Course Title – Management of Neurological Disorders

Course Prefix and Number – PTHA 2431

Department – Physical Therapist Assistant

Division – Allied Health

Course Type: (check one)

☐ Academic General Education Course (from ACGM – but not in WCJC Core)
☐ Academic WCJC Core Course
☒ WECM course (This course is a Special Topics or Unique Needs Course: Y or N)

Semester Credit Hours #: Lecture hours #: Lab/other hours #: 4:3:4

Equated Pay hours for course - 5

Course Catalog Description - Advanced course integrating previously learned and new skills/techniques into the comprehensive rehabilitation of selected neurological disorders.

Prerequisites/Co requisites - PTHA 1360 and PTHA 2205. [Offered during the fall semester to second year PTA students.]

Prepared by Kelly Wallace, PT, DPT

Date 6/28/11

Reviewed by department head Betty Salas

Date 6-28-11

Accuracy verified by Division Chair Carol Derkowski

Date 7-25-11

Approved by Dean of Vocational Instruction or Vice President of Instruction

Stephanie Dees

Date 8/2/2011
I. Topical Outline – Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, clinical or other non-lecture instruction):
1. Role of the PTA in neurological rehabilitation
2. Pediatric motor development, reflex behaviors and cerebral palsy
3. Review of pertinent adult neuroanatomy
4. Motor, sensory, and coordination assessment
5. Stroke, TIA, and traumatic brain injury
6. Multiple sclerosis, Parkinson’s disease, and spinal cord injury
7. Theoretical approach to neurological treatment
8. Rehabilitation of the stroke patient
9. PNF, NDT, Swiss Ball, and balance training
10. Alternative movement related therapies
11. Hippotherapy, the prescription wheelchair and physical therapy in the public schools

II. Course Learning Outcomes

<table>
<thead>
<tr>
<th>Course Learning Outcome</th>
<th>Method of Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Describe the principles of physical therapy management for patients with neurological disorders; demonstrate intervention techniques for neurological disorders; and communicate the outcomes of the intervention.</td>
<td>1. 5 Written exams</td>
</tr>
<tr>
<td></td>
<td>2. Comprehensive Final</td>
</tr>
<tr>
<td></td>
<td>3. Project</td>
</tr>
<tr>
<td></td>
<td>4. Professionalism Grade- Attendance, Punctuality, Attitude, &amp; Participation</td>
</tr>
</tbody>
</table>

III. Required Text(s), Optional Text(s) and/or Materials to be Supplied by Student.

IV. Suggested Course Maximum – 16-18

V. List any specific spatial or physical requirements beyond a typical classroom required to teach the course.

Physical Therapist Assistant laboratory and classroom.

VI. Course Requirements/Grading System – Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course

<table>
<thead>
<tr>
<th>GRADE SCALE:</th>
<th>GRADE COMPILATION:</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 - 90 = A</td>
<td>5 Written exams</td>
</tr>
<tr>
<td>89 - 80 = B</td>
<td>Comprehensive Final</td>
</tr>
<tr>
<td>79 - 75 = C</td>
<td>Project</td>
</tr>
<tr>
<td>74 - 60 = D</td>
<td>Professionalism Grade</td>
</tr>
<tr>
<td>BELOW 59 = F</td>
<td></td>
</tr>
</tbody>
</table>

A “C” (75%) or above must be received for successful completion of this course.
VII. Curriculum Checklist

☐ - Academic General Education Course (from ACGM – but not in WCJC Core)
   No additional documentation needed

☐ - Academic WCJC Core Course
   Attach the Core Curriculum Checklist, including the following:
   ● Basic Intellectual Competencies
   ● Perspectives
   ● Exemplary Educational Objectives

☑ - WECM Courses
   If needed, revise the Program SCANS Matrix & Competencies Checklist.