Instructor: Kelly D. Moore P.T., MBA, CWS, DPT
Email: kelly.moore@angelo.edu
Phone: 325-486-6676
Office: AHHS 224B
Office Hours: By appointment

Course Information

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 Credits
3 Credits (2-3-0)

Prerequisite and Co-requisite Courses
PT curriculum

Prerequisite Skills
Skills acquired thus far in the Doctor of Physical Therapy Program

Program Outcomes
Upon completion of the program of study for the Doctor of Physical Therapy, the graduate will be prepared to:
## Student Learning Outcomes

<table>
<thead>
<tr>
<th>Student Learning Outcome</th>
<th>Assignment(s) or activity(ies) validating outcome achievement:</th>
<th>Mapping to Program Outcomes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Design an assessment for a spinal cord injured patient. 7D2, 7D6, 7D7, 7D10, 7D12, 7D16, 7D17, 7D18, 7D19 all, 7D20, 7D22</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
<td></td>
</tr>
<tr>
<td>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</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
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<tr>
<td>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</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
<td></td>
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<tr>
<td>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</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
<td></td>
</tr>
<tr>
<td>5. Apply essentials of rehabilitation practice while conducting a home and/or ergonomic assessment in the community. 7D38</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
<td></td>
</tr>
<tr>
<td>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</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
<td></td>
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<tr>
<td><strong>7.</strong> Conduct a home and/or ergonomic assessment. 7D19</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
<td></td>
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<tr>
<td><strong>8.</strong> Interpret and utilize EKG findings in complex cardiopulmonary patient care. 7D19</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
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</tr>
<tr>
<td><strong>9.</strong> Interpret and utilize ABG findings in complex cardiopulmonary patient care. 7D11, 7D19, 7D20, 7D23</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
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</tr>
<tr>
<td><strong>10.</strong> 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</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
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<tr>
<td><strong>11.</strong> 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</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
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<tr>
<td><strong>12.</strong> 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</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
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<tr>
<td><strong>13.</strong> Develop an intervention plan for persons with diabetes that addresses multi-system issues. 7D10, 7D12, 7D17, 7D18, 7D19, 7D20, 7D21, 7D22, 7D23, 7D24, 7D25</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
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<tr>
<td>By completing all course requirements, students will be able to:</td>
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<td>7D27, 7D28, 7D31, 7D33</td>
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<tr>
<td>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</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
<td></td>
</tr>
<tr>
<td>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</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
<td></td>
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<tr>
<td>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, 7D25, 7D27, 7D30</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
<td></td>
</tr>
<tr>
<td>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</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
<td></td>
</tr>
<tr>
<td>18. Supply the components of wheelchair assessments. 7D10, 7D11, 7D12, 7D16, 7D17, 7D18, 7D19, 7D20, 7D24, 7D28, 7D30, 7D31, 7D33, 7D37</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
<td></td>
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<tr>
<td>19. Discuss pros and cons of various wheelchair component options. 7D10, 7D11, 7D12, 7D16, 7D17, 7D18, 7D19, 7D20, 7D24, 7D28, 7D30, 7D31, 7D33, 7D37</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
<td></td>
</tr>
</tbody>
</table>
### Student Learning Outcome

By completing all course requirements, students will be able to:

<table>
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<th>Assignment(s) or activity(ies) validating outcome achievement:</th>
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<tbody>
<tr>
<td>20. Define pain in the post amputation patient and techniques to handle pain. 7D19q</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
</tr>
<tr>
<td>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</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
</tr>
<tr>
<td>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</td>
<td>Classroom, lab activities, with lab practical exams and didactic exams</td>
</tr>
</tbody>
</table>

### Course Delivery

This is a face-to-face course with learning resources and supplemental materials posted in Blackboard.

### Required Texts and Materials


### PREVIOUSLY PURCHASED TEXTS THAT ARE REQUIRED:


### Recommended Texts and Materials

Technology Requirements
To successfully complete this course, students need to have access to Respondus Lockdown Browser
To participate in one of ASU’s distance education programs, you need this technology:

- A computer capable of running Windows 7 or later, or Mac OSX 10.8 or later
- The latest version of one of these web browsers: internet Explorer, Firefox, or Safari
- Microsoft Office Suite or a compatible Open Office Suite
- Adobe Acrobat Reader
- High Speed Internet Access
- Ethernet adapter cable required (wireless connections can drop during tests and Collaborate sessions)
- Webcam
- Refer to Angelo State University’s Distance Education website for further technology requirements: [Angelo State University’s Distance Education Website](#)

Topic Outline
1. ADA requirements
2. Diabetes
3. Lymphedema
4. Spinal Cord Injury
5. EKG
6. Amputations

Communication
E-mail is the preferred communication tool if not discussed in class. Appointments can be made via e-mail. I will answer all correspondence in 24 hours of receiving, except weekends. Likely will answer immediately or again within 24 hours.

Grading

Evaluation and Grades
Course grades will be determined as indicated in the table below.
Assessment | Percent/Points of Total Grade
--- | ---
ADA assignment | 15
EKG | 25
Diabetes, amputations, lymphedema exam | 25
SCI* | 35
Total | 100%

*SCI broken down into:
Practical 33%
Exam 33%
FOR 33%

**Grading System**
Course grades will be dependent upon completing course requirements and meeting the student learning outcomes.

The following grading scale is in use for this course:
- A = 90.00-100 points
- B = 80.00-89.99 points
- F = < 79.99

**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 all assignments and activities are located at the end of this syllabus.*
Dr. Braden will discuss the submission of your ADA assignment.
Dr. Weise will either give an exam or an assignment for the EKG portion.
Dr. Stafford has broken down the SCI grading criteria and all rubrics will be made available.
Dr. Moore will be giving SCI and Diabetes, amputations and lymphedema exams via Respondus
Late Work or Missed Assignments Policy
Please put your course policy here. Here are two examples other faculty have used. The policy is the decision of the faculty member teaching the course.

POLICY ON LATE OR MISSED ASSIGNMENTS
Due dates and times for assignments are posted. Failure to submit your assignments on the assigned date will result in a five percent deduction for each day after the posted deadline. No papers or postings will be accepted more than one week past the assigned due date.

OR

Late Work Policy
The course is set up on weekly modules. The week begins on Monday and ends on Sunday. Assignment due dates are shown on the calendar/schedule or posted within Blackboard. 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:

Course Syllabus Statement on Required Use of Masks/Facial Coverings by Students in Class At Angelo State University
As a member of the Texas Tech University System, Angelo State University has adopted the mandatory Facial Covering Policy to ensure a safe and healthy classroom experience. Current research on the COVID-19 virus suggests there is a significant reduction in the potential for transmission of the virus from person to person by wearing a mask/facial covering that covers the nose and mouth areas. Therefore, in compliance with the university policy students in this class are required to wear a mask/facial covering before, during, and after class. Faculty members may also ask you to display your daily screening badge as a prerequisite to enter the classroom. You are also asked to maintain safe distancing practices to the best of your ability. For the safety of everyone, any student not appropriately wearing a mask/facial covering will be asked to leave the classroom immediately. The student will be responsible to make up any missed class content or work. Continued non-compliance with the Texas Tech University System Policy may result in disciplinary action through the Office of Student Conduct.

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 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.

**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 of disciplinary action and possible expulsion from ASU.

The College of Health and Human Services adheres to the university’s [Statement of Academic Integrity](#).
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.

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

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 Procedures for more information.

Plagiarism
Plagiarism is a serious topic covered in ASU’s Academic Integrity policy 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.

**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 Day 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 Boone, 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.boone@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

<table>
<thead>
<tr>
<th>Week/Date</th>
<th>Topic/Assignments/Assessments DUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday, October 12 9-12</td>
<td>Dr. Braden ADA</td>
</tr>
<tr>
<td>Tuesday, October 13 9-12</td>
<td>Complete Dr. Braden’s take home ADA assignment</td>
</tr>
<tr>
<td>Wednesday, October 14 9-12</td>
<td>Dr. Michael Carmichael, Diabetes</td>
</tr>
<tr>
<td>Thursday, October 15 9-12</td>
<td>Megan Cordes, Lymphedema</td>
</tr>
<tr>
<td>Tuesday-Friday, October 20-23 9-4:30</td>
<td>Debbie Stafford, SCI</td>
</tr>
<tr>
<td>Tuesday-Friday, October 27-30 9-4:30</td>
<td>Debbie Stafford, SCI</td>
</tr>
<tr>
<td>Monday, November 2 9-12, 1-4</td>
<td>Dr. Weise, EKG</td>
</tr>
<tr>
<td>Tuesday&amp; Wednesday, November 3-4, 9-12</td>
<td>Dr. Weise, EKG</td>
</tr>
<tr>
<td>Week/Date</td>
<td>Topic/Assignments/Assessments DUE</td>
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<tr>
<td>Thursday &amp; Friday, November 5-6</td>
<td>Dr. Weise EKG, Friday morning open lab, exam Friday afternoon on EKG</td>
</tr>
<tr>
<td>9-12, 1-4</td>
<td></td>
</tr>
<tr>
<td>Tuesday-Friday, November 10-13</td>
<td>Tuesday practice practical, Wed-Thurs practical exams, Friday, written exam</td>
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<tr>
<td>9-4:30</td>
<td></td>
</tr>
<tr>
<td>Monday, November 16</td>
<td>Dr. Moore amputations and amputation videos</td>
</tr>
<tr>
<td>9-12</td>
<td></td>
</tr>
<tr>
<td>Tuesday November 17&amp;18</td>
<td>Russ Miller Prosthetist from WTRC, Tuesday general info, Wednesday, gait deviations</td>
</tr>
<tr>
<td>9-12</td>
<td></td>
</tr>
<tr>
<td>Thursday November 19</td>
<td>Dr. Moore review for diabetes, amputations and lymphedema exam</td>
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<tr>
<td>9-12</td>
<td></td>
</tr>
<tr>
<td>Friday November 20 (if not 21)</td>
<td>Exam on above information</td>
</tr>
<tr>
<td>9-12</td>
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</tbody>
</table>

**Grading Rubrics**

**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.

Select the SLO’s you use

1. Gaining a basic understanding of the subject (e.g., factual knowledge, methods, principles, generalizations, theories)
2. Developing knowledge and understanding of diverse perspectives, global awareness, or other cultures
3. Learning to apply course material (to improve thinking, problem solving, and decisions)
4. Developing specific skills, competencies, and points of view needed by professionals in the field most closely related to this course
5. Acquiring skills in working with others as a member of a team
6. Developing creative capacities (inventing, designing, writing, performing in art, music, drama, etc.)
7. Gaining a broader understanding and appreciation of intellectual/cultural activity (music, science, literature, etc.)
8. Developing skill in expressing oneself orally or in writing
9. Learning how to find, evaluate, and use resources to explore a topic in depth
10. Developing ethical reasoning and/or ethical decision making
11. Learning to analyze and critically evaluate ideas, arguments, and points of view
12. Learning to apply knowledge and skills to benefit others or serve the public good
13. Learning appropriate methods for collecting, analyzing, and interpreting numerical information

End of Syllabus

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2. https://www.angelo.edu/catalogs/
4. 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