PHYSICAL THERAPY

Sandra G. Reina-Guerra, Chair

Programs Offered
Doctor of Physical Therapy

Program Philosophy
Physical therapists are experts in human movement and function who serve patients/clients at all points along the continuum between health and optimal physical function and disease in a wide variety of circumstances and settings. Physical therapists must be autonomous, highly skilled practitioners to meet the needs of their patients and the expectations of society. These skills are optimally developed in a doctoral level graduate educational program that includes learning experiences in the cognitive, affective and psychomotor domains and emphasizes the following:

Basic Sciences
Basic sciences are the foundation on which the theory and practice of physical therapy is based. Emphasis on basic sciences provides students with a solid framework in which to view established theory and practice of physical therapy in the educational setting, to evaluate new theory and practice as they move to the clinical setting, and to contribute to theory and practice of physical therapy in the future. Additionally, a solid foundation in basic sciences provides students with the tools needed for clinical reasoning based on evidence, and it provides a common language with which to communicate with other clinicians and scientists.

Professional Behavior
Professional behavior is an essential component of professional success and clinical excellence. Students enter physical therapy programs with a wide variety of past experiences. What constitutes appropriate professional behavior for a physical therapist may not be immediately obvious to all students; therefore professional behavior must be consciously included in the curriculum.

Clinical Experiences
Ongoing and progressive clinical exposure promotes accelerated learning and development of clinical competence and facilitates continued student engagement.

Integration of Clinical Relevance throughout the Curriculum
Integration of clinical relevance in all courses promotes efficient acquisition of clinical reasoning skills.

Student-Centered Learning
Student-Centered Learning promotes intellectual rigor, depth, and accountability for each individual student and fosters the development of the independent learner.

Excellence in Teaching
Excellence in teaching practices result in a deep and efficient learning experience for the student, promotes clinical and intellectual excellence, and fosters lifelong learning.

Conclusion
Commitment to a core curricular philosophy that involves an emphasis on basic sciences, professional behavior, clinical relevance in all courses, early and progressive clinical experiences, student centered learning, and excellence in teaching provides the foundation for an efficient and concise educational experience for students. The field of Physical Therapy and its practice is a dynamic and evolving profession. Following a rigorous and balanced 25 month professional program, graduates of Pacific’s Doctor of Physical Therapy program are prepared to meet the needs of their patients and society and to develop their expertise through their commitment to lifelong learning.

Mission
The mission of Pacific’s physical therapy program is to prepare lifelong learners who are skilled, reflective, autonomous practitioners. The program is committed to furthering the body of knowledge of physical therapy and providing leadership within the profession advocating for optimal health, wellness and performance for all members of society.

We accomplish this through a concise program of study emphasizing evidence-based reasoning and creative skills grounded in the basic and clinical sciences. Our academic program is enhanced by a wide variety of innovative clinical experiences and involvement in professional societies.

Pacific’s Doctor of Physical Therapy program is committed to:

1. Producing high caliber, practice-ready graduates evidenced by students’ abilities to:
   • demonstrate safety and competence with current clinical skills;
   • demonstrate clinical reasoning that utilizes both the best available scientific evidence and the patient’s perspective;
   • demonstrate cultural competence;
   • demonstrate attributes consistent with effective leadership and advocacy;
   • demonstrate accurate self-reflection; and
   • demonstrate characteristics consistent with long-long learning.

2. Contributing to the body of knowledge of the profession evidenced by students’ abilities to:
   • engage in scholarly pursuits.

3. Providing leadership in the University and profession evidenced by students’ abilities to:
   • hold leadership positions in the program, School and University, as well as local, national and international professional organizations.

4. Participating in on-going assessment to maintain currency and relevance in teaching and practice evidenced by students’ abilities to:
   • participate in ongoing assessment activities.

5. Engaging in local, regional, national, and international service evidenced by students’ abilities to:
   • engage in service.

6. Fostering diversity and cultural competence evidenced by students’ abilities to:
   • demonstrate cultural competence.

7. Promoting life-long relationships with the Pacific Physical Therapy community evidenced by students’ abilities to:
   • participate in alumni activities.
Admission Requirements
For the most current information regarding the application process and requirements, please visit the web site: www.pacific.edu/dpt (http://www.pacific.edu/dpt).

The Doctor of Physical Therapy Degree
The entry level Doctor of Physical Therapy (DPT) degree is a highly structured 25-month course of study, consisting of six consecutive trimesters. Coursework includes foundational sciences (anatomy, physiology, pathophysiology), clinical sciences, management of professional life and practice, clinical applications, and substantive clinical practical experiences.

A major element of the program is the opportunity for students to be involved in meaningful professional clinical experiences under the supervision of carefully selected practitioners. Opportunities include acute care facilities, skilled nursing facilities and rehabilitation sites in California and throughout the US. All students must successfully complete the clinical internship requirements as an inherent part of the professional program.

Prerequisites to participation in the clinical internships are:
1. Satisfactory completion of all other required courses with a minimum GPA of 3.0 (in accordance with the Standards of Academic Success delineated in the Physical Therapy Student Handbook);
2. Advancement to degree candidacy; and
3. Permission of the department faculty.

To receive the Doctor of Physical Therapy degree, each student must demonstrate clinical competence as well as academic success.

Academic success means:
1. Maintenance of a cumulative GPA of at least 3.0.
2. No grade below a B- in any required course at the 300 level is counted toward the degree. An exception may be made if only one C+ is earned in one term, in which case other requirements must be met subsequently in order for the course to be counted toward the degree. (See the Academic Standards section in the Physical Therapy Student Handbook for more information.)

Clinical competence means:
1. The ability to evaluate individuals with movement dysfunction and identify problems appropriate for physical therapy intervention.
2. The ability to establish appropriate treatment goals and plans, including specific physical therapy procedures or modalities.
3. The ability to effectively apply the various physical therapy procedures and modalities.
4. The ability to relate effectively to clients, their families and other health care providers.

Assessment of these competencies is made by faculty before recommending the awarding of the degree.

Accreditation and Licensing
The Physical Therapy Program is accredited by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association. Successful completion of an accredited program qualifies the graduate to take the licensing examination. Admission to the program is highly competitive and limited to 36 openings each year.

Prerequisites
Prerequisites for admission to the program include the following:
1. Bachelor's degree with a major of student's choice.
2. Successful completion of the listed prerequisite courses.
   a. Prerequisite courses must be completed with a grade of "C" or above.
   b. Courses are taken on a graded basis; pass/fail courses are not acceptable.
   c. Biological science, chemistry and physics courses must all include significant laboratory experiences. Prerequisite science courses must be taken within the last ten years.
   d. Correspondence, on-line or extension coursework is not acceptable without approval from the Admissions Committee or Department Chair. All coursework must have defined objectives, course description, an objective grading system, and meet the content expectations of the prerequisite.
3. At least 50 hours spent in one or more physical therapy practice settings that includes at least 25 hours with inpatients in an acute care hospital setting.
4. GRE test scores must be less than 5 years old at the time of application.
5. A personal interview at the invitation of the selection committee is required.

Prerequisite Coursework

**Biology: Two Options**

- **General Biology with lab or Cell Biology**
  4 semester credits/5-6 quarter credits minimum. The course should include animal biology.

  OR

  - **Two courses in biological sciences (not botany); no lab requirement**
    6 semester credits/9 quarter credits minimum.

**Human Anatomy with lab**
4 semester credits/5-6 quarter credits minimum. Animal physiology is acceptable if human anatomy is not available.

**Human Physiology with lab**
4 semester credits/5-6 quarter credits minimum. Animal physiology is acceptable if human physiology is not available.

  *Note:* A single semester course that combines anatomy and physiology does not meet the anatomy and physiology requirements. However, a two-semester sequence of the combined subjects does meet these requirements.

**General Chemistry with lab**
8 semester credits/12 quarter credits minimum. A standard full-year course.

**General Physics with lab**
8 semester credits/12 quarter credits minimum. A standard full-year course. Calculus level physics is not required but is accepted.

**Abnormal Psychology**
3 semester credits/4 quarter credits minimum.

**Statistics**
3 semester credits/4 quarter credits minimum.
Exercise Physiology
3 semester credits/4 quarter credits minimum. Introduction to the study of human physiological responses and adaptations that results from muscular activity, including demonstration and measurement of basic physiological responses that occur with exercise.

Medical Terminology
1 semester credit/2 quarter credits minimum. A basic course in bioscientific terminology, analyzing the Latin and Greek elements in scientific English.

Doctor of Physical Therapy
Students must complete a minimum of 100 units with a Pacific cumulative grade point average of 3.0 in order to earn the doctor of physical therapy degree.

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<th>First Year</th>
<th>Units</th>
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<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>PTHR 311</td>
<td>Gross Human Anatomy</td>
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<tr>
<td>PTHR 312</td>
<td>Exercise Physiology in Physical Therapy</td>
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<td>PTHR 313</td>
<td>Clinical Kinesiology I</td>
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<tr>
<td>PTHR 314</td>
<td>Introduction to Physical Therapist Practice</td>
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<td>PTHR 316</td>
<td>Physical Therapy Examination and Evaluation</td>
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<td>PTHR 318</td>
<td>Physical Therapy Patient Care Skills</td>
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<td>PTHR 319</td>
<td>Physical Agents</td>
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<td><strong>Term Units</strong></td>
<td>18</td>
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| Spring   |       |
| PTHR 321 | The Nervous System and Behavior | 5 |
| PTHR 323 | Clinical Kinesiology II | 3 |
| PTHR 326 | Therapeutic Exercise: Basic Theory and Application | 4 |
| PTHR 328 | Research: Theory and Application | 2 |
| PTHR 329 | Pathophysiology | 4 |
| **Term Units** | 18 |

| Summer   |       |
| PTHR 332 | Electrotherapy | 2 |
| PTHR 333 | Analysis of Movement Through the Life Span | 3 |
| PTHR 334 | Medical Conditions and Screening for Medical Disease | 4 |
| PTHR 335 | Cardiovascular and Pulmonary Physical Therapy | 4 |
| PTHR 336 | Clinical Experience I | 1 |
| PTHR 338 | Clinical Experience II | 1 |
| PTHR 339 | Motor Learning and Motor Control | 2 |
| PTHR 398 | Research Literature Review | 1 |
| **Term Units** | 18 |

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<th>Second Year</th>
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<tr>
<td><strong>Fall</strong></td>
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<tr>
<td>PTHR 341</td>
<td>Integumentary Physical Therapy</td>
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<tr>
<td>PTHR 342</td>
<td>Administration and Management of Physical Therapy Services I</td>
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<tr>
<td>PTHR 344</td>
<td>Neuromuscular Physical Therapy</td>
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<td>PTHR 345</td>
<td>Advanced Clinical Problems I</td>
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<tr>
<td>PTHR 346</td>
<td>Seminar</td>
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<td>PTHR 347</td>
<td>Musculoskeletal Physical Therapy I</td>
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<tr>
<td>PTHR 351</td>
<td>Prosthetics and Orthotics</td>
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<tr>
<td><strong>Term Units</strong></td>
<td>17</td>
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| Spring   |   |
| PTHR 343 | Geriatric Physical Therapy | 1 |

| PTHR 352 | Administration and Management of Physical Therapy Services II | 2 |
| PTHR 353 | Diagnostic Imaging for Physical Therapists | 2 |
| PTHR 354 | Pediatric Physical Therapy | 1 |
| PTHR 355 | Advanced Clinical Problems II | 1 |
| PTHR 356 | Psychosocial Aspects of Illness and Disability | 2 |
| PTHR 357 | Musculoskeletal Physical Therapy II | 2 |
| PTHR 358 | Clinical Education and Professional Behavior | 1 |
| PTHR 359 | Clinical Internship I | 4 |
| PTHR 381 | Soft Tissue Mobilization and Taping | 1 |
| **Term Units** | 17 |

| Summer   |   |
| PTHR 368 | Clinical Internship II | 6 |
| PTHR 369 | Clinical Internship III | 6 |
| **Term Units** | 12 |

Total Unit: 100

* PTHR 380 and PTHR 393 can be taken in the second year as 1 unit electives.

Physical Therapy Faculty
Sandra Reina-Guerra, Associate Professor, Dept Chair, 2004, BA, 1997; MS, 1999; DPT, University of the Pacific, 2003.

Casey Nesbit, Assistant Professor and Director of Clinical Education, 2013, BS, Virginia Commonwealth University, 1982; MS, University of Oklahoma, 2005; DPT, Marymount University, 2008; DSc, University of Oklahoma, 2011

Todd E. Davenport, Associate Professor, 2007, BS, Willamette University, 1998; DPT, University of Southern California, 2002.

Jim K. Mansoor, Professor, 1993, BA, California State University, Sacramento, 1980; MS, 1989; PhD, University of California, Davis, 1996.

Preeti D. Oza, Assistant Professor, 2013, BSc, 1995, MSc, University of Mumbai, India, 1998; PhD, The University of Iowa, 2007

Cathy Peterson, Professor, 2002, BS, University of Iowa, 1989; MSPT, Des Moines University, 1991; EdD, University of San Francisco, 2002.

Tamara L. Phelan, Professor, 2001, BS, Tennessee State University, 1993; MS, Ola Grimsby Institute, 1997; DMT, Ola Grimsby Institute, Inc., San Diego, CA, 2000; EdD, University of the Pacific, 2008.

Kylie Rowe, Assistant Clinical Professor, 2013, BSc, Sydney University, Australia, 1986; DPT, University of South Dakota, 2014

Physical Therapy Courses

PTHR 311. Gross Human Anatomy. 6 Units.
This course involves a detailed regional analysis of the structure of the human body that includes the lower extremity, upper extremity, head, neck and trunk, and thoracic, abdominal, and pelvic cavities. Functional correlates to the structures are also presented and discussed. The course has a lecture component as well as a cadaver dissection based laboratory/discussion component. Prerequisites: Admission to the DPT program or permission of instructor.
PHTR 312. Exercise Physiology in Physical Therapy. 2 Units.
This course is designed to give the physical therapy student a strong foundational knowledge of the physiological response to exercise under normal and pathological conditions, and the mechanisms responsible for those changes. Prerequisite: Admission into the DPT program or permission of instructor.

PHTR 313. Clinical Kinesiology I. 3 Units.
This course introduces students to the basic principles of kinesiology and biomechanics. It emphasizes the integration of basic science knowledge from multiple disciplines into an applied clinical approach to the study of human movement. Course content focuses on the basis of human movement from cells to systems, as well as normal and pathological movement of the lower extremity. Prerequisite: Admission into the DPT program or permission of instructor.

PHTR 314. Introduction to Physical Therapist Practice. 1 Unit.
This course introduces students to the principles and practice of physical therapy. Students explore the history and the role of the profession of physical therapy in the healthcare system and as a member of the healthcare team. Students begin to develop professional behaviors and communication skills required to function as a member in that role. This course includes an introduction to the various practice areas of Physical Therapy. Prerequisite: Admission into the DPT program or permission of instructor.

PHTR 316. Physical Therapy Examination and Evaluation. 4 Units.
This course provides an overview of basic examination procedures and clinical reasoning approaches used throughout the practice of physical therapy. Course content includes history-taking, vital signs, inspection, palpation, range of motion measurement, manual muscle testing, neurologic testing, selected special tests, and other functional tests. Prerequisite: Admission into the DPT program or permission of instructor.

PHTR 318. Physical Therapy Patient Care Skills. 1 Unit.
This course introduces the students to the basic principles and practice of patient care in physical therapy. Course content includes patient education, bed mobility and related techniques, transfers and body mechanics, gait devices, wheelchairs, documentation, and aseptic bandaging techniques. Prerequisite: Admission into the DPT program or permission of instructor.

PHTR 319. Physical Agents. 1 Unit.
This course enables the student to properly select and safely and competently apply the various physical agents used by physical therapists. Topics covered include physiological responses and indications, contraindications and precautions for each modality. Case studies are used to illustrate the principles of evaluation and treatment planning. Prerequisite: Admission into the DPT program or permission of instructor.

PHTR 321. The Nervous System and Behavior. 5 Units.
This course is designed to give the student an in-depth understanding to the structure and function of the nervous system, how it controls movement and behavior, and how deficits in the system affect movement and behavior. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PHTR 323. Clinical Kinesiology II. 3 Units.
This course is a continuation of PHTR 313 and extends the examination of normal and pathological human movement to the upper extremities, trunk and TMJ regions. Basic biomechanical and kinesiological principles are presented. The relationship of these principles to the clinical environment is stressed. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PHTR 326. Therapeutic Exercise: Basic Theory and Application. 4 Units.
This course provides an introduction to the theory and application of therapeutic exercise in physical therapist practice. Students gain an understanding of the physiological effects of training and de-training on the human body and develop the evaluative skills necessary to prescribe a therapeutic exercise plan. Students learn therapeutic exercise techniques for addressing strength, power, endurance, balance, stability, motor control and neuromuscular re-education in a variety of patient populations. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PHTR 328. Research: Theory and Application. 2 Units.
This course helps the student develop an understanding of the scientific method of inquiry, research design and methodologies, critical analysis of research articles, critical analysis of health science concepts and findings, and development of clinical research projects through application of the basic principles of the scientific method. This course provides the fundamental background to help students understand evidence-based practice in Physical Therapy. Prerequisites: Successful completion of all previous DPT courses or permission of instructor.

PHTR 329. Pathophysiology. 4 Units.
This course involves the detailed analysis of the structure, function and pathology of the organ systems of the body. Functional correlates to physical therapy care are included. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PHTR 332. Electrotherapy. 2 Units.
This course enables the student to properly select and safely and competently apply various therapeutic electrical devices. Topics include physiological responses, indications, contraindications, and precautions for the use of these electrical devices. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PHTR 333. Medical Conditions and Screening for Medical Disease. 4 Units.
This course focuses on the development and refinement of human movement from infancy to older adulthood. Students develop visual observation skills and handling techniques used to facilitate normal movement in various patient populations. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PHTR 334. Analysis of Movement Through the Life Span. 3 Units.
This course involves the detailed analysis of the structure, function and pathology of the organ systems of the body. Functional correlates to physical therapy care are included. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PHTR 335. Cardiovascular and Pulmonary Physical Therapy. 4 Units.
This course addresses physical therapy examination, evaluation of and interventions for the individual with cardiovascular and/or pulmonary disease. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.
PTHR 336. Clinical Experience I. 1 Unit.
This course consists of a clinical experience under the supervision of a licensed, qualified physical therapist(s) for the purpose of practicing basic examination and intervention techniques and professional behaviors learned in the first two terms of the program. Prerequisite: Successful completion of all previous DPT courses or permission of the instructor.

PTHR 338. Clinical Experience II. 1 Unit.
This course consists of a clinical experience under the supervision of a licensed, qualified physical therapist(s) for the purpose of practicing basic examination and intervention techniques and professional behaviors learned in the first year of the program. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PTHR 339. Motor Learning and Motor Control. 2 Units.
This course focuses on current theories of motor learning and motor control. These theories will provide a foundation for clinical diagnosis of movement and postural control disorders as well as assessment and treatment interventions. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PTHR 341. Integumentary Physical Therapy. 1 Unit.
This course serves as an introduction to the integumentary system with a primary focus on wound and burn care. Topics include an in-depth study of the healing process, the affect of disease on the healing process, and integumentary changes over the lifespan. Physical therapy evaluation and treatment options for burns and wounds of vascular, traumatic, and surgical origin are presented as well as precautions and contraindications associated with these interventions. Lab sessions cover wound assessments, debridement, adjunctive interventions, and dressings. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PTHR 342. Administration and Management of Physical Therapy Services I. 2 Units.
This course is designed to provide an introduction to principles of management, with emphasis on the application of these principles in health care facilities and other patient care settings. The application of these principles within various physical therapy practice settings that include the clinical practice of physical therapy, is specifically addressed. As appropriate, discussion of issues that face the profession of physical therapy is included. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PTHR 343. Geriatric Physical Therapy. 1 Unit.
This course focuses on physical therapy management of the geriatric patient population. Students gain an understanding of age related changes in biology, physiology, anatomy and function as well as psychological issues and pathological changes associated with aging. Students integrate this knowledge with previous coursework to identify orthopedic, neurological, cardiopulmonary, cardiovascular and integumentary treatment consideration for geriatric patients. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PTHR 344. Neuromuscular Physical Therapy. 5 Units.
This course focuses on examination, evaluation and intervention for patients and clients with neuromuscular dysfunction. This course emphasizes the establishment of a diagnosis by a physical therapist, identification of a realistic prognosis and selection of various intervention options based on best evidence. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PTHR 345. Advanced Clinical Problems I. 1 Unit.
This course facilitates the integration of knowledge from all prior course work using case studies and actual patient contacts to perform physical therapy evaluation, examination, and intervention. Case studies and patient contacts may include examples of patients/clients with orthopedic, neurological, integumentary, cardiopulmonary, and multiple systems disorders. Students perform all elements of patient care under faculty supervision. Prerequisites: Successful completion of all previous DPT courses or permission of instructor.

PTHR 346. Seminar. 2 Units.
During this course students have opportunities to practice the range of physical therapy problem solving through analysis and discussion of various clinical scenarios. The continuum from evaluation to diagnosis to prognosis to treatment selection is incorporated into each presented discussion with emphasis on clinical decision-making and systems interaction approach to patient management. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PTHR 347. Musculoskeletal Physical Therapy I. 5 Units.
This course integrates and expands the student's understanding of previous physical therapy coursework as it applies to the musculoskeletal setting, and introduces the student to manual therapy techniques. Students apply concepts from previous coursework to the examination, evaluation, and intervention of patient/clients in the musculoskeletal/orthopedic setting with a regional emphasis on the extremities. Additionally students develop basic competencies in manual therapy techniques for the extremities. Prerequisites: Successful completion of all previous DPT courses or permission of instructor.

PTHR 351. Prosthetics and Orthotics. 1 Unit.
This course provides the student with a basic understanding of the prescription, fitting and use of various orthotic and prosthetic devices. Biomechanical properties of normal and pathological gait for the user of lower extremity devices are discussed. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PTHR 352. Administration and Management of Physical Therapy Services II. 2 Units.
This course emphasizes the physical therapy profession and the practice of physical therapy as it is affected by the health care delivery system, professional organizations, State and Federal laws, professional ethics, professional issues and societal trends. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PTHR 353. Diagnostic Imaging for Physical Therapists. 2 Units.
This course covers basic principles and interpretation of diagnostic imaging modalities as they apply to the physical therapist. This course covers medical imaging of musculoskeletal and neuromuscular/neurological systems. More common normal anatomical variants, as well as pathological variants and congenital anomalies are addressed. A discussion of special imaging techniques is also presented with the emphasis on CT scans and Magnetic Resonance Imaging (MRI). The course aims to prepare the students to recognize the importance of integrating imaging into clinical analysis of the patient’s presentation and to incorporate the results of medical imaging studies when making clinical judgments. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PTHR 354. Pediatric Physical Therapy. 1 Unit.
This course provides the student with a foundational understanding of issues and problems that affect the pediatric population addressed by the practice of physical therapy. Students are expected to incorporate knowledge of previous course work used in the evaluation and development of intervention strategies for patients in this population. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.
PTHR 355. Advanced Clinical Problems II. 1 Unit.
This course facilitates the integration of all prior course work that uses case studies and actual patient contacts to perform physical therapy examination, evaluation, and intervention. Case studies and patient contacts may include examples of patients/clients with orthopaedic, neurological, integumentary, cardiopulmonary, and multiple systems disorders. Students perform all elements of patient care under faculty supervision. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PTHR 356. Psychosocial Aspects of Illness and Disability. 2 Units.
This course is a survey of psychological and social factors related to physical illness and disability. Scientific, theoretical and clinical literature are examined with emphasis on understanding the impact of illness and/or disability on the individual, the family, and the health care professional. This course also covers stress management and professional burnout. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PTHR 357. Musculoskeletal Physical Therapy II. 2 Units.
This course is a continuation of PTHR 347. This course integrates and expands the student’s understanding of previous physical therapy coursework as it applies to the musculoskeletal setting, and extends the student's knowledge of manual therapy techniques. Students apply concepts from previous coursework to the examination, evaluation, and intervention of patient/clients in the musculoskeletal/orthopedic setting with a regional emphasis on the spine and TMJ. Additionally students develop basic competencies in manual therapy techniques for the spine and TMJ. Prerequisites: Successful completion of all previous DPT courses or permission of instructor.

PTHR 358. Clinical Education and Professional Behavior. 1 Unit.
This course prepares students for their full-time clinical experiences. Students are oriented to the performance instrument that is used to evaluate their clinical performance. Teaching and learning methods used by clinical instructors are discussed, and students explore options for problem-solving and conflict resolution in the clinical setting. Through lectures, discussions, and group activities, students identify the cognitive, psychomotor, and affective behaviors that lead to success in the clinical environment. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PTHR 359. Clinical Internship I. 4 Units.
This course consists of a full-time clinical experience under the supervision of a licensed physical therapist (designated as “Clinical Instructors” aka “CI”) at specified facilities. Students have the opportunity to perform clinical rotations in a variety of clinical settings. Three Clinical Internships occur between Spring/Summer/Fall terms of the final graduate year. By conclusion of Clinical Internship III, students are required to complete one acute care experience and one outpatient clinical experience. A third experience is assigned according to student interest and clinical availability. Each rotation should be in a physically different clinical setting to provide the student with a well rounded education and to prepare him/her for entry level practice, as recognized by Commission on Accreditation in Physical Therapy Education. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PTHR 368. Clinical Internship II. 6 Units.
This course consists of a full-time clinical experience under the supervision of licensed physical therapists (designated as “Clinical Instructors” aka “CI”) at specified facilities. Students have the opportunity to perform clinical rotations in a variety of clinical settings. Three Clinical Internships occur between Spring/Summer/Fall terms of the final graduate year. By conclusion of Clinical Internship III, students are required to complete on acute care experience and one outpatient clinical experience. A third experience is assigned according to student interest and clinical availability. Each rotation should be in a physically different clinical setting to provide the student with a well rounded education and to prepare him/her for entry level practice, as recognized by Commission on Accreditation in Physical Therapy Education. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PTHR 369. Clinical Internship III. 6 Units.
This course consists of a full-time clinical experience under the supervision of licensed physical therapists (designated as “Clinical Instructors” aka “CI”) at specified facilities. Students have the opportunity to perform clinical rotations in a variety of clinical settings. Three Clinical Internships occur between Spring/Summer/Fall terms of the final graduate year. By conclusion of Clinical Internship III, students are required to complete one acute care experience and one outpatient clinical experience. A third experience is assigned according to student interest and clinic availability. Each rotation should be in a physically different clinical setting to provide the student with a well rounded education and to prepare him/her for entry level practice, as recognized by Commission on Accreditation in Physical Therapy Education. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.

PTHR 380. Medical Spanish for Physical Therapists. 1 Unit.
This elective course teaches the basic Spanish grammar, vocabulary and sentence structure necessary to communicate with patients in a physical therapy and/or medical setting. The course consists primarily of lectures and basic conversational interaction in Spanish. Prerequisites: Successful completion of all previous DPT course work or permission of the instructor.

PTHR 381. Soft Tissue Mobilization and Taping. 1 Unit.
This course teaches both soft tissue mobilization techniques for the various regions and structures of the human body as well as taping and strapping techniques to support and/or facilitate motion. The course consists primarily of labs with demonstration and supervised practice of techniques. Prerequisite: Successful completion of all previous DPT course work or permission of the instructor.

PTHR 391. Graduate Independent Study. 1-3 Units.

PTHR 393. Special Topics. 1-4 Units.

PTHR 393C. Special Topics. 4 Units.

PTHR 398. Research Literature Review. 1 Unit.
This course helps the student apply the basic principles of research methods to the professional literature and to critically analyze new concepts and findings in that literature. The student chooses a research topic in health science, performs a literature search of primary research articles related to their topic, critically analyzes those research articles, and writes a related literature paper summarizing and synthesizing the information gathered from their literature research. Prerequisite: Successful completion of all previous DPT courses or permission of instructor.