

Northwest Arkansas Community College
Health Professions Division
Physical Therapy Assistant Program

Discipline Code

PHTA

Course Number

2361

Course Title

Pediatrics Lecture

Catalog Description

This course is designed to provide the PTA student with an entry level understanding of the theory and clinical application of various types of exercises, neurophysiological treatment techniques, and equipment needs for the pediatric patient with emphasis on lesions of the central nervous system.

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

15 lecture contact hours

Load hours

1 load hour

Semesters Offered

Spring

ACTS Equivalent

None

Grade Mode

A-F

Learning Outcomes

1. Describe the developmental progression of normal motor behavior in terms of:
 - a. patterns of gross and fine motor development
 - b. reflex development and integration

- c. righting and equilibrium reactions
 - d. sequence of neurodevelopmental postures
 - e. development of motor control skills
 - f. mobility and ambulation skills
2. Explain in written and verbal form the typical sensory motor characteristics of each of the following diagnosis. Identify common goals and treatment approaches for children with:
 - a. Spastic CP h. Autism spectrum disorders
 - b. Athetoid CP i. Duchenne muscular dystrophy
 - c. Ataxic CP j. Developmental Delay/Coordination Dysfunction
 - d. Clumsy Childk. Scoliosis (idiopathic)
 - e. Spina Bifida l. Juvenile Idiopathic Arthritis
 - f. Down Syndrome m. Prader-willi syndrome
 - g. Mental Retardation n. Vater Syndrome
 3. Explore options in the use of equipment and positions for learning and play.
 4. List the areas of the child's family life that are considered when implementing a treatment program.
 5. Explain the effects of muscle tone, obligatory reflexes, sensory disturbance, weakness, instability and poor coordination on movement.
 6. Identify appropriate treatment procedures for commonly treated neuromuscular clinical signs of pediatric patients.
 7. Demonstrate understanding of pediatric vital signs to include appropriate vital sign ranges.
 8. Identify various types of orthotics, their indications, skin integrity concerns, and safety concerns for use in the pediatric population.
- **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