



State University of New York
Upstate Medical University

Post-professional Doctor of Physical Therapy (T-DPT) Curriculum

Post-professional Doctor of Physical Therapy Program

Credit hours required for the Post-professional Doctor of Physical Therapy (T-DPT) program range from 16 to 50, depending on your entry-level physical therapist degree and portfolio review. Up to 50% of the required credits may be transferred. If the full number of allowable credit is transferred, the credit requirement for the BS physical therapist applicant is 25 and 15 for the MS physical therapist applicant. An Upstate MPT alumnus is required to take 16 hours, 3 of which may be transferred. All T-DPT students are required to take the 13-credit core which is included in the total credit requirement.

All T-DPT students are required to take the following 13 credit core:

Core Curriculum:

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| PHYT 689 | Evolving Theoretical Foundations of Physical Therapy Practice (1 credit) |
| PHYT 682 | Evidence-Based Practice and Decision Making (3 credits) |
| PHYT 655 | Applied Decision Making – Case Report Methodology (1 credit) |
| PHYT 665 | Differential Diagnosis and Imaging, Part I (3 credits) |
| PHYT 666 | Differential Diagnosis and Imaging, Part II (2 credits) |
| PHYT 692 | Case Analysis Seminar (3 credits taken in 1 credit increments) |

TOTAL: 13 credits

The following courses are offered as elective credit. New courses are frequently added.

Elective Credits

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| PHYT 684 | Rehabilitation Pharmacology (2 credits) |
| PHYT 688 | Movement Science and Motor Learning (2) |
| PHYT 649 | Personal and Professional Marketing (1) |
| PHYT 657 | Health Systems and Reimbursement (2) |
| PHYT 673 | Evidence-based Approach to Exercise Science (2) |
| PHYT 674 | Evidence-based Approach to Exercise Science with Lab (3) |
| PHYT 656 | Management, Leadership and Entrepreneurship Fellowship (variable) |
| PHYT 659 | Teaching Practicum (variable) |
| PHYT 658 | Clinical Fellowship (variable) |
| PHYT 675 | Research Fellowship (variable) |
| PHYT 676 | Adult Learning: Instructional Design for Physical Therapists (1) |
| PHYT 678 | Adult Learning: Instructional Delivery for Physical Therapists (1) |
| PHYT 679 | Adult Learning: Instructional Assessment for Physical Therapists (1) |
| PHYT 629 | Current Issues in Sports Physical Therapy (1-3) |
| PHYT 627 | Current Issues in Acute Care Physical Therapy (1-3) |
| PHYT 623 | Current Issues in Orthopedic Physical Therapy (1-3) |
| PHYT 628 | Current Issues in Physical Therapy Research (1-3) |
| PHYT 622 | Current Issues in Pediatric Physical Therapy (1-3) |
| PHYT 624 | Current Issues in Geriatric Physical Therapy (1-3) |
| PHYT 680 | Current Topics in Physical Therapy (1-3) |
| PHYT 660 | Current Topics in Exercise (1-3) |
| PHYT 683 | Health Promotion/Marketing (3) |
| PHYT 698 | Doctoral Continuation Credit (.5) |
| Consortium courses | |

Core Courses in the T-DPT program

***PHYT 689 Evolving Theoretical Foundations for Physical Therapy Practice (1 credit)**

This course explores current and evolving theory pertinent to physical therapy practice. Motor control, physical stress, pain and inflammation theories are discussed in some detail with examples of their application to practice. The Hypothesis Orientated Clinical Decision Model will be discussed as a framework for clinical decision making. Generalization to specific areas of practice is facilitated through discussion and written examples.

***PHYT 682 Evidence-Based Practice and Decision Making (3 credit hours)**

This course presents the rationale for and skills required to practice Evidence-based Practice (EBP). Most of the course involved practice of the skills required for the use of EBP. These skills include the clinical reasoning process to formulate an answerable clinical question within a decision making framework; efficient and effective library and electronic search skills; analysis of the appropriateness and validity of the literature; and formulation of a clinical decision based on the evidence.

***PHYT 655 Applied Decision Making – Case Report Methodology (1 credit hour)**

This course explores the methodology of producing credible case reports within the framework of the disablement model. In class activities will include critiques of published case reports across the lifespan representing a diversity of diagnoses and techniques for writing effectiveness.

***PHYT 665 Differential Diagnosis and Imaging, Part I (3 credit hours)**

This course will provide the foundations for medical screening and questioning, evaluation of evidence pertaining to diagnosis, pain, and abnormal and normal anatomy as it relates to imaging. Theories and concepts of differential diagnosis of the musculo-skeletal system, cardiopulmonary and endocrine systems will be explored through instructor led discussions of the evidence, readings in textbooks, and student/physical therapist experience and actual cases. Skill labs will be utilized to master skills in examination. Imaging studies and principles will supplement the critical reasoning process of differential diagnosis of the musculo-skeletal, cardiopulmonary, and endocrine systems.

***PHYT 666 Differential Diagnosis and Imaging Part II (2 credit hours)**

This course will provide the theories and concepts of differential diagnosis and imaging as it relates to pediatric and adolescent disorders, immunological disorders, the GI and reproductive systems and neurological systems across the scope of wellness to disease. Emphasis will be on screening for disorders not in the scope of the physical therapists' practice. Clinical decision making rules will be discussed regarding optimal imaging procedures for disorders of these systems. Skill labs will be utilized for specific examination techniques. Student presentations of specific diagnostic cases will occur.

***PHYT 692 Case Analysis Seminar (3 credit hours, taken in 1 credit increments)**

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This course is the capstone project of the DPT degree and is completed over 2 semesters. The student will write a credible case report that demonstrates critical thinking and sound clinical decision making based on evidence-based practice and relevant theory(ies) in physical therapy. Online support is provided throughout the course.

*denotes core courses

Electives

PHYT 622 Current Issues in Pediatric Physical Therapy -- (1-3 credits) This course will discuss current topics in pediatric physical therapy. The format includes guest lectures, student presentations, and faculty led discussions.

PHYT 623 Current Issues in Orthopedic Physical Therapy -- (1-3 credits) This course will discuss current topics in orthopedic physical therapy. The format includes guest lectures, student presentations, and faculty led discussions. This course may be repeated for credit for different selected topics.

PHYT 624 Current Issues in Geriatric Physical Therapy -- (1-3 credits) This course will discuss current issues in geriatric physical therapy. The format includes guest lectures, student presentations, and faculty led discussions. This course may be repeated for credit for different selected topics.

PHYT 627 Current Issues in Acute Care Physical Therapy -- (1-3 credits) This course will discuss current issues in acute care physical therapy. The format includes guest lectures, student presentations, and faculty led discussions. This course may be repeated for credit for different selected topics.

PHYT 628 Current Issues in Physical Therapy Research (1-3 credits) This course will discuss current topics in physical therapy research methods and process. The format includes guest lectures, student presentations, and faculty led discussions. This course may be repeated for credit for different selected topics.

PHYT 629 Current Issues in Sports Physical Therapy -- (1-3 credits) This course will discuss current topics in sports physical therapy. The format includes guest lectures, student presentations, and faculty led discussions. This course may be repeated for credit for different selected topics.

PHYT 649 Personal and Professional Marketing -- (1 credit hour) The purpose of this course is to develop effective strategies to promote oneself and/or a specific skill set or business approach. Two major themes are presented. The first, personal marketing includes the evaluation of your personality, assessment of your personal projection and demeanor, and strategies to enhance your personal projection. The second theme, professional marketing includes assessment of a skill set, the evaluation and exploitation of media mediums, visual presentation of print materials, and how to perform a needs analysis. This course is ideal for the professional who desires to improve their initial influence on people and desires to expand their career into niche or consultative areas

PHYT 656 Management, Leadership and Entrepreneurship (1-3 credits) The purpose of this course is to have a guided and mentored experience related to the business aspects of physical therapy practice.

PHYT 657 Health Systems and Reimbursement (2 credit hours) The health care delivery and reimbursement system in the United States is complex, diverse and intertwined. This course is designed to assist physical therapists in understanding the micro level of their services and the macroeconomics of the health care expenditures in the country. It will examine healthcare from a systems and providers perspective. It will help therapists apprise their practice and organize and navigate the system in which they deliver care and get reimbursed for services.

PHYT 658 Clinical Fellowship -- (1-3 credits) The purpose of this course is to provide a guided and mentored experience in a specific clinical area. The mentor and the student will formulate feasible goals that will demonstrate achievement of the objectives.

PHYT 659 Teaching Practicum -- (1-3 credits) The purpose of this course is to provide a guided and mentored experience in a specific area of academic instruction and assessment. Students will have specific responsibilities for a course under the direction of an academic mentor.

PHYT 673 Evidence-based Approach to Exercise Science -- (2 credit hours) The purpose of this course is to explore the evidence for exercise interventions in chronic disease, health and wellness, and in specific pathologies and to design an effective exercise prescription based on physiological principles. The cardio-pulmonary, skeletal and muscular systems will be included.

PHYT 674 Evidence-based Approach to Exercise Science with Lab -- (3 credit hours) The purpose of this course is to explore the evidence for exercise interventions in chronic disease, health and wellness, and in specific pathologies and to design an effective exercise prescription based on physiological principles. The cardio-pulmonary, skeletal and muscular systems will be included. Laboratory will include the practice and application of selected exercise tests.

PHYT 675 Research Fellowship (variable credit) -- The purpose of this course is to provide a guided and mentored experience in a specific research area. The mentor and the student will formulate feasible goals that will demonstrate achievement of the objectives.

PHYT 676 Adult Learning: Instructional Design for Physical Therapists -- (1 credit hour) This course will introduce adult learning theory to physical therapists and how to develop and plan for an instructional session for adult learners. It will include how to prepare a needs assessment, course objectives, content, and effective use of instructional media/technology emphasizing physical therapy content.

PHYT 678 Adult Learning: Instructional Delivery for Physical Therapists -- (1 credit hour) This course will present the art and science of instruction and teaching to physical therapists. Characteristics of exemplary teaching will be explored. Techniques of active learning and teaching will be demonstrated and practiced. Self and peer evaluation will be performed that includes video-tape instruction.

PHYT 679 Adult Learning: Instructional Assessment for Physical Therapists -- (1 credit hour) This course will present the popular forms of assessment and their relationship with specific learner objectives for physical therapists. Theories of authentic assessment will be introduced. Methods of providing feedback to enhance learning will also be explored.

PHYT 680 Current Topics in Physical Therapy (1-3 credit hours) -- This course covers current professional and practice issues in physical therapy. The practice climate and the needs and interests of students and faculty will determine content. Format includes guest lectures, student presentations and faculty led discussions. This course may be repeated for credit for different selected topics.

PHYT 683 Health Promotion/Marketing (3 credit hours) --This course involves identification and assessment of the health needs of individuals and groups through screening, risk assessment, health promotion and, if necessary referral of patients to other health professionals. The strategies of the consultant in marketing health promotion and risk reduction using evidence-based practice is analyzed. Motivation, public health and psychosocial theories are presented in relation to health promotion.

PHYT 684 Rehabilitation Pharmacology (2 credit hours) -- This course presents the pharmacology and pharmacokinetics of drugs commonly seen in rehabilitation. Emphasis is

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placed on the relevance of medications to the physiotherapeutic management of patients whose disease states affect one or more anatomical systems.

PHYT 688 Movement Science and Motor Learning (2 credit hours) -- Fundamentals of the development and maintenance of motor control and motor learning across the life span are explored in this course. Implications of current theories of motor control and motor learning are emphasized.

PHYT 698 Doctoral Continuation Credit (.5 credit hours) – This course is considered administrative in that it is a continuation of PHYT 692, Case Analysis. The student is actively completing the case report and requires additional time beyond 3 semesters to complete satisfactorily.

Consortium courses may be taken as electives (check web site for updated list)
<http://www.upstate.edu/ccm/>

Examples include:

- Medical Anthropology (3)
- Ethics and the Health Professions (3)
- Medicine in Literature and Film (3)
- Bioethics and the Law (3)
- Stages of Life and Health Care (3)
- Comparative Medical Care Systems: Economic Dimensions (3)
- Culture and Mental Disorder (3)
- Dying and Death in American Literature (3)
- Healing Practices (3)
- Medical Social Psychology (3)
- Reforming the US Health Care System (3)