

Northwest Arkansas Community College
Health Professions Division
Physical Therapy Assistant Program

Discipline Code

PHTA

Course Number

2371

Course Title

Pediatrics Lab

Catalog Description

This laboratory course provides the PTA student skills to provide safe, legal, ethical and appropriate use of neuromuscular rehabilitation, assessing equipment needs, and screening assessment procedures, including physiological and therapeutic effects and indications and contraindications for treatment and rehabilitation of the Pediatric patient. It provides video case assessments, field trips for observations, and safe handling techniques to accompany PHTA 2361

Prerequisites

A list of required general education courses for each program is available on the PTA website and must be passed with a grade of C or better for students to be considered eligible for acceptance into the PTA program

Credit Hours

1 credit hour

Contact hours

75 lab contact hours

Load hours

3 load hour

Semesters Offered

Spring

ACTS Equivalent

None

Grade Mode

A-F

Learning Outcomes

1. Demonstrate 2-3 treatment strategies to address each of these clinical signs: abnormal muscle tone, obligatory reflexes, sensory disturbance, weakness, instability, and poor coordination.
2. Given a case scenario, select appropriate treatment strategies to meet goals within POC for neurological pediatric patients.
3. Given a case scenario demonstrates the ability to adjust therapy interventions within the POC.
4. Demonstrate the ability to perform documentation for chosen treatment interventions from pediatric scenarios or videos of pediatric interventions.
5. Demonstrate expertise in the attainment of pediatric vital signs.
6. Demonstrate appropriate interventions for neuromuscular issues of pediatric patients.

SCENERIO TOPICS

Developmental progression of normal pediatric motor behavior Gross and fine motor development, Reflex development and integration Righting and equilibrium skills Mobility/ambulation skills Prematurity
Abnormal development Abnormal muscle tone
Sequence of neuro-developmental postures Cerebral Palsy
Types of CP
Basic principles of treatment. Neuro-developmental techniques Abnormal Gait
Orthotics
Case Presentations Treatment Planning Orthopedic Disorders Surgical Interventions
Chromosomal Disorders Treatment Strategies Traumatic Injuries Pediatric Vital Signs
Cognitive Disorders Emotional Disorders
Sensory-Integrative Therapy Adaptive Equipment
Positions and Toys for Learning and Play Role of the PTA in the Pediatric Setting
Rules and Requirements in the Public School Setting Family Intervention and Home
Program Planning Documentation
Hands-on Intervention

• **General Education Outcomes Supported**

- Students develop higher order thinking skills.
- Students can write clear, coherent, well-organized documents, substantially free of errors.
- Students develop effective oral communication skills.
- Students can employ a variety of sources to locate, evaluate, and use Information