

**SLCC PHYSICAL THERAPIST ASSISTANT PROGRAM**  
**PTA 2460 - Neurological Disorders Lab - 2 credit hours**  
**Course Syllabus - Summer Term 2005**

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**Texts:**

*Guide to Physical Therapist Practice 2<sup>nd</sup> Edition*, APTA, 2001.

O'Sullivan SB & Schmitz TJ: *Physical Rehabilitation Assessment and Treatment 4th Edition*, Philadelphia, PA: FA Davis, 2001.

O'Sullivan SB & Schmitz TJ: *Physical Rehabilitation Laboratory Manual: Focus on Functional Training*, Philadelphia, PA: FA Davis, 1999.

**Supplies and tools required:** Goniometer, measuring tape, and transfer/safety belt required.

**Prerequisites:** Satisfactory completion of all course work to this point in the curriculum; in addition, each student must meet all other academic and clinical performance standards in order to continue in the technical portion of the Physical Therapist Assistant Program.

**Course Description:** Students will learn principles and components of physical therapy interventions for the neurological patient.

**General Course Objectives:** At the conclusion of this course, following the physical therapist's plan of care, the student will be able to:

1. Recognize and demonstrate data collection and interventions typical for the neurological patient.
2. Recognize and demonstrate physical therapy interventions specific for individuals with hemiplegia.
3. Recognize and demonstrate physical therapy interventions specific for individuals with post traumatic head injury.
4. Recognize and demonstrate physical therapy interventions specific for individuals with Parkinson's.
5. Recognize and demonstrate physical therapy interventions specific for individuals with peripheral nerve injuries, lower motor neuron disorders, and brachial plexus injuries.
6. Recognize and demonstrate physical therapy interventions specific for individuals with multiple sclerosis.
7. Recognize and demonstrate physical therapy interventions specific for individuals with post-polio syndrome, Guillain-Barre', Huntington's Chorea, HIV, and cerebellar dysfunction.
8. Recognize and demonstrate physical therapy interventions specific for individuals with RSD, ALS, spinal muscle atrophy, and Myasthenia Gravis.
9. Recognize and demonstrate physical therapy interventions specific for individuals with Alzheimer's disease.
10. Recognize and demonstrate physical therapy interventions specific for individuals with spinal cord injuries.
11. Within the physical therapist's plan of care for a specific client, demonstrate appropriate functional PNF treatment techniques.

12. Within the physical therapist's plan of care for a specific client, understand the rationale for short- and long-term goals and interventions.

SLCC is committed to fostering and assessing the following student learning outcomes in its programs and courses:

- \*Acquiring substantive knowledge in the field of their choice
- \*Developing quantitative literacies
- \*Developing the knowledge and skills to be civically engaged
- \*Thinking critically
- \*Communicating effectively

**Course Procedure:** The course is taught in a four week intensive block. The course content introduces the student to a variety of treatment approaches for neurological diagnoses with hands-on activities including interactions with clients, small group problem solving activities and presentations. Lab clothes are required as outlined in the Program Handbook.

**Grading:** Distribution of the course grade will be as follows:

Professionalism/Generic Abilities

includes preparation for lab, attentiveness, timeliness, lab participation	100 points
Assignments	50 points
Case Studies (4)	Each 50 points
PNF Practical Examination	100 points
Comprehensive Final/Practical Examination	100 points

**Assignments and Case Studies:**

Due one day after the assignment is given. No late assignments will be accepted. A "0" will be recorded for any assignment turned in after the deadline. Students are encouraged to re-submit (limited to one time) previously graded case studies with additional student input for potentially additional points. The deadline for re-submittal is two days after return of graded case study from instructor to student.

**PNF Practical Examination:**

See attached handout for assessment guidelines. Practical examinations are administered to test a student's actual understanding of and ability to administer selected treatment modalities. Practical examinations shall be conducted through the observation and grading of the student in a simulated client care situation. A checklist of sequential activities for each of the testable procedures is provided to the student with the course syllabus. Those tasks considered essential for SAFE and EFFECTIVE treatment are annotated individually for each practical examination as crucial tasks which MUST be performed to pass that particular practical examination. Additional, non-crucial tasks have also been outlined which relate to the areas of professionalism, responsibility and confidence - they are equally applicable to ALL practical examinations. Each Practical Examination will be worth a total of 100 points. ALL crucial tasks must be passed for each practical examination in order to complete the coursework. If you fail to complete the sequential crucial task listing you will be stopped by the testing instructor and recorded as a "Fail." Regardless of how professional your treatment may be and how many non-crucial tasks you successfully perform - if you miss ANY of the crucial tasks you still fail that particular practical examination. Students failing a practical examination will be retaught and retested ONE time by Thursday, June 16, 2005.

**Comprehensive Final/Practical Examination:** See attached assessment guidelines.

**Final Grade:**

To receive credit/recognition for this course as part of the SLCC Physical Therapist Assistant Program, the students must earn at least a “C” grade point average for each component of the grade as noted above. The following grade scale will be used for this course:

A = 95-100%	B = 86-88%	C = 77-79%	D = 68-70%
A- = 92-94%	B- = 83-85%	C- = 74-76%	E = 67% and below
B+ = 89-91%	C+ = 80-82%	D+ = 71-73%	

**ADA Statement:** Students with disabilities needing accommodations, must contact the Disability Resource Center Redwood Student Center - Room 008, 957-4659 (voice), 957-4646 (TTY), or 957-4947 (FAX).

**Emergency Evacuation:** In case of emergency, please walk to the nearest exit on the west end of the building and meet outside due west half the distance between the building and 2200 West on the grass. If a student requires assistance in the event of an emergency evacuation, please notify the Instructor by the end of the first class period in order for necessary accommodations to be arranged.

**Auditory beepers and cellular phones** are not allowed during lectures since they interrupt the learning atmosphere.