

Philadelphia University	 PHILADELPHIA UNIVERSITY THE WAY TO THE FUTURE	Approval date:8-10-2025
Faculty: Allied Medical Sciences		Version: 1
Department: Physiotherapy		Credit hours: 2 Lab : 1
Academic year 2025/2026		Bachelor

Course information

Course#	Course title	Pre-requisite	
1120331	Pediatric Physiotherapy	Pre-requisite 1120250	
Course type		Class time	Room #
☐ University Requirement ☐ Faculty Requirement ☐ Major Requirement ☐ Elective ☒ Compulsory		Sat 8:15-9:05 Mon 8:15-9:05	9411

Course Level*	Hours No.*
☒ 6 th ☐ 7 th ☐ 8 th ☐ 9 th	2+1

Instructor Information

Name	Office No.	Phone No.	Office Hours	E-mail
Dr. Mohamed Ali	61-214	2319	Sat 9:15-11:15 Sun 8:15-10:15 Mon 9:15-11:15	mabdullah@philadelphia.edu.jo

Course Delivery Method

Course Delivery Method			
☒ Physical ☐ Online ☐ Blended			
Learning Model			
Precentage	Synchronous	Asynchronous	Physical
			100%

Course Description

This comprehensive course integrates physical therapy (PT), occupational therapy (OT), and developmental principles to cover key aspects of pediatric growth, development, and therapy. Students will explore human development from prenatal stages through adolescence, focusing on physical, cognitive, social, and personality milestones. The course addresses common pediatric conditions such as cerebral palsy, brachial plexus injuries, juvenile rheumatoid arthritis, spina bifida, and musculoskeletal disorders, while also covering reflexive maturation, spasticity control, neural plasticity, and therapies for congenital anomalies, Physical Therapy for Congenital anomalies III (torticollis) . In pediatric occupational therapy, students will learn assessment and intervention strategies for hand function, feeding difficulties, and developmental challenges, alongside the use of orthotics, prosthetics, and interdisciplinary approaches. By the end of the course, students will be equipped with the knowledge and skills needed to assess and treat pediatric patients, fostering optimal developmental outcomes through a collaborative therapy approach

Course Learning Outcomes

	Number	Outcomes	Corresponding Program outcomes
	Knowledge		
1	K1	Explain the normal development for pediatrics and the normal milestone and the features of developmental delay.	KP1
2	K2	Recognize the main disorders for pediatrics and the causes of these disorders	KP1
	Skills		
1	S1	Able to perform tests and assessment tools used to asses pediatrics disorders	SP1
	Competencies		
1	C1	Demonstrate the management pediatrics disorders and design treatment plan for any pediatric patient according to the findings of the assessment based on evidence based practice	CP1

Learning Resources

Course textbook	PEDIATRIC PHYSICAL THERAPY, Jan Stephen Tecklin, PT, MS, FIFTH EDITION,; 2015; ISBN- 978-1-4511-7345-1. Campbell's Physical Therapy for Children, , Robert Palisano, 6th Edition, 9780323797962, ISBN-9780323797962
Supporting References	Physical Therapy for Children. Suzann K. Campbell, PT, PhD, FAPTA, Fourth Edition; 2012; ISBN-978-1-4160-6626-2
Supporting websites	https://journals.lww.com/pedpt/pages/default.aspx
Teaching Environment	☒ Classroom ☐ laboratory ☐ Learning platform ☐ Other

Meetings and subjects timetable

Week	Topic	Learning Methods	Learning Material
1 W (11-13 Oct)	Course syllabus, Vision, Mission, Aim and LO of the Program Physical evaluation	Lecture	Vision, Mission, Aim and LO of the Program Text book Chapter 1
2 W (18-20 Oct)	Physical evaluation	Lecture	Text book Unit 1
3 W (25-27 Oct)	Normal Child Milestone	Lecture	Text book Unit 1
4 W (1-3 Nov)	Growth & development + Quiz 1	Lecture & Problem solving based learning	Text book Unit 1
5 W (8-10 Nov)	Neonatal reflexes	Lecture & Tutorial	Text book Unit 2
6 W (15-17 Nov)	The Infant and Child with Cerebral Palsy	Lecture	Text book Unit 2
7 W (22-24 Nov)	The Infant and Child with Cerebral Palsy	Lecture	Text book Unit 2
8 W (29Nov-10 Dec)	Mid term exam		

9 W (13 -15 Dec)	Spina Bifida	Lecture& Case based learning	Text book Unit 2
10 W (20-22 Dec)	Traumatic Injury to the Central Nervous System: Brain Injury, Spinal Cord Injuries in Pediatrics+ QUIZ 2	Lecture & Tutorial	Text book Unit 2
11 W (27-29 Dec)	Orthosis	Lecture	Text book
12 W (3-5 Jan)	Brachial plexus + Assignment	Lecture & Problem solving based learning	Text book
13 W (10-12 Jan)	Torticollis	Lecture	
14 W (17-29 Jan)	Poliomyelitis & Meningitis	Problem solving based learning	Text book
15 W (24Jan-4 Feb)	Final Exam		

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

☐ Online session

Course Contributing to Learner Skill Development

Using Technology
Learnt evidence based assessment tools in this course will develop their critical thinking and problem solving skills
Communication skills
Develops interpersonal skills while interacting with the simulator
Application of concepts learnt
Learnt concepts in this course will facilitate critical thinking, clinical reasoning and decision making skills while assessing the patients/simulator

Assessment Methods and Grade Distribution

Assessment Methods	Grade Weight	Assessment Time (Week No.)	Link to Course Outcomes
Midterm exam	30%	Refer University calendar	K1 & K2
Term Work* 1) Quiz 1 (10 %) 2) Quiz 2 (10 %) Best of 1 quiz 3) Assignment 1 (20 %)	30%	Quiz 1: 3 Nov 2025 Quiz 2: 22 Dec 2025 Assign 1: 5 Jan 2026	S1, K2 & K1
Final Exam	40%	Refer University calendar	K 1, 2 & C1, 2
Total	100%		

* includes: quiz, in class and out of class assignment, presentations, reports, videotaped assignment, group or individual projects.

Note: Best of 1 quiz marks will be taken for Term work (30%) and Assignment 1 is compulsory.

Alignment of Course Outcomes with Learning and Assessment Methods

Number	Learning Outcomes	Learning Method*	Assessment Method**
Knowledge			
K1	Explain the normal development for pediatrics and the normal milestone and the features of developmental delay.	Lecture & Problem solving based learning	Exam & Quiz
K2	Recognize the main disorders for pediatrics and the causes of these disorders	Lecture & Tutorial	Exam, Quiz, Assign
Skills			
S1	Able to perform tests and assessment tools used to assess pediatrics disorders	Lecture & Problem solving based learning	Assignment
Competencies			
C1	Demonstrate the management pediatrics disorders and design treatment plan for any pediatric patient according to the findings of the assessment based on evidence based practice	Lecture & Problem solving based learning	Exam, Quiz, Assign

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

** includes: quiz, in class and out of class assignment, presentations, reports, videotaped assignment, group or individual projects.

Course Policies

Policy	Policy Requirements
Passing Grade	The minimum pass for the course is (50%) and the minimum final mark is (35%).
Missing Exams	- Missing an exam/term work without a valid excuse will result in a zero grade to be assigned to the exam or term work - 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. - A student who has an excuse for missing a final exam should submit the excuse to the dean within three days of the missed exam date.
Attendance	The student is not allowed to be absent more than (20%) of the total hours prescribed for the course, which equates to Six lecture days. If the student misses more than (20%) of the total hours prescribed for the course without a satisfactory or compulsive excuse accepted by the dean of the faculty, he is prohibited from taking the final exam and his result in that subject is considered (zero), but if the absence is due to illness or a compulsive excuse accepted by the dean of the college that is considered. The article is introduced, it is considered withdrawn from that article, and the provisions of withdrawal shall apply to it.
Academic Honesty	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 cheating, plagiarism (academic theft), collusion, intellectual property rights

Program Learning Outcomes to be assessed in this Course

Number	Learning Outcome	Course Title	Assessment Method	Target Performance level
KP1	Demonstrate profound and contemporary knowledge in basic, clinical, medical, and psychosocial sciences relevant to physical therapy.	Pediatric	Theory Exam & Quiz	75% of students have a minimum score 6 out of 10
SP1	Demonstrate competent entry-level skills and abilities to critically reason in terms of screening, evaluation, re-evaluation, diagnosis, prognosis, and development of a plan of care for clients and patients seeking physical therapy services.	Pediatric	Assignment	75% of students have a minimum score 6 out of 10
CP1	Develop critical analysis and clinical decision-making skills to integrate basic and clinical knowledge within an evidence-based framework.	Pediatric	Theory Exam	75% of students have a minimum score 6 out of 10

Description of Program Learning Outcome Assessment Method

Number	Detailed Description of Assessment
KP1	This intended program learning outcome (IPLO) will be assessed by theory exam (MCQ and Essay questions), and Quiz
SP1	This IPLO will be assessed by using out of class assignment. The following rubrics will be used to evaluate the student's skills.
CP1	This IPLO will be assessed by using theory exam, Quiz

Assignment Question 1

1. Scientific articles related to specific topics in pediatric physical therapy will be distributed, and you will be required as groups to analyze, explain, and clarify the scientific papers in the form of a presentation (ppt file) that will be presented at the end of the semester.

Explanation will be required from all group members, and the mark will be divided into 10 marks for explanation and presentation 10 marks for each student, as each student will be asked separately

Assignment Rubrics

	Criteria	Weak (0-2)	Average (3-5)	Satisfactory (6-8)	Competent (9-10)	Score
1	Identify the main issue/ problem	Unable to identify issue/problem in complex situations. Uncertain and unable to assess adequately.	Able to identify an issue/problem in a complex situation but less able to assess adequately.	Able to identify a problem with clarity but moderately able to assess and justify the situation.	Able to identify issue/ problem in a complex situation and able to assess and justify the situation.	___ x 2
2	Analysis of the issue/problem	Unable to analyze issue/problem in complex situations and uncertain and unable to assess adequately.	Able to analyze issue/ problem in a complex situation but less able to assess adequately.	Able to analyze issue/problem with clarity but moderately able to assess and justify the situation.	Able to analyze issue/problem in a complex situation and able to assess and justify the situation.	___ x 2
3	Information management	Poorly updated the information and lack of correlation	Minimum updated information and needs improvement	Adequate updated information lack of correlation	High correlation of information with current trends and advances	___ x 2
4	Relevance and List of references	No relevance and fails to use the references in a correct way	Sufficient relevance, partially fulfill the required number of references	Good relevance, fulfill and appropriate use of references	Excellent relevance and exceed the required number of references	___ x 1

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 January 5, 2026 for assignment 1, 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. Suggestion: Please avoid last minute submission.