To nurture talents with academic research capabilities in physical therapy.

**GOAL**
- Professional and transdisciplinary capabilities
- Professionalism
- Critical thinking and clinical judgment
- Language and communication
- Innovation and lifelong learning

**ABILITY**
- BIOMETRY
- RESEARCH METHODS IN PHYSICAL THERAPY
- PHYSICAL THERAPY SEMINAR (1) (2) (3)
- Essay

**Required courses**

<table>
<thead>
<tr>
<th>Orthopedic</th>
<th>Cardiopulmonary</th>
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<tbody>
<tr>
<td>• ADVANCED ORTHOPEDIC PHYSICAL THERAPY: CLINICAL TECHNIQUES AND THEORY</td>
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<td>• BASIC BIOMECHANICS OF SPORTS TECHNIQUES</td>
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National Cheng Kung University
Physical Therapy
(Research Group)

GOAL
To nurture interdisciplinary specialists with focus on movement science.

ABILITY
- Professional and transdisciplinary capabilities
- Professional and transdisciplinary capabilities
- Professionalism
- Critical thinking and clinical judgement
- Language and communication
- Innovation and lifelong learning

Required courses
- BIOMETRY
- RESEARCH METHODS IN PHYSICAL THERAPY
- PHYSICAL THERAPY SEMINAR(1) (2) (3)
- Essay

Elective Courses

Orthopedic
- ADVANCED ORTHOPEDIC PHYSICAL THERAPY: CLINICAL TECHNIQUES AND THEORY
- ADVANCED PRACTICUM IN ORTHOPEDIC PHYSICAL THERAPY (1) (2)
- TRAINING PRINCIPLES OF MUSCULOSKELETAL ADAPTATION
- BASIC BIOMECHANICS OF SPORTS TECHNIQUES
- INDEPENDENT STUDY IN ORTHOPAEDIC PHYSICAL THERAPY

Neurological
- ADVANCED NEUROLOGICAL PHYSICAL THERAPY
- ADVANCED PRACTICUM IN NEUROLOGICAL PHYSICAL THERAPY (1) (2)
- APPLIED ELECTROMYOGRAPHY AND MOTOR DYSFUNCTION
- PHYSICAL THERAPY ASSESSMENT FOR GERIATRIC POPULATION
- FALL PREVENTION FOR THE ELDERLY

Pediatric
- ADVANCED PEDIATRIC PHYSICAL THERAPY: CLINICAL TECHNIQUES AND THEORIES
- ADVANCED PEDIATRIC PHYSICAL THERAPY PRACTICUM (1) (2)
- RESEARCH AND CLINICAL PRACTICUM IN PEDIATRIC PHYSICAL THERAPY
- CLINICAL DECISION MAKING IN PEDIATRIC PHYSICAL THERAPY
- SEMINAR FOR PEDIATRIC PHYSICAL THERAPY

Cardiopulmonary
- ADVANCED CARDIOPULMONARY PHYSICAL THERAPY—CLINICAL TECHNIQUE AND EVIDENCE-BASED THEORY
- ADVANCED PRACTICUM IN CARDIOPULMONARY PHYSICAL THERAPY (1) (2)
- RESEARCH METHODOLOGY OF BIOMEDICINE AND EXERCISE PHYSIOLOGY
- INDEPENDENT STUDY IN CARDIOPULMONARY PHYSICAL THERAPY

Interdisciplinary course
- DATA PROGRAMMING
- PAPER-BASED DESIGN OF ASSISTIVE DEVICE
- SMART-LIVING CITY LONG-TERM CARING
- WOMEN’S HEALTH PHYSICAL THERAPY
- CLINICAL IMAGING
- CLINICAL PHARMACOLOGY

Incorporating Service-Learning into the course
- HANDS-ON LEARNING FOR DEVELOPMENT OF ASSISTIVE DEVICE: INTEGRATION OF ASSISTIVE TECHNOLOGY AND SOCIAL CARE