Course Information

Course Description
Course provides student physical therapists with skills necessary to recognize and select tests and measures commonly utilized in the collection of data during the examination of patients/clients referred for physical therapy in the acute care setting and in general health care settings. Appropriate test selection, characteristics of effective performance, data interpretation and documentation in professional formats will be practiced.

Course Credits
64 lecture hours; 48 laboratory hours
Prerequisite and Co-requisite Courses
Successful completion of previous DPT coursework

Prerequisite Skills
Accessing Internet websites, using ASU Library resources, and proficiency with Microsoft Word and PowerPoint are expectations of PT 7550.

Program Outcomes
Upon completion of the program of study for the DPT Program, the graduate will be prepared to:

Student Learning Outcomes
1. Describe and administer each test, including manual muscle strength (7D19o), range of motion (7D19s), and basic mobility (7D19m), or measurement tool accurately and with precision. (6A, 7D19-20)
2. Identify the definition and purpose of specific tests or measures discussed in class. (7D19)
3. Select appropriate tests and measures based on history and systems review processes. (7D16-20)
4. Describe the types of data that may be generated by selected tests and measures. (7D20-21, 32)
5. Pursue and consider reliability and validity of data generated by tests and measures. (6A, 7D20)
6. Correctly interpret data collected to make reliable clinical judgments. (7D20-22)
7. Develop documentation of data in the appropriate professional format. (7D32)
8. Determine and explain test results to peers, patients/clients and other healthcare providers (7D20-22, 32)
9. Display (Demonstrate) generic abilities and professional behaviors. (7D16-22)
10. Discuss and participate in self-assessment and peer assessment activities. (7D16-20)
11. Demonstrate communication of assessment findings to a physical therapy assistant. (7D16-22, 32)
12. Discriminate between venous and arterial wounds using ABI, distal pulses, and girth measurements, wound description, blood flow, and causal relation for wound type. (7D19e, j)
13. Students will discriminate between normal (fluid retention) edema and edema associated with lymphedema, using patient history, palpation and stemmer’s sign. (7D19e)
14. Students will relate findings in wound measurement, location, size, history, to wound type and potential treatment options associated with type. (7D19e, j)
15. Complete static/dynamic balance assessment by demonstrating mastery in laboratory settings. (7D19d)
16. Demonstrate in lab the ability to assess joint integrity via passive motion and joint
mobility via active motion to indicate presence or severity of an impairment. (7D19k)
17. Assess bed mobility, transfers, and locomotion by demonstrating mastery on practical
exam. (7D19m)
18. Demonstrate muscle strength and length assessment in laboratory check off and
practical exam. (7D19o)
19. Perform the 6 sections of the neurologic exam identifying the parts and the functions of
the nervous system being tested. (7D19d,g,k,l,m,n,p,q,r,t,u)
   a. mental status
   b. cranial nerves
   c. motor exam
   d. reflexes
   e. coordination and gait
   f. sensory exam
20. Examine patient/client and respond effectively, including environmental emergencies,
for the current practice setting

Course Delivery
Instruction will include classroom lecture, case studies, laboratory practice, and interaction with
peers as the common methods for presentation of course materials. Blackboard will be utilized
to provide students with announcements and class materials in advance. Reading assignments
for the texts will be listed in the course schedule. Additional readings may be posted on
Blackboard as necessary. Students are responsible for the reading material and should be able
to discuss and contribute to class discussions whenever appropriate. Quizzes will be given
based upon readings. The faculty may provide additional reading assignments.

Required Texts and Materials
Norkin CC, White DJ. Measurement of Joint Motion. 5th ed; Philadelphia, PA: FA
Davis; 2016
Avers and Brown. Daniels and Worthingham’s Muscle Testing. 10th ed: St. Louis, MO:
Elsevier Inc.; 2019.

Recommended Texts and Materials
Pierson, FM, Fairchild, SL. Principles & Techniques of Patient Care. 6th ed; St. Louis, MO:
Elsevier Inc.; 2017
APTA: Guide To Physical Therapy Practice (GTPTP), Version 3.0 online
at guidetoptpractice.apta.org.
Osbourne, Jacqueline. Documentation for Physical Therapist Practice: A Clinical
Technology Requirements

To successfully complete this course, students need to use tools such as Respondus Monitor and Respondus Lockdown Browser. It is an expectation of the program that technology be used in a way that supports learning and benefits you and your classmates. Students must silence cell phones and place them out of sight during class unless instructed to use them by the professor. Permission may be granted, at the instructor’s discretion, to have a cell phone out during class. Students seeking permission to have cell phones out during class must do so prior to the start of class. Points will be deducted from your final course grade at the discretion of faculty members if any technology (including but not limited to cell phone, tablet, laptop) is used in a manner that is not professional and beneficial in the learning environment. Additionally, the first offense includes a verbal warning that will be documented in the behavioral tracking sheet. The second offense includes the initiation of a disciplinary tracking form. The third offense will result in the convening of a disciplinary committee to decide upon further disciplinary action.

Communication

Faculty will respond to email and/or telephone messages within 24 hours during working hours Monday through Friday. Weekend messages may not be returned until Monday. All private communication will be done exclusively through your ASU email address. Check frequently for announcements and policy changes. In your emails to faculty, include the course name and section number in your subject line. Office hours and/or advising may be done with the assistance of the telephone or other methods when needed.

ACCIDENT/INCIDENT REPORTING:

Any student involved in a safety incident on ASU property or at an ASU related educational activity (e.g. accidental needle stick, fall, etc.) must immediately notify the course coordinator, clinical instructor and/or department chair. If the incident occurs after hours, all incidents must be reported to the University Police at 942-2071. A student Accident/Incident Report must be completed no matter how insignificant the incident may appear. [See Appendix 15 of the Student Handbook for the form.]

Grading

Evaluation and Grades

Course grades will be determined as indicated in the table below.

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Percent/Points of Total Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes (1-2 points each)</td>
<td>5%</td>
</tr>
<tr>
<td>EXAM I-closed book, individual effort</td>
<td>15%</td>
</tr>
<tr>
<td>Exam II-closed book, individual effort</td>
<td>15%</td>
</tr>
<tr>
<td>Exam III- closed book, individual (comprehensive)</td>
<td>20%</td>
</tr>
<tr>
<td>Assessment</td>
<td>Percent/Points of Total Grade</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>Skills/Practical Exam I</td>
<td>15%</td>
</tr>
<tr>
<td>Skills/Practical Exam II</td>
<td>15%</td>
</tr>
<tr>
<td>Documentation Project</td>
<td>15%</td>
</tr>
<tr>
<td>TOTAL</td>
<td>100%</td>
</tr>
</tbody>
</table>

**Grading System**

Course grades will be dependent upon completing course requirements and meeting the student learning objectives/outcomes.

The following grading scale is in use for this course: *(Minimal passing grade is 80%)*

**Students achieving less than 80% will be referred to the Academic Committee (See Student Handbook for Policy).**

- A = 90.00-100 points
- B = 80.00-89.99 points
- C = 70.00-79.99 points
- F = 0-69.99 points

Appropriate professional behaviors are required, and if not demonstrated, will affect your grade. Professional behaviors include contributing to group activities and participating in preparation activities and scheduled class sessions.

**Teaching Strategies**

Students are expected to be “active learners.” It is a basic assumption of the instructor that students will be involved *(beyond the materials and lectures presented in the course)* discovering, processing, and applying the course information using peer-review journal articles, researching additional information and examples on the internet, and discussing course material and clinical experiences with their peers.

**Assignment and Activity Descriptions**

*Please note: Rubrics for assignments and activities are located at the end of this syllabus.*

**Quizzes:** These *timed* quizzes cover materials from the required textbook chapters. The quizzes are open note, open book and materials, but they are an INDIVIDUAL effort. Complete the quizzes on your own with no classmates present. Pay close attention to which chapters are covered on each quiz. The quizzes are due by the due date as noted on the course schedule. You may submit quizzes early. Only one submission is allowed. Pay attention to the total time allowed to submit the quizzes, and submit prior to the time expiring.
Documentation Assignment Submission:
All assignments MUST be submitted through the Assignments link in the Blackboard site. This is for grading, documenting, and archiving purposes. Issues with technology use arise from time to time. SUBMIT ASSIGNMENTS EARLY to allow time to work through technology difficulties. If a technology issue does occur regarding an assignment submission, email me at hbraden@angelo.edu and attach a copy of what you are trying to submit. Please contact the IT Service Center at (325) 942-2911 or go to your Technology Support tab to report the issue. This lets your faculty know you completed the assignment on time and are just having problems with the online submission feature in Blackboard. Once the problem is resolved, submit your assignment through the appropriate link. This process will document the problem and establish a timeline. Be sure to keep a backup of all work.

Late Work or Missed Assignments Policy
Due dates and times for assignments are posted. Late assignments are not accepted without prior approval of faculty. Faculty reserve the right to deduct points for late assignments that are accepted past the original due date.

General Policies Related to This Course
All students are required to follow the policies and procedures presented in these documents:
- Angelo State University Student Handbook
- Angelo State University Catalog

Student Responsibility and Attendance
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:
  a. First offense - verbal warning
  b. Second offense - second verbal warning, initiation of Disciplinary Tracking Form.
  c. Third offense - 1% off final course grade
  d. 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 IN THE SCHEDULED LOCATION (e.g., CLASSROOM OR TESTING CENTER) IS MANDATORY.** Any unexcused absence from an examination will automatically result in a score of ZERO for that examination. Attempt(s) to take the exam in a location other than that scheduled by the professor without prior approval will automatically result in a score of ZERO for that examination. In the event that a student is late to an exam, that student will automatically receive a MINIMUM of 15 percentage points off of the total exam grade, and will ONLY be given the remainder of the time from the scheduled start time to finish the exam. Additionally, attempting to take the exam in an unscheduled location or being late to or absent from an exam will result in initiation of a disciplinary tracking form. Any student absent from examinations due to illness or injury must have a written justification from their physician. Absence from or tardiness to an examination for any other reason must be excused before the time of the scheduled examination by the professor 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.

**Policy on Quiz/Test Question Review:**
1. Quizzes/Tests will be analyzed by faculty to determine validity of questions and accuracy of answers at their earliest convenience.
2. If errors are determined, adjustments will be made before grades are assigned.
3. There will be no discussion on test questions until analysis and grades are assigned.
4. If a student opposes a question’s answer, he or she will have 24 hours after posting of grades to provide by email a paper to support the chosen answer. The maximum accepted length of the paper is 1 page (double spaced & font 12). Only references cited in class will be accepted (textbooks, PowerPoint, &/or articles cited in PowerPoints). An individual time will be scheduled with the student to review the challenged question(s).
5. Student queries prior to the announcement of assigned grades will negate the opportunity to challenge a question.
6. Faculty may elect to discuss the concept of specific questions with a high percentage of missed answers in class. No change in grades will be made based upon class discussion, see #4.

**Cell Phones:** Students must silence cell phones and place them out of sight during class. Permission may be granted, at the instructor’s discretion, to have a cell phone out during class. Students seeking permission to have cell phones out during class must do so prior to the start of class. The first offense includes a verbal warning that will be documented in the behavioral tracking sheet. The second offense includes the initiation of a disciplinary tracking form. The third offense will result in the convening of a disciplinary committee to decide upon further disciplinary action.

**Technical Standards:** Enrolled students are expected to complete the academic and clinical requirements of the professional program. Please refer to Appendix 1 of the latest DPT Program Student Handbook for the technical standards of being a student physical therapist.

Students are encouraged to wear a mask inside buildings at this time. Mandates are subject to change throughout the semester and will be announced as circumstances re: COVID-19 change.

**Accommodations for Students with 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 Disability Services is located in the Office of Student Affairs, and is the designated campus department charged with the responsibility of reviewing and authorizing requests for reasonable accommodations based on a disability. It is the student’s responsibility to initiate such a request by contacting an employee of the Office of Student Affairs, in the Houston Harte University Center, Room 112, or contacting the department via email at ADA@angelo.edu. For more information about the application process and requirements, visit the Student Disability Services website. The employee charged with the responsibility of reviewing and authorizing accommodation requests is:

Dallas Swafford  
Director of Student Disability Services  
Office of Student Affairs  
325-942-2047  
dallas.swafford@angelo.edu  
Houston Harte University Center, Room 112
**Academic Integrity**

Students are expected to maintain complete honesty and integrity in all work. Any student found guilty of any form of dishonesty in academic work is subject to disciplinary action and possible expulsion from ASU.

The College of Health and Human Services adheres to the university’s Statement of Academic Integrity.4

**Incomplete Grade Policy**

It is policy that incomplete grades be reserved for student illness or personal misfortune. Please contact faculty if you have serious illness or a personal misfortune that would keep you from completing course work. Documentation may be required. See ASU Operating Policy 10.11 Grading Procedures5 for more information.

**Plagiarism**

Plagiarism is a serious topic covered in ASU’s Academic Integrity policy6 in the Student Handbook. Plagiarism is the action or practice of taking someone else’s work, idea, etc., and passing it off as one’s own. Plagiarism is literary theft.

In your discussions and/or your papers, it is unacceptable to copy word-for-word without quotation marks and the source of the quotation. It is expected that you will summarize or paraphrase ideas giving appropriate credit to the source both in the body of your paper and the reference list.

Papers are subject to be evaluated for originality. Resources to help you understand this policy better are available at the ASU Writing Center.7

**Student Absence for Observance of Religious Holy Days**

A student who intends to observe a religious holy day should make that intention known in writing to the instructor prior to the absence. See ASU Operating Policy 10.19 Student Absence for Observance of Religious Holy Day8 for more information.

**Copyright Policy**

Students officially enrolled in this course should make only one printed copy of the given articles and/or chapters. You are expressly prohibited from distributing or reproducing any portion of course readings in printed or electronic form without written permission from the copyright holders or publishers.
Syllabus Changes
The faculty member reserves the option to make changes as necessary to this syllabus and the course content. If changes become necessary during this course, the faculty will notify students of such changes by email, course announcements and/or via a discussion board announcement. It is the student’s responsibility to look for such communications about the course on a daily basis.

Title IX at Angelo State University
Angelo State University is committed to providing and strengthening an educational, working, and living environment where students, faculty, staff, and visitors are free from sex discrimination of any kind. In accordance with Title VII, Title IX, the Violence Against Women Act (VAWA), the Campus Sexual Violence Elimination Act (SaVE), and other federal and state laws, the University prohibits discrimination based on sex, which includes pregnancy, and other types of Sexual Misconduct. Sexual Misconduct is a broad term encompassing all forms of gender-based harassment or discrimination and unwelcome behavior of a sexual nature. The term includes sexual harassment, nonconsensual sexual contact, nonconsensual sexual intercourse, sexual assault, sexual exploitation, stalking, public indecency, interpersonal violence (domestic violence or dating violence), sexual violence, and any other misconduct based on sex.
You are encouraged to report any incidents involving sexual misconduct to the Office of Title IX Compliance and the Director of Title IX Compliance/Title IX Coordinator, Michelle Miller, J.D. You may submit reports in the following manner:
Online: www.angelo.edu/incident-form
Face to face: Mayer Administration Building, Room 210
Phone: 325-942-2022
Email: michelle.miller@angelo.edu
Note, as a faculty member at Angelo State, I am a mandatory reporter and must report incidents involving sexual misconduct to the Title IX Coordinator. Should you wish to speak to someone in confidence about an issue, you may contact the University Counseling Center (325-942-2371), the 24-Hour Crisis Helpline (325-486-6345), or the University Health Clinic (325-942-2171). For more information about resources related to sexual misconduct, Title IX, or Angelo State’s policy please visit: www.angelo.edu/title-ix.

Course Schedule- Fundamentals for PT Exam (PT 7550)
May change at teacher’s discretion, and some content may be offered online.

<table>
<thead>
<tr>
<th>Week</th>
<th>General Topic Area</th>
<th>Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug 24 (HB)</td>
<td>Intro to Course</td>
<td>Syllabus</td>
</tr>
</tbody>
</table>
(Tue) HHS 210
Class of Function, Disability, Health
GTPTP
History, Systems Review
Cognition & Attention, Arousal & Behavior

**MUSCULOSKELETAL SYSTEM**

Aug 26 (HB)
Palpation, Jt. Integrity
GTPTP
(Thur)
ROM/Flexibility
Intro to Goniometry
N&W Ch 1
Intro to Strength/MMT
D&W Ch 1-2

Aug 31 (HB)
Cervical Spine
N&W Ch 11, D&W Ch 3
TMJ, Head & Face
N&W Ch 13, D&W Ch 7

Sept 2 (HB, YH)
Thoracolumbar Spine
N&W Ch 12, D&W Ch 4
Posture
GTPTP
Body Mechanics & Ergonomics
GTPTP

Sept 7 (HB, YH)
**SPINE QUIZ DUE VIA BLACKBOARD 7 am BEFORE CLASS** (11q, 1%)
Shoulder
N&W Ch 5, D&W Ch 5

Sept 9 (HB, YH)
**SHOULDER QUIZ DUE VIA Bb 7 am BEFORE CLASS*** (26 q, 1%)
Elbow, Forearm
N&W Ch 6, D&W Ch 5

Sept 14 (HB, YH)
Wrist & Hand
N&W Ch 6-7, D&W Ch 5

Sept 16 (YH, HB)
**ELBOW & WRIST/HAND QUIZ DUE on Bb before 7 am** (20 q, 1%)
Hip
N&W Ch 8, D&W Ch 6
Knee
N&W Ch 9

Sept 21 (YH, HB)
**HIP QUIZ DUE VIA Bb7 am BEFORE CLASS** (17 q, 1%)
Foot & Ankle
N&W Ch 10, D&W Ch 6

Sept 23 (YH, HB)
**KNEE & ANKLE QUIZ DUE VIA Bb 7 am BEFORE CLASS** (14 q, 1%)
LE Integration

Sept 28 (TUES)
Practical Skills Exam #1 (8:00-11:30) in HHS 210 (15% of course grade)
Sept 30 (HB, YH)  Written Exam #1, bring laptops to class, must have lockdown browser installed and ready to go prior (8:00 am) (15%)

**FUNCTIONAL MOBILITY**

Oct 5 (HB)  Terminology for transfer & mobility assist  GTPTP  
Bed Mobility  P&F Ch 8

Oct 7 (HB)  Transfers  P&F Ch 8

**DOCUMENTATION**

Oct 12 (TH)  Documentation – Fundamentals and ICF model  
IE: Reason for Referral, Activities, Impairments

Oct 14 (TH)  Documentation – Assessment, Goals, Intervention Plan, Daily notes, Discharge summaries

**NEUROMUSCULAR SYSTEM**

Oct 19 (LW)  Cranial & Peripheral Nerves  GTPTP  
Sensory Integrity  GTPTP  
Pain  GTPTP  
Reflex Integrity  GTPTP

Oct 21 (LW)  Tone  GTPTP  
Motor Function: Motor Control, Coordination

TPTA Annual Conference in Round Rock Oct 28-30, but we will still have class.  

**FUNCTIONAL MOBILITY continued**

Oct 26 (HB)  Wheelchair Assessment  P& F Ch 7

Oct 28 (HB)  Locomotion, Gait  P&F Ch 9  

****Documentation Initial Eval and Daily Note due (15% of course grade)****

Nov 2 (HB)  Balance, Falls  GTPTP

Nov 4 (HB)  Review bed mobility, transfers, w/c assess, gait, balance, falls

Nov 9 (HB, YH)  Skills Exam #2 (8:00-11:30 am) in HHS 210 (15%)
Nov 11  Written Exam #2, bring laptop to class, use lockdown (8:00 am) (15%)

ADAPTATIONS & ADLS

Nov 16 (HB)  Assistive & Adaptive Devices
Mobility w AD

Nov 18 (HB)  ADL, Self-Care, & Home Management

Nov 23 (HB)  IADL, Work, Community, Integration

Nov 24-28 (HB)  Happy Thanksgiving!

INTEGUMENTARY SYSTEM

Nov 30 (KM)  Circulation
Integument
Edema, Anthropometrics
Lymphedema

Dec 2  (YH)  Class review and practice regarding ADL adaptations

Dec 7 (Tues)  Final Exam (Comprehensive, 20% of course grade, HHS 210),
bring laptops to class, lockdown, **8:00 am – 10:00 am**

Guide to Physical Therapist Practice – GTPTP
Norkin and White text – N&W
Daniels and Worthingham text – D&W

Grading Rubrics

**Practical/Skills Exam I Grading Criteria**

3 points- no assistance needed
2 points- verbal assist x 1 for pt position, hand placement, resistance/device
1 point- verbal assist x 2
0-unable to perform

MMT #1_______________________________

MMT #2_______________________________

MMT #3_______________________________
ROM #1________________________________

ROM #2_______________________________  Total:______/ 15 possible points

**Practical/Skills Exam II Grading Criteria**

5 points- no assistance needed  
4 points- verbal assist x 1 for position, hand placement, technique  
3 points- verbal assist x 2  
2 points- verbal assist x 3  
1 point- completed task with >3 assists

Sensory Exam or Reflex Testing____________________

________________________________________________

Bed Mobility or Transfers (level of assistance score by PT)

_________________________________________________

W/C measure, Gait impairment, or balance scale interpretation

__________________________________________________

Total:______/ 15 possible points

**Student Evaluation of Faculty and Course**

Students in all programs are given the opportunity to evaluate their courses and the faculty who teach them. Evaluations are most helpful when they are honest, fair, constructive, and pertinent to the class, clinical experience, or course. Faculty value student evaluations, and use student suggestions in making modifications in courses, labs and clinical experiences.

Angelo State University uses the IDEA (Individual Development and Educational Assessment) system administered through Kansas State University for all course evaluations. The Office of Institutional Research and Assessment administers IDEA for the entire university, online and has established a policy whereby students can complete course evaluations free from coercion.

Student Learning Objectives that are Essential or Important for this PT 7550 course are the following:

1. Gaining a basic understanding of the subject (e.g., factual knowledge, methods, principles, generalizations, theories)
2. Learning to apply course material (to improve thinking, problem solving, and decisions)
3. Developing specific skills, competencies, and points of view needed by professionals in the field most closely related to this course
4. Learning to apply knowledge and skills to benefit others or serve the public good

2. https://www.angelo.edu/catalogs/
3. https://www.angelo.edu/services/disability-services/
5. https://www.angelo.edu/content/files/14197-op-1011-grading-procedures
7. https://www.angelo.edu/dept/writing_center/academic_honesty.php
8. https://www.angelo.edu/content/files/14206-op-1019-student-absence-for-observance-of