

Mrs. Dallas Swafford  
Director of Student Disability Services  
Office of Student Affairs  
University Center, Suite 112  
325-942-2047 Office  
325-942-2211 FAX  
[Dallas.Swafford@angelo.edu](mailto:Dallas.Swafford@angelo.edu)

When a student states he or she could meet the program's technical standards with accommodation(s), the Office of Student Affairs will confirm that the stated condition qualifies as a disability under applicable laws. If the condition qualifies as a disability, the University will determine if it agrees that the student can meet the technical standards with reasonable accommodation. The ruling will include whether or not the accommodation requested is reasonable. Factors to be taken into

account are whether or not the accommodation would jeopardize clinician/patient safety or the educational process of the student or the institution, including all course work, clinical educational experiences and internships deemed essential to graduation. Students are required to read and sign the DPT program's technical standards (DPT Program Student Handbook Appendix I) form and to update their responses on this form if their health status changes.

A student who requires accommodation to meet the technical standards must obtain verification by the Office of Student Affairs that proper reasonable accommodation is available for the student to meet the standard. The program will not provide accommodation without such written verification. Accommodations that affect the student's clinical education are subject to approval by the clinical site.

#### RELIGIOUS HOLY DAYS

Faculty will provide accommodations for student absences for observance of a religious holy day(s) (OP 10.19). Students should make every effort to inform a faculty member at the beginning of the semester regarding these absences.

#### ATTENDANCE/TARDINESS

Attendance and promptness to classes, meetings, and future work obligations are considered professional behaviors. As this department is preparing potential professionals in the area of physical therapy, it is part of our expectation that student presence and timeliness will be held in highest regard. Tardiness is a disruption to the instructor and fellow students. A student is considered tardy if he/she arrives for class after the instructor has begun class activities. Please see the following related to implications from excessive lateness or absences without a reasonable excuse:

First offense- verbal warning

Second offense- second verbal warning, initiation of Disciplinary Tracking Form.

Third offense- 1% off final course grade

1% off final course grade for each additional unexcused tardy or absence

Per the student handbook, **2 or more occurrences combined or mixed will result in the initiation of a Disciplinary Tracking Form.**

If a student has an unexcused absence during integrations it may lead to the removal of that student from that clinical environment. It is the responsibility of the student to contact the clinical site and give notice if they are ill, or have transportation issues.

If the student is unable to attend class, it is the student's responsibility to either call the PT office at 942-2545 or the office of the professor of the class directly. This notification should be made prior to commencement of said class. Continued issues with tardiness/attendance across all courses will result in disciplinary probation and will be referred to the PT faculty for consideration of options, including program dismissal.

The PT faculty is not oblivious to doctor's appointments and other potential hazards and emergencies in daily life. Simply taking responsibility to notify the office or the professor if issues arise is considered professional behavior. Please do not rely on a classmate or other form of notification, as these have proven unreliable in years past.

ATTENDANCE AT ALL SCHEDULED EXAMINATIONS IS MANDATORY. Any unexcused absence from an examination will automatically result in a score of ZERO for that examination. Any student absent from examinations due to illness or injury must have a written justification from their physician. **Absence from an examination for any other reason must be excused before the time of the scheduled examination** or brought about by a very serious circumstance. For excused absences only, make-up examinations must be taken no later than one week after the student returns to class. Extended absences must be approved by the Program Director of Physical Therapy.

August

Monday	Tuesday	Wednesday	Thursday	Friday
1	2	3	4	5
8	9	10	11	12
15	16	17	18	19
22	23	24	25	26
29	30	31		

September

Monday	Tuesday	Wednesday	Thursday	Friday
			1	2
5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
26	27	28	29	30

October

Monday	Tuesday	Wednesday	Thursday	Friday
3	4	5	6	7
10	11	12	13	14
17	18 8:30-5:00 Guest Debbie Stafford PT SCI	19 8:30-5:00 SCI	20 8:30-5:00 SCI	21 8:30-5:00 SCI 22 Guest Larry Evans 12-2 Wheelchairs and accessories
24	25 8:30-5:00 SCI	26 8:30-5:00 SCI	27 8:30-5:00 SCI 6 p.m. wheelchair basketball	28 8:30-5:00 SCI 22
31 2-4:00 SCI exam 2				

November

Monday	Tuesday	Wednesday	Thursday	Friday
	1 12:30-2:30 Dr. Weise-EKG 2	2 2-4:00 Dr. Weise-EKG 2	3 12:30-2:30 Dr. Weise-EKG 2	4 12:30-2:30 Dr. Weise-EKG 2 10
7 2-4 Dr. Weise-EKG 2 Integration	8 12:30-2:30 Dr. Weise-EKG <b>Exam</b> 2 Integration	9 TBD <b>SCI Practical</b> 1 Integration	10 TBD <b>SCI Practical</b> 1 Integration	11 TBD <b>SCI Practical</b> 1 5
14 1:30-3:00 Dr. Braden 1.5 Integration	15 12:30-2 Dr. Braden 1.5 Integration	16 1:30-3:00 Dr. Braden 1.5 Integration	17 12:30-2 Dr. Braden <b>Home assignment due, NO CLASS</b> 1.5 6 Integration	18
21 2-4 Diabetes 2	22 2-4 Compression garments and Lymphedema 2 4	23 T-giving	24 T-giving	25 T-Giving
28 2-4 Guest lecturer Eric McLarty WTRC prosthetics 2 Integration	29 2-4 Guest lecture Amputee volunteers 2 Integration	30 2-4 Amputations Stump wrapping 2 Integration		

December

Monday	Tuesday	Wednesday	Thursday	Friday
			1 2-4 Amputation videos  Integration 2 8	2
5 2-4 <b>Exam</b> Diabetes Compression Amputations 2	6 2-4 Stump wrapping practical 2	7 2-4 DARS 2	8  6	9
12	13	14	15	16
19	20	21	22	23
26	27	28	29	30