

**THE UNIVERSITY OF TEXAS AT EL PASO  
PHYSICAL THERAPY PROGRAM  
SUMMER 2009**

**PHYT : 5411 Neurorehabilitation I**

**COURSE SYLLABUS**

- Credit Hours:** 4
- Contact Hours:** 6 lecture hours per week and 6 lab hours per week; Practical Exam; 3 written exams
- Schedule:** Monday through Thursdays 3:30-6:30 pm  
Possible clinic visits scheduled on Fridays
- Instructors:** Allison Carson, PT, MPT      Heather Allen, PT, MPT  
Phone: 204-0750                      842-9610  
Email: accarson@utep.edu          hcondie@utep.edu  
Office hours: by appointment
- Description:** Physical therapy and patient/client management of persons with common adult neurologic disorders.
- Course Content:** Neurologic examination, acute CVA, TBI, SCI, neurologic oncology, neurologic patient evaluation and treatment, considerations while in acute care setting for patients with Guillain-Barre, multiple sclerosis, amyotrophic lateral sclerosis, Parkinson's disease, neuroplasticity and recovery, psychiatric disorders, delirium, dementia, Alzheimer's, peripheral neuropathy, chronic pain syndrome.
- Objectives:** Upon completion of this course, the student should be able to:
1. Perform the neurologic evaluation on patients having various neurological pathologies.
  2. Perform a timely patient history with patients having various neurological pathologies.
  3. Collect from the patient chart pertinent information relevant to the care of patients having various neurological pathologies.
  4. Perform a timely examination and evaluation on patients with various neurological pathologies in the acute care phase
  5. Identify location of lesion(s) based on signs and symptoms presented by the patient.
  6. Develop appropriate plan of care for patients with various neurological pathologies in the acute care setting.
  7. Demonstrate appropriate oral and written communication as they relate to patient examination, evaluation,

diagnosis, prognosis, plan of care, incident reports, third party payers and referral base.

8. Display appropriate professional behavior when working with various neurologically involved patients.
9. Identify abnormal gait patterns based on presentation by the patient.
10. Identify appropriate functional assessment test to be used with patients having neurological problems.
11. Perform appropriate functional assessment test based on presentation by the patient.
12. Identify the appropriate orthotic(s) required by patients with neurologic problems.

**Required Texts:** Paz, Jaime C and West, Michele P. *Acute Care Handbook for Physical Therapists*. 2<sup>nd</sup> Edition. Boston: Butterworth-Heinemann; 2002.

O'Sullivan, Susan and Schmitz, Thomas. *Physical Rehabilitation*. Philadelphia: F.A. Davis Company; 2007.

Recommended Text:  
Hillegrass, Ellen Z. *Rehab Notes*. Philadelphia: F.A. Davis Company; 2007.

**Methods of Instruction:** Lecture, lab, clinic visits, group discussion, patient cases.

**Methods of Evaluation:**

Examination 1	25%
Examination 2	25%
Skill Checkout*	5%
Practical Examination*	5%
Final Examination	25%
Quizzes, homework, SOAP Notes	15%

Course grades will be assigned according to the scale used in the student handbook.

A= 92-100

B= 84-91

C= 75-83

F= <75

**\*\*Skill Checkout/Practical Examination:**

The comprehensive practical exam is graded numerically as it is 5% of your overall course grade. In addition it must be passed with a minimum score of 84% in order to earn a passing grade for this course. Failure of the safety portion of the exam will also result in failure of the practical. In the event of a failure on the initial exam, one retake will be given and it will be videotaped. Failure of the retake will result in failure of this course and ultimate dismissal from the PT program. If the student meets passing criteria for the practical exam on the second attempt, the grade that will be recorded is the grade from the first attempt. Successful completion of the second attempt is required to continue in the curriculum. Specific grading criteria will be issued prior to the exam.

**Course and Program Policies:**

All assignments must meet the deadline schedule; otherwise 5 points per day late will be deducted from that assignment grade. If there is no grade earned for an assignment that is late or not completed (such as reading assignments, participation, etc.), Generic Abilities will be addressed in the areas of responsibility and commitment to learning. If consistent patterns of below beginning level behavior are observed, it will be grounds for failure of the course.

**Scholastic Dishonesty:**

Students are expected to be above reproach in all scholastic activities. Students who engage in scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and dismissal from the University. "Scholastic dishonesty includes but is not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts." Regents' Rules and Regulations. Part One, Chapter VI, Section 3, Subsection 3.2, Subdivision 3.22. Since scholastic dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced. Refer to the following site for more information: <http://www.utep.edu/dos/acadmintg.htm#2>.

**Special Accommodations (ADA):**

If a student needs special accommodations under the Americans with Disabilities Act in order to achieve the objectives or requirements of this course, it is the student's responsibility to contact the course coordinator within one week of receiving this syllabus.

**Accumulated Knowledge:**

The UTEP Physical Therapy Program process is based on a "spiraling curriculum" model. Course work presented in the preceding semesters of the program is the prerequisite for future courses. Information presented in these courses is considered to be part of the student's knowledge base and is testable material in all-future courses.

This class incorporates all previous course work related to anatomy, basic science, kinesiology, neuroscience, patient care and therapeutic exercise. Although some review is incorporated into the course content, there is insufficient time to allow extensive detail or instruction. All students are expected, at the start of this course to be familiar with all material presented in preceding semesters of the physical therapy curriculum.

If you are unsure of this material, you should make an effort to review it at the beginning of the semester. If, after such review, a majority of students still feel inadequate in this knowledge, an extra, tutorial class may be scheduled. No allowance will be given for not knowing the previously presented material.

**Disclaimer:**

The class schedule, policies, and assignments in this course are subject to change in the event of extenuating circumstances or by mutual agreement between the instructor and the students.

**Generic Abilities:**

All students in the physical therapy curriculum are expected to comply with the student handbook and exhibit the generic abilities described therein. Cell phones should be turned off during class except in certain situations pre-approved by the instructor.

Generic Abilities will be self-assessed and assessed by the faculty at Midterm and at the end of the semester. If there are grievous behaviors that violate any of the policies and standards to which the students are held (See Student Handbook), the violation(s) will be grounds for failure of the course.

**Attendance:**

All students are expected to arrive promptly for class and to attend every class unless prior notification is given to the instructor by phone or email. Each unexcused absence will result in a 5% decrease in the final grade for the course. If you are late for class without prior approval; the first time you will be advised not to make it a habit, the second time you will receive a letter of counseling, and the third time you will have your final grade reduced by 5%. Each additional time you are late will result in a 5% reduction in your final grade.