PT 7354- Essentials of Rehabilitation Practice

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 Associate Clinical Professor
325-486-6676
Kelly.moore@angelo.edu
AHHS 224B
Office hours: By appointment

COURSE INSTRUCTORS: Heather Braden PT, PhD
Professor
325-942-2581
hbraden@angelo.edu
Office: AHHS 224
Office hours: By appointment

Shelly Weise PT, EdD
Professor
325-486-6474
Shelly.weise@angelo.edu
Office: AHHS 224
Office hours: By appointment

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

GUEST LECTURERS: Dr. Mike Carmichael
Davy Winkler, DME, Travis Medical
Whitney Brandon, CPO/LPO, WTRC
Megan Cordes PT, lymphedema specialist, WTRC
Others at the discretion of course coordinator
CLASS SCHEDULE:

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<tr>
<td>Monday</td>
<td>1330-1400</td>
<td>Lecture*</td>
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<tr>
<td>Thursday</td>
<td>1400-1530</td>
<td>Lab*</td>
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*All times subject to change to accommodate faculty and guest speakers.

CLASS LOCATION: AHHS 216

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:

1. Design an assessment for a spinal cord injured patient. 7D2, 7D6, 7D7, 7D10, 7D12, 7D16, 7D17, 7D18, 7D19 all, 7D20, 7D22
2. Develop a plan of care to manage that patient to achieve established goals. 7D23, 7D24, 7D25, 7D26, 7D27 all, 7D28, 7D30, 7D31, 7D32, 7D33
3. Demonstrate functional training activities to maximize the potential of a patient following spinal cord injury through classroom and volunteer SCI visits to assess activities of daily living, self-care, domestic, community social and civic life, and how activities may be safely accomplished. 7D27d
4. 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
5. Apply essentials of rehabilitation practice while conducting a home and/or ergonomic assessment in the community. 7D38
6. 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
7. Conduct a home and/or ergonomic assessment. 7D19
8. Interpret and utilize EKG findings in complex cardiopulmonary patient care. 7D19
9. Interpret and utilize ABG findings in complex cardiopulmonary patient care. 7D11, 7D19, 7D20, 7D23
10. 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
11. 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
12. 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, 7D20, 7D21, 7D22, 7D23, 7D24, 7D27, 7D28, 7D31, 7D33
13. 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
14. Define limitations of the diabetic patient with regards to activities of daily living and address educational needs with regards to enhancing these activities. 7D27d
15. 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, 7D32, 7D33
16. Identify adaptive equipment and assistive technology, their potential uses, and indications for various patient populations. 7D10, 7D12, 7D17, 7D18, 7D19, 7D20, 7D22, 7D23, 7D24, 7D27, 7D28, 7D30, 7D31
17. 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
18. Supply the components of wheelchair assessments. 7D10, 7D11, 7D12, 7D16, 7D17, 7D18, 7D19, 7D20, 7D24, 7D28, 7D30, 7D31, 7D33, 7D37
19. Discuss pros and cons of various wheelchair component options. 7D10, 7D11, 7D12, 7D16, 7D17, 7D18, 7D19,
20. Define pain in the post amputation patient and techniques to handle pain. 7D19q
21. Define, and determine activities to enhance the amputees ability to perform activities of daily living, self-care, domestic, community, social and civic life. 7D27d
22. Demonstrate understanding through testing of lymphedema, the starling equation, manual lymph drainage, compression and comprehensive exercises that may be effective 7D18, 7D19e, 7D20, 7D22, 7D24

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:

PREVIOUSLY PURCHASED TEXTS THAT ARE REQUIRED:

OPTIONAL TEXT:

EXAMINATIONS AND GRADING:

<table>
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<tr>
<th>Component</th>
<th>Percentage</th>
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<tr>
<td>Spinal Cord and wheelchair measurement component</td>
<td>35%</td>
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<td>Practical</td>
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<td>Exam</td>
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<td>EKG and Pulmonary rehab exam</td>
<td>25%</td>
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<td>Diabetes and amputations exam and stump wrapping practical</td>
<td>20%</td>
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<td>Compression and Lymphedema, DARS</td>
<td>20%</td>
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<td>Senior living options, ADA, home assessment</td>
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<td>Written Exam</td>
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<td>Community Engagement Reflection Paper</td>
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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 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, 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

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 coursework, 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.
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<td>21</td>
<td>22 8:30-5:00 SCI with Debbie Stafford</td>
<td>23 8:30-5:00 SCI with Debbie Stafford</td>
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<td>5 EKG with Dr. Weise</td>
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<td>11 8:30-5:00 SCI with Debbie Stafford</td>
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<td>18 9:00-11:00 Dr. Braden ADA</td>
<td>19 ADA home evaluation on your own</td>
<td>20 9-12 Dr. Mike Carmichael Diabetes an overview</td>
<td>21 9-12 Amputations video</td>
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<td>25 1:00-4:00 Whitney Brandon Amputations</td>
<td>26 1:00-4:00 Whitney Brandon Amputations</td>
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<tr>
<td>2 9-12 Lymphedema with Megan Cordes</td>
<td>3 10-12 Exam from end of ADA home stuff.</td>
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