

<b>Philadelphia University</b>	 <b>PHILADELPHIA UNIVERSITY</b> <small>THE WAY TO THE FUTURE</small>	<b>Approval date: 8-10-2025</b>
<b>Faculty: Allied Medical Sciences</b>		
<b>Department: Physical Therapy</b>		<b>Credit hours: 2 + 1 practical</b>
<b>Academic year 2025/2026</b>	<b>Course Syllabus</b>	<b>Bachelor</b>

### Course information

Course#	Course title	Co /Pre-requisite
<b>1120452</b>	<b>Neurological Physical Therapy – II clinical</b>	<b>1120451</b>
<b>Course type</b> <input type="checkbox"/> University Requirement <input type="checkbox"/> Faculty Requirement <input checked="" type="checkbox"/> Major Requirement <input type="checkbox"/> Elective <input type="checkbox"/> Compulsory		<b>Class time</b> Sat, (12:15-2:15) (2:15-4:00) Mon (10:15 – 12:15) (12:15-2:15)
		<b>Room #</b> <b>9225</b>
<b>Course Level*</b>		<b>Hours No.*</b>
6 <sup>th</sup> <input checked="" type="checkbox"/> 7 <sup>th</sup> <input type="checkbox"/> 8 <sup>th</sup> <input type="checkbox"/> 9 <sup>th</sup>		<b>1</b>

### Instructor Information

Name	Office No.	Phone No.	Office Hours	E-mail
<b>Assistant Professor</b> Dr.asmaa atwa	09-15409	2465	-Sat (10:15-11:15)	<a href="mailto:atwaa@philadelphia.edu.jo">atwaa@philadelphia.edu.jo</a>
			Sun (10:15-13:15)	
			Tuesday (10:15-12:15)	

### Course Delivery Method

Course Delivery Method			
<input checked="" type="checkbox"/> Physical	<input type="checkbox"/> Online	<input type="checkbox"/> Blended	
Learning Model			
Percentage	Synchronous	Asynchronous	Physical
			<b>100%</b>

### Course Description

- This course is the lab of second course of neurology physical therapy which provide students with in-depth exploration of the assessment and intervention procedures used with

clients severing from various neurological pathologies seen in adults. In neurological physical therapy II students will apply knowledge of anatomy, physiology, pharmacology, and pathology of the human nervous system to the evaluation and treatment planning for patients with. Pain Pathophysiology, Assessment and Management, Traumatic Spinal Cord Injury Balance Disorders, Cerebellar Dysfunction, Motor Neuron Diseases, Guillain-Barré Syndrome Peripheral Nerve Injury, Peripheral Neuropathy, Dementia and Alzheimer Disease. Cases will be used as the basis for discussion and problem-solving sessions on evaluation, goal setting and planning the course of treatment for the various neurological conditions studied

### Course Learning Outcomes

	Number	Outcomes	Corresponding Program outcomes
<b>Knowledge</b>			
1	K1	Demonstrate entry level knowledge in evaluating and managing patients/clients with various neurological problems.	Kp3
2	K2	Develop an appropriate plan of care in collaboration with all interested parties.	Kp3
3	K3	Participate in patient education activities as they relate to overall functioning, safety and wellness.	Kp3
<b>Skills</b>			
4	S1	Utilize the process of clinical decision-making to help formulate an evaluation, plan of care and prognosis for the patient.	Sp1
<b>Competencies</b>			
5	C1	Properly use and interpret standardized outcomes measures for the patient with neurological involvement	Cp3

### Learning Resources

Course textbook	Fulk G and Chui K (2024) O'Sullivan & Schmitz's Physical Rehabilitation. 8th edition. F.A. Davis Company.
Supporting References	Lazaro RT, Renia-Guerra SG and Quiben MU (2020) Umphred's Neurological Rehabilitation. 7 <sup>th</sup> edition. Elsevier
Supporting websites	<a href="http://Home.neuropt.org">Home (neuropt.org)</a>
Teaching Environment	<input checked="" type="checkbox"/> Classroom <input type="checkbox"/> laboratory <input checked="" type="checkbox"/> Learning platform <input type="checkbox"/> Other

### Meetings and subjects' timetable

Week	Topic	Learning Methods	Learning Material
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<b>Week 1</b> <b>12, 14 October</b>	<b>Course syllabus, Vision, Mission, Aim and LO of the Program</b> <b>-introduction</b>	<b>Practical</b>	<b>Vision, Mission, Aim and ILOs of the Program</b>
<b>Week 2</b> <b>19,21 October</b>	<b>How to Apply Assessment sheet</b>	<b>Practical</b>	<b>Pre-prepared Presentations Text book reference</b>
<b>Week 3</b> <b>26, 28 October</b>	<b>Management application Spinal cord injuries I</b>	<b>Practical Case study</b>	<b>Pre-prepared Presentations Text book reference</b>
<b>Week 4</b> <b>2,4 November</b>	<b>Management application Spinal cord injuries II</b>	<b>Practical Case study</b>	<b>Pre-prepared Presentations Text book reference</b>
<b>Week 5</b> <b>9,11 November</b>	<b>Quiz 1</b> <b>Management application Spinal cord injuries III</b>	<b>Practical Case study</b>	<b>Pre-prepared Presentations Text book reference</b>
<b>Week 6</b> <b>16,18 November</b>	<b>Management application Spinal cord injuries IV</b>	<b>Practical Case study</b>	<b>Pre-prepared Presentations Text book reference</b>
<b>Week 7</b> <b>23,25 November</b>	<b>Management application Spinal cord injuries V</b>	<b>Practical</b>	<b>Pre-prepared Presentations Text book reference</b>
<b>Week 8</b>	<b>Midterm</b>	<b>Exam</b>	<b>Exam</b>
<b>Week 9</b> <b>7,9 December</b>	<b>Case scenario for Ataxic patient</b> <b>Assignment</b>	<b>Practical Case study</b>	<b>Pre-prepared Presentations Text book reference</b>
<b>Week 10</b> <b>14,16 December</b>	<b>Case scenario for ALS, PLS</b> <b>Quiz 2</b>	<b>Practical Case study</b>	<b>Pre-prepared Presentations Text book reference</b>
<b>Week 11</b> <b>21, 23 December</b>	<b>Case scenario for Peripheral Nerve Injury and Peripheral Neuropathy</b>	<b>Practical Case study</b>	<b>Pre-prepared Presentations Text book reference</b>

<b>Week 12</b> <b>28, 30</b> <b>December</b>	<b>Case scenario for Guillain-Barré Syndrome</b>	<b>Practical</b> <b>Case study</b>	<b>Pre-prepared</b> <b>Presentations Text</b> <b>book reference</b>
<b>Week 13</b> <b>4,6 January</b>	<b>Case scenario for Dementia and Alzheimer Disease</b>	<b>Practical</b>	<b>Pre-prepared</b> <b>Presentations Text</b> <b>book reference</b>
<b>Week 14</b> <b>11, 13 January</b>	<b>Apply Assessment and Management pain pathology</b>	<b>Practical</b>	<b>Pre-prepared</b> <b>Presentations Text</b> <b>book reference</b>
<b>Week 15</b> <b>18, 20 January</b>	<b>Apply Assessment and Management pain pathology 2</b>	<b>Practical</b>	<b>Pre-prepared</b> <b>Presentations Text</b> <b>book reference</b>
<b>Week 16</b>	<b>Final exam</b>		

\* Includes: Lecture, flipped Class, project- based learning, problem solving based learning, collaborative learning

### Course Contributing to Learner Skill Development

Using Technology
Students will be introduced to navigating and reading professional websites.
Communication skills
Students will be introduced to communicate with patient/client regarding assessment outcomes and therapeutic program
Application of concepts learned
Students will be introduced to interpretation and integration of finding from multiple sources

### Assessment Methods and Grade Distribution

Assessment Methods	Grade Weight	Assessment Time (Week No.)	Link to Course Outcomes
<b>Mid Term Exam</b>	<b>30%</b>	<b>See course outline</b>	<b>K1, K2, K3</b>
<b>Various Assessments *</b>	<b>30%</b>	<b>See course outline</b>	<b>S1, C1</b>
<b>Final Exam</b>	<b>40%</b>	<b>Will be announced</b>	<b>K1, K2, K3, S1, and C1</b>

<b>Total</b>	<b>100%</b>		
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\* Includes: 2 quizzes (10% each, see course outline for schedule, the highest quiz will be taken) and assignments (20%, see below for description and due date).

## Alignment of Course Outcomes with Learning and Assessment Methods

Number	Learning Outcomes	Learning Method*	Assessment Method**
<b>Knowledge</b>			
<b>K1</b>	Demonstrate entry level knowledge in evaluating and managing patients/clients with various neurological problems.	Practical	Exam and quizzes
<b>K2</b>	Develop an appropriate plan of care in collaboration with all interested parties.	Practical	Exam and quizzes
<b>K3</b>	Participate in patient education activities as they relate to overall functioning, safety and wellness.	Practical	Exam and quizzes
<b>Skills</b>			
<b>S1</b>	Utilize the process of clinical decision-making to help formulate an evaluation, plan of care and prognosis for the patient.	Practical	Exam, quizzes, and assignment
<b>Competencies</b>			
<b>C1</b>	Properly use and interpret standardized outcomes measures for the patient with neurological involvement	Practical	Exam, quizzes, and assignment

### Assignment

The course instructor will provide students with case scenarios about the neurological conditions discussed in the course. Students are requested to answer the questions about cases provided within 5 – 7 days after the instructor posts the cases on the Moodle. Late submission will not be accepted. Cases will be discussed in the classroom or the lab after the submission deadline. **The use of AI sites in anyway to answer the questions will be considered cheating, actions will be taken against violators.**

### Course Policies

Policy	Policy Requirements
<b>Passing Grade</b>	The minimum passing grade for the course is (50%) and the minimum final mark recorded on transcript is (35%).
<b>Missing Exams</b>	<ul style="list-style-type: none"> <li>Missing an exam/ quiz without a valid excuse will result in a zero grade to be assigned to the exam/ quiz.</li> <li>A Student who misses an exam or scheduled assessment, for a legitimate reason, must submit an official written excuse within a week from the exam or assessment due date.</li> </ul>

	<ul style="list-style-type: none"> <li>A student who has an excuse for missing a final exam should submit the excuse to the dean's office within three days of the missed exam date.</li> </ul>
<b>Attendance</b>	The student is not allowed to be absent more than (15%) of the total hours prescribed for the course, which equates to 4.5 hours of lectures days (Sun, Tus). If the student misses more than (15%) of the total hours prescribed for the course without a satisfactory excuse accepted by the dean of the faculty, she/he will be prohibited from taking the final exam and the grade in that course is considered (zero), but if the absence is due to illness or a compulsive excuse accepted by the dean of the college, then withdrawal grade will be recorded.
<b>Academic Honesty</b>	Philadelphia University pays special attention to the issue of academic integrity, and the penalties stipulated in the university's instructions are applied to those who are proven to have committed an act that violates academic integrity, such as: <b>cheating, plagiarism</b> (academic theft), collusion, and violating intellectual property rights.

### Program Learning Outcomes to be assessed in this Course

Number	Learning Outcome	Course Title	Assessment Method	Target Performance level
<b>Kp3</b>	Develop an individualized appropriate plan of care based on information collected and assessment performed for each patient/ client.	Neurological Physical Therapy – II clinical	Exams, Quizzes	75% of students will get 60% or more of the total score
<b>Sp1</b>	Develop critical analysis and decision-making skills and ability to integrate basic and clinical knowledge within an evidence-based framework.	Neurological Physical Therapy – II clinical	Exams, Quizzes, Assignment	75% of students will get 60% or more of the total score
<b>Cp3</b>	CP3: Perform assessments, develop treatment plans, and execute therapeutic interventions effectively.	Neurological Physical Therapy – II clinical	Exams, Quizzes, Assignment	75% of students will get 60% or more of the total score

### Description of Program Learning Outcome Assessment Method

Number	Detailed Description of Assessment
<b>Kp3</b>	Short exams will be done on 1st year by clinical practice

Sp1	Short exams will be done on 1st year by clinical practice
Cp3	Short exams will be done on 1 <sup>st</sup> year by clinical practice

## Guidelines for Assignment

1. Use Times New Roman. The font size for headings is 14 and the font size for text is 12.  
Use 1.5 lines of spacing between sentences in the text.
2. Limit your assignment to a word count of less than 500 words (2 pages).
3. Write your assignment carefully, with more focus on the criteria of the rubrics provided in the course syllabus.
4. Use this plagiarism checker website, <https://www.check-plagiarism.com/>, or Turnitin to check for plagiarism in your assignment. It's free. Take a screen shot of your plagiarism report and submit it along with your assignment. Plagiarism should be less than 20%.
5. Assignments with more than 20% plagiarism will not be accepted and copy from your peer group/uploading assignment in unsupported format will also result in zero grade.
6. On or before due date, submit your assignment via MOODLE.
7. Penalty for late submission: 15% of your marks per day.

**Note: Assignment should be submitted through Moodle only. Other forms of submission will not be accepted for grading. It is your responsibility to sort out any problem arises during assignment submission through Moodle.**

**Good luck**