

PHYSICAL THERAPY

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The Department of Physical Therapy offers a six-year, dual-degree program in clinical health studies and physical therapy. Students receive a bachelor of science (B.S.) degree in clinical health studies after four years of study and a doctor of physical therapy degree after two years of graduate study. The undergraduate component of the six-year program is described in the Ithaca College undergraduate catalog.

The graduate program builds on the undergraduate program's depth and breadth in liberal arts and basic sciences, the students' independent study skills, and their understanding of theory, communication, and critical thinking. The graduate program is approximately 24 months in duration. Students participate in classroom and clinical experiential learning opportunities on campus and in diverse clinical and research facilities to integrate learning and apply knowledge in health care settings. Graduate students participate in 30 weeks of full-time clinical education coursework at health care facilities throughout the United States.

(Students must complete all requirements to be eligible for licensure)

Admission Requirements

To be eligible for admission to the physical therapy doctoral program, undergraduate students must have completed the B.S. Degree in Clinical Health Studies (described in the Ithaca College Undergraduate Catalog), achieved a cumulative GPA of 3.20 or higher, and a GPA of 3.20 or higher for all Professional Year 1 PTBS 50000 level courses.

Grade Requirements

Students in the Doctor of Physical Therapy program must achieve a 3.2 GPA for each semester or term and must earn satisfactory grades in clinical education courses in order to remain in good academic standing and continue in the program. Students in the doctoral program must maintain a minimum cumulative 3.2 GPA to successfully complete the DPT program.

Graduate level courses (500 level or 600 level courses) in the Doctor of Physical Therapy program are awarded letter grades using the following grading scale:

% earned	letter grade
93-100	A
90-92	A-
87-89	B+
83-86	B
80-82	B-
77-79	C+
73-76	C
70-72	C-

<70 F

- No grades of D are awarded for graduate level courses.
- Students in Clinical Education coursework are graded on a Satisfactory (S) /Unsatisfactory (U) basis
- Grades of F or U are not acceptable in any required graduate courses

Incomplete Grade for Graduate Students

A faculty member may assign a grade of "I" (incomplete) to a graduate student whose work on a thesis or other individual study course is not complete at the end of a semester or academic session. Otherwise, incompletes are given only when a student is doing satisfactory work but cannot complete the course for a reason not related to academic performance (i.e., medical, family emergency). Terms for the completion of the course are to be determined by the course instructor and will include the following: specific assignments with criteria for assessment and the due date. If no complete grade is received by the due date, a grade of F or U is recorded on the transcript.

A graduate student who receives a grade of Incomplete (I) must complete the requirements of the course within one year from the date of the last class.

Students must have satisfactorily completed all prior required course work to progress to clinical education courses.

Curricular Requirements

1. Order and Sequence of Completion of Required Courses

Courses must be satisfactorily completed in the order and timeframe specified in the DPT curriculum made available to each student unless permission to deviate from the sequence or time frame has been approved by the department faculty. Students who fail Clinical Education courses are required to successfully repeat the course the next time it is offered before continuing in the curriculum.

Students enrolled in Doctor of Physical Therapy program are required to meet all requirements for graduation within four years of date of graduation from the Clinical Health Studies program.

2. Comprehensive Practical Exam

Students enrolled in the Doctor of Physical Therapy program will demonstrate clinical readiness by successfully passing a comprehensive practical exam prior to Clinical Education I. The examination requires demonstration of professional behaviors, safety, and integration of clinical skills covered up to this point in the curriculum.

3. Student Functional Performance Requirements

Physical therapists must have the physical and mental capacity to safely and effectively evaluate and manage the individuals they serve. A document titled "Essential Functions for Physical Therapy Practice" describes in detail the emotional, communication, cognitive, sensory/motor, and social-behavioral functions a student should be able to perform in order to practice physical therapy. Graduate students in the DPT program will have previously signed the Essential Functions document during the undergraduate component of the program indicating their acknowledgment of and ability to comply with the functions outlined in the document. All

students will be advised to discuss the essential function document with their academic advisor. For all students, the document is also available on the Physical Therapy Department student Sakai site.

Students with documented disability will not be precluded from participating in the program however such students will need to be able to perform all functions with reasonable accommodation.

Policies and Procedures for Academic Performance

The following sections describe those policies and procedures related to academic status and define categories of academic performance. Criteria for College or School academic status (warning, suspension, or dismissal) are specified in the Graduate catalog. The criteria below apply to departmental academic status.

Student Academic Performance Review

Grade point averages will be reviewed upon completion of each academic term (semester, block or clinical education course). The faculty will review the records of students with academic deficiencies. Academic warning, suspension, or dismissal notices will be sent to the student by the Chair of the Department of Physical Therapy. When necessary, these letters will specify criteria for reinstatement of good standing and time limitations. The Dean of the School of Health Sciences and Human performance will be informed of the student's departmental academic status. Notice of departmental academic warning will not be sent to the college Registrar.

Academic status categories

Good Academic Standing

A student is in good academic standing if they have met all academic standards, have no documented concerns regarding professional behavior and are on track to complete program requirements in the scheduled timeframe.

Departmental Academic Warning

A graduate student in the physical therapy major will be placed on academic warning within the Department of Physical Therapy for any of the following reasons:

- receives less than a 3.2 GPA in an academic term, or
- withdraws from a required course, or
- fails to remove a grade of incomplete (I) in the specified time, or
- drops, withdraws, or receives an Unsatisfactory (U) grade from a clinical education course, or
- has a documented pattern of unprofessional behavior, or
- receives a grade of Unsatisfactory (U) in an ICE course

Students on Academic Warning may be allowed to progress in the curriculum only under conditions specified and approved by the faculty. Remediation for removal of academic warning status will be determined by the graduate faculty. Graduate students on academic warning will not be allowed to progress to clinical education courses.

Warning status will be removed when the student's GPA for the following academic block or semester is 3.2 or greater and the cumulative GPA is 3.2 or greater. Warning status due to unprofessional behavior will

be removed when the student completes the following term without additional documented incidences of unprofessional behavior.

Clinical Education

Graduate students on academic warning due to unsatisfactory performance in an integrated clinical experience (ICE) may progress with didactic coursework while completing a remediation and repeat ICE course. Removal of academic warning status will occur upon successful completion of the remediation plan AND successful completion of the repeat ICE course.

Graduate students on academic warning due to unsatisfactory performance in a full-time clinical education course may not progress in the curriculum. Removal of this academic warning status will occur upon successful completion of the following sequence:

- satisfactorily complete Independent Clinical Study (PDPT 62900)
- repeat the clinical education course in which an Unsatisfactory (U) grade was earned the next time it is offered.

Dismissal

A graduate student in the Department of Physical Therapy is subject to dismissal for any of the following reasons:

- receives a grade of F for any course in the graduate years (including Independent Clinical Study), or
- remains on academic warning for any two consecutive full-time academic terms, or
- drops or withdraws from any two clinical education courses, or
- fails to successfully complete departmental remediation as prescribed by the faculty within the allotted time, or
- has repeated documented instances of unprofessional conduct, or
- fails the comprehensive practical examination and a re-take attempt, or
- receives an Unsatisfactory (U) in more than one clinical education course (includes ICE and full-time clinical experiences)

Suspension

A graduate student who is subject to dismissal from the program may, under extenuating circumstances, be granted a suspension from the program by the department faculty.

A student who is suspended:

- a. may not enroll in courses offered within the major.
- b. may apply for a leave of absence from Ithaca College in accordance with College policy.
- c. may be reinstated upon satisfactory completion of conditions specified by the Department of Physical Therapy at the time of suspension

Petition for Waiver of Departmental Academic Policy

Graduate Students who have academic deficiencies and have been placed on warning or who have been dismissed from the program according to policy may petition to waive Departmental academic policy.

Information for filing a petition can be obtained from the Department office. Department faculty review petitions to waive academic policy and make a recommendation to the dean of HSHP, who renders a decision.

Students have the right to appeal an academic decision with the Office of the Provost.

Deferral or Leave of Absence from Graduate Studies

Once students graduate from the Clinical Health Studies program, they have four years to complete the DPT degree. Graduate students typically enter the graduate phase of the program the summer following the awarding of the Clinical Health Studies degree.

Students who choose to defer graduate studies for personal, health or emergency reasons must submit a request in writing (Student Intent to Not Continue/Defer in the Graduate Component of the Program) to the Chair of Graduate Studies with a rationale for taking a leave, and when possible a plan for return. See Graduate Catalog for details regarding Standard Leave of Absence, Medical Leave of Absence, or Emergency Leave of Absence. Students enrolled in coursework at the time the leave is initiated will receive a W (withdrawal) if withdrawal deadline has not passed or an I (Incomplete) if the withdrawal deadline has passed.

Students must notify in writing the Chair of Graduate Studies of their intention to return sixteen weeks prior to their planned return date. The Chair of Graduate Studies will liaison with the student and faculty to determine a plan for return that may include completion of additional coursework and/ or demonstration of knowledge or skills

Housing and Transportation Arrangements for Clinical Education Courses

During the full-time clinical education placements, students are responsible for making housing arrangements and for transportation to and from clinical facilities.

Majors

- Doctor of Physical Therapy (<https://catalog.ithaca.edu/graduate/physical-therapy/doctorate-physical-therapy/>)

PTBS 50000 Documentation for Physical Therapy (NLA)

Introduction to written documentation of physical therapy services using the APTA Patient/Client Management Model and the International Classification of Functioning, Disability and Health Model. Topics include written documentation of initial examinations, progress notes, and discharges; legal guidelines; medical terminology; and electronic health record. Prerequisite: PTBS 40000. (Su,Y)
1 Credit

PTBS 50100 Human Anatomy (NLA)

Human Anatomy is the study of the gross anatomical components of the human body through the use of lecture and cadaver dissection. Emphasis is placed on the musculoskeletal and neurovascular systems found in the extremities, trunk, chest, and abdominal walls, and in the head and neck. Prerequisites: PTBS 31400. (U,Y)
6 Credits

PTBS 50200 Musculoskeletal I (NLA)

Application of the patient/client management model with emphasis on examination, evaluation, and diagnosis of musculoskeletal problems of the extremities. Emphasis is placed on the following skills: patient history, joint integrity and mobility, goniometry, muscle performance testing, flexibility testing, ligament testing, special orthopedic tests, and posture as it relates to the extremities. Prerequisites: PHYS 10100, PHYS 10200, and PTBS 50100. (F,Y)
4 Credits

PTBS 50300 Soft Tissue Examination and Interventions (NLA)

This lecture and laboratory course examines various methods of soft tissue examination and intervention. It is designed to expose the student to a broad spectrum of techniques, while teaching the skills of the most commonly used methods. Some of the techniques are more scientifically evidence based than others. The course will emphasize critical assessment and foster the necessity for research-based analysis. The course is also designed to develop the student's palpation skills, including the examination and evaluation of soft tissue dysfunction. Prerequisites: PTBS 50100. (F,Y)
2 Credits

PTBS 50400 Applied Biomechanics (LA)

Application of mechanical principles to human movement with particular attention to the effect of forces in producing normal movement. Students are required to apply their knowledge of anatomy to understanding individual joint function, as well as the integrated function of several joints during complex activities such as the normal gait. Prerequisites: PHYS 10100, PHYS 10200, and PTBS 50100. (F,Y)
3 Credits

PTBS 50500 Professional Development II (NLA)

Introduction to the Practice Act, roles of paraprofessionals, professional and ethical behavior, and effective communication styles. Instruction in clinical education teams, models of clinical education, and assessment of clinical performance. Prerequisites: PTBS 40100. (F,Y)
Attributes: CP
1 Credit

PTBS 50600 Medical Screening I (NLA)

This course covers the principles and interpretation of diagnostic testing. Students will become competent in understanding radiologic interpretations of X-rays, Computed Tomography, MRI, Nuclear, ultrasound imaging and nerve conduction testing. Radiographic anatomy, densities, views, and structural analysis are taught using digital imaging. Patient cases will be used to compare patho-structural diagnosis with actual symptoms and clinical presentation. Prerequisites: PTBS 31400. (F,Y)
1 Credit

PTBS 50700 Integrated Clinical Experience I (NLA)

This first clinical education experience provides students with an opportunity to work with patients under the supervision of a faculty member. Students will apply knowledge and skills and assume appropriate responsibilities in direct patient care. Pass/Fail only. Prerequisites: PTBS 40000, PTBS 50000. (F,Y,B)
1 Credit

PTBS 50800 Evidence Based Practice I (NLA)

An overview of how the research literature can guide clinical decision making and form the basis for contemporary physical therapist practice. Emphasis on how evidence is used to answer clinical questions that affect the examination process, evaluation procedures, and interventions commonly used by physical therapists. The historical background for evidence based practice will be examined at the start of this course, followed by an analysis of the fundamental components of evidence based practice. Contemporary issues in physical therapist practice will be used to illustrate various issues and topics in this course. Prerequisites: MATH 14400, MATH 14500, MATH 15500, MATH 21600 or PSYC 20700. (F,Y)
3 Credits

PTBS 50900 Integrated Clinical Experience II (NLA)

This second clinical education experience provides students with an opportunity to work with patients under the supervision of a faculty member in a diverse experience. Students will apply knowledge and skills and assume appropriate responsibilities in direct patient care. Pass/Fail only. Prerequisites: PTBS 50700. (S,Y,B)
1 Credit

PTBS 51000 Joint Mobilization (NLA)

Lecture and laboratory course that provides an evidence based manual therapy approach toward evaluation and management of musculoskeletal conditions using joint mobilization. Emphasis will be on enhancing the student's clinical reasoning and manual therapy skills. Prerequisites: PTBS 50200 and PTBS 50300. (S,Y)
2 Credits

PTBS 51002 Human Anatomy

Study of the gross anatomical components of the human body through the use of lecture and cadaver dissection. Emphasis is placed on the musculoskeletal and neurovascular systems found in the extremities, trunk, chest, and abdominal walls, and in the head and neck. Prerequisites: BIOL-20600. (Sum,Y)
6 Credits

PTBS 51100 Therapeutic Exercise (NLA)

A comprehensive analysis of the scientific principles of exercise commonly used in physical therapy practice. Specific exercise programs will be discussed, as well as adaptations of tissue to activity and immobilization. Prerequisites: PTBS 40200, PTBS 50200, and PTBS 50400. (S,Y)
3 Credits

PTBS 51103 Pathology for Physical Therapists (LA)

Examination of the components of general disease and injury processes and specific components of selected diseases likely to be encountered in physical therapy practice. General pathology topics described include cell and tissue injury, inflammation, and the healing and repair process. Specific focus on diseases of the musculoskeletal, cardiovascular, pulmonary, integumentary, and nerve systems. Emphasis is placed on understanding the underlying mechanisms of structural and functional disruptions for adults, with secondary comparisons to pathology across the life span. This course provides background information necessary for performing differential diagnosis and patient treatments. Prerequisites: PTBS 51002; PTBS 31300. (S,Y)
3 Credits

PTBS 51200 Acute Care (NLA)

This course will provide students with the knowledge related to and skills required in the acute care setting. Students will develop competency in acute care evaluations, interventions, and discharge planning. Both didactic and laboratory activities will be used to integrate curricular content to address the complex patient and dynamic environment encountered in acute care. Prerequisites: PTBS 40000. (F,Y)
2 Credits

PTBS 51300 Electrotherapeutic Modalities and Physical Agents (NLA)

The study of the biophysical, physiological, and clinical principles and procedures associated with the application of electromagnetic and acoustic energy in the clinical management of pathological conditions. Prerequisites: PHYS 10100, PHYS 10200, and PTBS 50100. (S,Y)
3 Credits

PTBS 51400 Medical Screening II (NLA)

Builds on the principles introduced in Medical Screening I allowing the students to integrate these principles into an efficient and effective patient examination. A systematic approach to evaluating a patient's history and performing a systems review allows students to identify risk factors, red flags, visceral pain patterns, and constitutional symptoms that warrant a medical referral. Decisions for recommending lab tests or imaging are based on specific medical conditions and current appropriateness criteria. Prerequisites: PTBS 50600. (S,Y)
2 Credits

PTBS 51500 Health Care Systems (NLA)

This course familiarizes students with the basic constructs of the U.S. health care system, with emphasis on how system components influence patient referrals, delivery of care, reimbursement, and outcomes. Prerequisites: PTBS 40100. (S,B,Y)
1 Credit

PTBS 52102 Musculoskeletal Examination and Evaluation (NLA)

Introduction to the patient/client management model with emphasis on examination, evaluation, and diagnosis of musculoskeletal problems of the extremities. Emphasis is placed on the following skills: patient history, range of motion, goniometry, muscle performance testing, flexibility testing, ligament testing, special orthopedic tests, and posture as it relates to the extremities. Prerequisites: PHYS 10100; PHYS 10200; PTBS 51002. (F,Y)
3 Credits

PTBS 52203 Soft Tissue Palpation and Examination (NLA)

This lecture and laboratory course examines various methods of soft tissue examination and intervention. It covers a broad spectrum of techniques while teaching the skills of the most commonly used methods. Some of the techniques are more scientifically evidence-based than others. The course emphasizes critical assessment and the need for research-based analysis. It develops palpation skills, including the examination and evaluation of soft tissue dysfunction. Prerequisite: PTBS 51002. Corequisites: PTBS 52102; PTBS 53702. (F,Y).
2 Credits

PTBS 52304 Peripheral Joint Mobilization (NLA)

Lecture and laboratory course preparing students to incorporate passive mobility testing into the patient/client examination. Students also learn to use passive joint mobilization interventions for patient/client with peripheral joint pathologies. Prerequisites: PTBS 52102; PTBS 52203. (S,Y)
1.5 Credits

PTBS 52405 Therapeutic Exercise (NLA)

A comprehensive analysis of the scientific principles of exercise commonly used in physical therapy practice. Specific exercise programs address muscle performance, endurance, mobility, and balance impairments. Adaptations of tissue on activity and immobilization are also discussed. Prerequisites: PTBS 31300; PTBS 52102; PTBS 53702 (S,Y)

3 Credits

PTBS 53101 Electrotherapeutic Modalities and Physical Agents (NLA)

The study of the biophysical, physiological, and clinical principles and procedures associated with the application of electromagnetic and acoustic energy in the prevention and treatment of pathological conditions. Prerequisites: PHYS 10100; PHYS 10200; PTBS 51002. (S,Y)

4 Credits

PTBS 53702 Applied Biomechanics (LA)

Application of mechanical principles to human movement. Particular attention to the effect of forces in producing normal movement. Students are required to apply their knowledge of anatomy to understanding individual joint function, as well as the integrated function of several joints during complex activities such as the normal gait. Prerequisites: PHYS 10100; PHYS 10200; PTBS 51002. (F,Y)

Attributes: NS

3 Credits

PTBS 54001 Professional Development I (NLA)

Description of physical therapy as a profession in the United States, including history, professional organization, roles of the physical therapist and related personnel, and scope of practice. Prerequisites: Senior standing. (F,Y)

.5 Credit

PTBS 54102 Preclinical Conference I (NLA)

Series of sessions to explain clinical education policies and procedures and choose sites for clinical affiliations. Prerequisites: Senior standing; clinical health studies major. Pass/fail only. (Su,Y)

0 Credit

PTBS 54203 Professional Development II (NLA)

Introduction to the Practice Act, Code of Ethics, roles of paraprofessionals, professional and ethical behavior, and effective communication styles. Instruction in clinical education teams, models of clinical education, and assessment of clinical performance. Corequisite: PTBS 55501. Prerequisites: PTBS 54001. (S,Y)

Attributes: CP

1 Credit

PTBS 55501 Teaching and Learning in the Clinical Setting (NLA)

Preparation to teach in a variety of settings and formats for academic, clinical, and professional purposes. Content is applicable to community presentations, group in-services, and presentations, as well as patient/family and other individualized teaching. Includes teaching/learning theories and styles, impact of age, culture, environment, and motivation, domains of learning, instructional objectives, teaching methods, and instructional technology. Evaluation, feedback, and outcome measurements are included. (S,Y)

1 Credit

PTBS 55602 Introduction to Health Care Systems (NLA)

Constructs of the U.S. health care system, with emphasis on how parts of the system influence patient referrals, delivery of care, and reimbursement. The course focuses on the health care system's influence on rehabilitation services with emphasis on allied health. Prerequisites: PTBS 54001. (S,Y)

1 Credit

PTBS 56800 Research II: Evidence-Based Practice II

Focuses on how clinicians can evaluate, integrate, and apply research to guide clinical decision making in contemporary physical therapist practice. This course builds on and applies principles introduced to PTBS 56701 (Research I: Evidence-Based Practice I), and helps students become proficient in accessing and critically reviewing the literature to answer clinical questions. Students will evaluate and categorize specific articles that illustrate various types and levels of evidence. Students explore specific clinical questions, access the scientific literature using computer databases, and plan interventions based on strength of the available evidence. This course will prepare the student to enter the Research Seminar series in their final professional year. Prerequisites: PTBS 56701.

2 Credits

PTBS 59000-59025 Selected Topics in Physical Therapy (NLA)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. Pre-requisites: As appropriate to topics. Pass/fail only. (IRR)

0-3 Credits

PTBS 59800 Honors Seminar in Physical Therapy (NLA)

For students in the honors program. Research proposals completed in PTBS 59900 are presented and critiqued. In addition, examples of good and poor published journal articles are discussed and analyzed. Prerequisites: PTBS 59900. Note: All undergraduates taking this course for graduate credit must satisfy the conditions listed under 'Course Levels.' (S,Y)

1 Credit

PTBS 59900 Honors Project (NLA)

For the exceptional student who wishes to pursue graduate research. Results will be summarized in a research proposal, which is a preliminary step toward a graduate thesis. Prerequisites: PTBS 41000; permission of department chair. Note: All undergraduates taking this course for graduate credit must satisfy the conditions listed under 'Course Levels.' (F,Y)

3 Credits

PDPT 51004 Pharmacology (NLA)

The course analyzes the action of basic drugs, including such variables as how the drug is administered, absorbed, distributed, stored, metabolized, and excreted. Evaluation of how drugs are selected for specific pathology is also included. Special emphasis is placed on drugs that are commonly used to treat disorders seen in patients receiving physical therapy. (S,Y)

2 Credits

PDPT 52506 Spine Examination and Rehabilitation (NLA)

Examination of and interventions for patients with neuromusculoskeletal conditions affecting the spine. Students learn objective measurements of spinal posture, mobility, and function to differentiate among various spinal conditions. Selected interventions are presented and practiced. (F,Y)

3 Credits

PDPT 54300 Preclinical Conference II (NLA)

Offers the student the opportunity to prepare for the second clinical internship. This includes site selection, cardiopulmonary resuscitation procedures, updating immunizations, developing a student profile, and establishing contact with the assigned clinical site. In addition, the student will develop a personal plan and objectives for the affiliation experience. Pass/fail only. (F,Y)

0 Credit

PDPT 55900 Psychosocial Aspects of Patient Care (NLA)

A review of psychological and social issues affecting patients and therapists in the clinic, home, and community environments. Addresses special topics relevant to assessing a patient's and a clinician's response to illness. These topics include terminal illness, sexuality and illness or disability, psychosomatic illness, and selected psychiatric disorders. (F,Y)
2 Credits

PDPT 56000 Clinical Administration in Physical Therapy (NLA)

This course focuses on the organizational structure, management, program development, facilities, staffing, informational systems, reimbursement, marketing, and fiscal planning related to the practice of physical therapy. Students apply these concepts and knowledge to the development and management of a 'niche' physical therapy practice or service. (F, Y)
4 Credits

PDPT 56800 Research II: Evidence-Based Practice in Physical Therapy (NLA)

Focus is on how research is used to guide clinical decision making and form the basis for contemporary physical therapist practice. Specifically, this course will build upon principles introduced in PTBS 56701 and acquaint students with how to access and critically review the literature to answer clinical questions. Students will evaluate and categorize specific articles that illustrate various types and levels of evidence. Students will also explore specific clinical questions, access the scientific literature using computer databases, and plan interventions based on the strength of the available evidence. Finally, this course will prepare the student to enter PDPT 66900 in their final professional year so they will be able to examine the existing literature and identify areas for future research. (S,Y)
2 Credits

PDPT 57000 Clinical Neuroanatomy (NLA)

Comprehensive study of the structural features and connectivity of the human central nervous system. Emphasis will be placed on understanding the clinical relationships of the morphological basis of neurological dysfunction. Exposes students to medical imaging techniques in order to provide a basis to begin neurological differential diagnosis for physical therapy. (F,Y)
3 Credits

PDPT 57100 Clinical Neurophysiology (NLA)

Clinical neurophysiology addresses the structure and function of nerve cells, somatosensory systems, motor control systems, and the autonomic nervous system. The emphasis of the course is on the development of an understanding of the processes associated with normal functioning of the nervous system in the control of posture movement. Selected examples of nervous system disorders are integrated into each major content area in order to illustrate how an understanding of normal function is important to the understanding of pathology in the nervous system. (F,Y)
3 Credits

PDPT 57200 Motor Development Across the Lifespan (NLA)

Normal motor developmental processes from the embryo to old age. Review of research in the theories of motor control, motor learning, and motor development. Emphasis is placed on the relationship of these theories to growth and development through the lifespan. Topics include the development of musculoskeletal, cardiopulmonary, sensory, and nervous system changes. Other lifespan issues include the development of posture, locomotion, fine motor, speech and language, cognition, fitness, cultural and diversity issues, and functional and developmental examination tools. (S,Y)
3 Credits

PDPT 57300 Fundamentals of the Neurological Examination (NLA)

Prepares students to perform a complete physical therapy neurological examination of patients with peripheral and central nervous system disorders. Students will be directed to perform specific tests that examine cognition, sensation, perception, tone, motor function, balance, gait, and function. The measurement properties of these clinical tests will be discussed. Specific emphasis will be directed to the electrophysiologic examination of peripheral disorders. (S,Y)
3 Credits

PDPT 59000 Clinical Education I (NLA)

The initial assignment to one of a variety of health care facilities for eight weeks. The student is assigned to specified clinical tasks under the close supervision of the clinical instructor. Professional conduct and appearance, basic musculoskeletal assessment and treatment, and application of physical agents are emphasized. Synthesis of all previous professional coursework is exhibited by designing a basic examination and intervention plan based on the results of the subjective and objective examination and substantiation of the intervention rationale. Prerequisites: PTBS 54102; PTBS 54203; PTBS 53101; PTBS 52304; PTBS 56701; PTBS 52405; PTBS 51103. Satisfactory/unsatisfactory only. (Sum,Y)
4 Credits

PDPT 59102 Clinical Education II (NLA)

The second placement for the student in a clinical environment where he or she has the close supervision of a clinical instructor. This experience provides an opportunity to practice and develop skills in analyzing motor performance, in examination and intervention of joint and soft tissue pathologies and spinal dysfunction. The student should also exhibit an understanding of the administration of a physical therapy department. The student continues to synthesize all previous professional coursework. Prerequisites: PDPT 59000. Satisfactory/unsatisfactory only. (S,Y)
4 Credits

PDPT 59500-59534 Clinical Grand Rounds (NLA)

Provides students with the opportunity to participate in physical therapy services for a variety of patients/clients with neuromusculoskeletal pathologies seen in the Ithaca College Occupational and Physical Therapy Clinic. Students participate in the physical therapy patient/client management model under the direct supervision of a licensed physical therapist.
1 Credit

PDPT 59900-59925 Selected Topics in Physical Therapy (NLA)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. (IRR)
0-3 Credits

PDPT 60100 Wellness and Prevention (NLA)

Explores the role of physical therapy in wellness and prevention of common health concerns of individuals, groups and communities. Develops the awareness and expertise of the physical therapist in functioning in this capacity. Reinforces the physiological rationale behind designing comprehensive wellness programs. Emphasis on identifying risks, performing culturally appropriate health and wellness interventions, general concepts of program development and assessment, and integration for teaching/learning and motivation strategies. Also explores national agenda regarding health promotion and prevention of chronic disease. Prerequisites: Completion of BS in Clinical Health Studies. (F,Y,B)
1 Credit

PDPT 60200 Neuroscience (NLA)

This course covers an in-depth study of the nervous system structure and function important to the practice of physical therapy. Topics include the physical and electrical properties of cells in the nervous system, sensory-motor integration, motor and postural control, clinical syndromes, plasticity and nervous system development. Prerequisites: Completion of BS in Clinical Health Studies. (B,F,Y)

0-5 Credits

PDPT 60300 Musculoskeletal II (NLA)

Examination of and interventions for patients with neuromusculoskeletal conditions affecting the spine. Students learn objective measurements of spinal posture, mobility, and function to differentiate among various spinal conditions. Selected interventions are presented and practiced.

Prerequisites: Completion of BS in Clinical Health Studies. (F,Y)

3 Credits

PDPT 60400 Neuromuscular Foundations (NLA)

Prepares students to perform a complete physical therapy neurological examination of patients with peripheral and central nervous system disorders. Students will be directed to perform specific tests that examine cognition, sensation, perception, muscle tone, motor function, balance, gait, and function. The measurement properties of these clinical tests and balance and gait outcome measures will be discussed. Neuroplasticity and motor control theories will be presented.

Prerequisites: Completion of BS in Clinical Health Studies. (F,Y)

0-3 Credits

PDPT 60500 Pharmacology (NLA)

The course analyzes the action of basic drugs, including such variables as how the drug is administered, absorbed, distributed, stored, metabolized, and excreted. Evaluation of how drugs are selected for specific pathology is also included. Special emphasis is placed on drugs that are commonly used to treat disorders seen in patients receiving physical therapy. Prerequisites: Completion of BS in Clinical Health Studies. (F,Y)

2 Credits

PDPT 60600 Integrated Clinical Experience III (NLA)

This clinical education experience provides students with an opportunity to work with patients under the supervision of a faculty member with increasing independence in a diverse experience. Students will apply knowledge and skills in order to assume greater responsibilities in direct patient care. Satisfactory/Unsatisfactory only. Prerequisites: Completion of BS in Clinical Health Studies. (F,S,Y)

1 Credit

PDPT 60601 Integrated Clinical Experience IV (NLA)

This clinical education experience provides students with an opportunity to work with patients under the supervision of a faculty member with increasing independence in a diverse experience. Students will build apply knowledge and skills in order to assume greater responsibilities in direct patient care. Satisfactory/Unsatisfactory only. (F,IRR,S,Y)

0 Credit

PDPT 60700 Pathokinesiology (NLA)

This course presents specific pathological conditions (primarily organized according to anatomical regions) that result in disorders of posture, movement and locomotion. The presentation and analyses of these pathological conditions include neurological, neuromotor, and musculoskeletal aspects with respect to the causes of dysfunction. Laboratory exercises require the student to use movement analysis equipment to demonstrate pathomechanics and abnormal movement patterns. The course builds upon the foundations of movement analysis examined during Applied Biomechanics PTBS-50400. Prerequisites: Completion of BS in Clinical Health Studies. (F,Y)

3 Credits

PDPT 60800 Evidence-Based Practice II (NLA)

Focus is on how research is used to guide clinical decision-making and form the basis for contemporary physical therapist practice. Specifically, this course will build upon principles introduced in PTBS 50800 and acquaint students with how to access and critically review the literature to answer clinical questions. Students will evaluate and categorize specific articles that illustrate various types and levels of evidence. Students will also explore specific clinical questions, access the scientific literature using computer databases, and plan interventions based on the strength of the available evidence. Finally, this course will prepare the student to enter PDPT 61600 in their final professional year so they will be able to examine the existing literature and identify areas for future research. Prerequisites: Completion of BS in Clinical Health Studies. (S,Y)

2 Credits

PDPT 60900 Motor Development across the Lifespan (NLA)

Typical motor development processes from the embryo to old age. Review of research and theory; evaluation of gross motor and fine motor development; and the influence of perception, visualization and auditory, kinesthetic, and cognitive input on the acquisition of motor skills. Lifespan issues will be addressed. Prerequisites: Completion of BS in Clinical Health Studies. (S,Y)

3 Credits

PDPT 61000 Cardiovascular and Pulmonary Testing and Management (NLA)

A review of normal cardiovascular and pulmonary physiology, and the response of these systems to exercise and disease. Cardiovascular and pulmonary pathologies include a review of the medical and surgical management of specific diseases. Study and practice of evaluation procedures are performed in the laboratory to determine the status of cardiovascular and pulmonary function. Clinical management procedures used by all members of the rehabilitation team are reviewed, with emphasis on specific physical therapy procedures for people with cardiovascular and pulmonary problems. Prerequisites: Completion of BS in Clinical Health Studies. (S,Y)

3 Credits

PDPT 61100 Neurological Rehabilitation I (NLA)

This course focuses on the body structure/function impairments, activity limitations, and participation restrictions experienced by individuals with neurologic health conditions resulting from acquired disorders of the central nervous system. Students will apply a systematic clinical decision-making approach to the physical therapy examination of these individuals. By integrating data from the patient's medical history with reports from interdisciplinary team members, and findings from standardized examinations and functional task analysis, a movement system diagnosis and a realistic prognosis will be established. Design and progression of the physical therapy plan of care will be considered, guided by current concepts of neuroplasticity and neurotherapeutics. Prerequisites: Completion of BS in Clinical Health Studies. (S,Y)
4 Credits

PDPT 61200 Clinical Education I (NLA)

The first full time placement for the student in a clinical environment where he or she has the close supervision of a clinical instructor. This experience provides an opportunity to practice and develop skills in analyzing motor performance, in examination and intervention of joint and soft tissue pathologies and spinal dysfunction. The student should also exhibit an understanding of the administration of a physical therapy department. The student continues to synthesize all previous professional coursework. Satisfactory/Unsatisfactory only. Prerequisites: Successful completion of all prior required coursework. (U,Y)
4 Credits

PDPT 61300 Clinical Orthopedics (NLA)

Reviews the medical and conservative management of common orthopedic disorders. Initially the course focuses on review of basic principles of orthopedic diagnosis and pathology, followed by medical and conservative management of common orthopedic disorders of the extremities. An expectation is that students will integrate information gained from prior coursework. Prerequisites: Successful completion of all prior required coursework. (B,F,Y)
3 Credits

PDPT 61400 Clinical Administration in Physical Therapy (NLA)

In this course students learn how to start and manage a physical therapy practice. The course focuses on organizational structure, management, program development, facilities, staffing, information systems, reimbursement, marketing, and fiscal planning. Prerequisites: Successful completion of all prior required coursework. (F,Y)
3 Credits

PDPT 61500 Neurological Rehabilitation II (NLA)

This course builds on concepts introduced in PDPT 61100, with a focus on the body structure/function impairments, activity limitations, and participation restrictions experienced by individuals with neurologic health conditions resulting from specific acquired disorders of the central and peripheral nervous system. Students will gain continued exposure to the application of a systematic clinical decision-making approach to the physical therapy examination process, integrating data from the patient's medical history with reports from interdisciplinary team members and findings from standardized examinations and functional task analysis to arrive at a movement system diagnosis and establish a realistic prognosis. Design and progression of the physical therapy plan of care will be considered, guided by current concepts of neuroplasticity and neurotherapeutics as it applies to the health conditions that are considered. Prerequisites: Successful completion of all prior required coursework. (F,Y)
3 Credits

PDPT 61600 Case Report I (NLA)

This course is focused on case report methodology to model evidence based practice. Students will identify a relevant case during Clinical Education I and use the information to base their project on. Online lectures will focus on how to prepare a manuscript, abstract, and poster presentation. Students will have frequent individual and small group meetings with a project mentor throughout the semester. Prerequisites: PDPT 61200. (F,Y)
2 Credits

PDPT 61700 Pediatric Rehabilitation (NLA)

This course focuses on the etiology, pathology, diagnosis, medical, surgical, and physical therapy management of pediatric disorders of the neuromuscular system (inherited and acquired disorders of development and movement). Using the International Classification of Functioning and Disability (ICF) framework, students will apply systematic clinical decision-making that integrates all aspects of patient-client management for infants, toddlers, children, teens, and young adults aged birth to 21 years. Prerequisites: Successful completion of all prior required coursework. (F,Y)
3 Credits

PDPT 61800 Orthotics/Prosthetics (NLA)

An in-depth review of the principles and practices of orthotics and prosthetics as applied by a physical therapist. This includes a survey of the basic biomechanical principles used in applying orthotic and prosthetic appliances as well as principles of patient application, training and management of complications. Prerequisites: Successful completion of all prior required coursework. (F,Y)
2 Credits

PDPT 61900 Clinical Education II (NLA)

This is a student's second full time placement in a clinical environment, giving the opportunity to apply more advanced theories and treatment procedures to a selected patient caseload with guidance from a clinical instructor. Satisfactory/Unsatisfactory only. Prerequisites: Successful completion of all prior required coursework. (S,Y)
5 Credits

PDPT 62000 Psychosocial Aspects of Patient Care (NLA)

A review of psychological and social issues affecting patients and therapists in the clinic, home, and community. Addresses special topics relevant to assessing a patient's and a clinician's response to illness. These topics include health, culture, sexuality, bias, disability, abuse, psychosomatic illness, pain perception, grief and loss, and selected psychiatric disorders. Students will consider psychological, social, cultural and ethical issues of clients/patients and physical therapists' interactions in current practice settings. Emphasis will be placed on health, illness, and disability. Various theoretical frameworks will be introduced. Students will participate in large and small group discussions and have opportunities to reflect on their own values, beliefs, and biases as well as their past health-related experiences. The aim of the course is to integrate the psychosocial and physical aspects of patient care and yield reflective and effective health care providers. Prerequisites: Successful completion of all prior required coursework. (S,Y)
3 Credits

PDPT 62100 Advanced Clinical Management (NLA)

This course focuses on the clinical reasoning process to manage complex cases and the interaction with other healthcare specialists. Students will be required to integrate concepts from previous coursework as they consider reasoning strategies for cases with multisystem disease. This case-based course will require students to work through diagnosis, prognosis, and interventions, including treatment progression and consideration of the need for referral of multi-disciplinary management. Prerequisites: Successful completion of all prior required coursework. (S,Y)
2 Credits

PDPT 62200 Case Report II (NLA)

This course is a continuation of Case Report I that is focused on case report methodology to model evidence based practice. Frequent meetings with a project mentor occurs throughout the semester while the student writes their final paper and prepares for presentation. Prerequisites: Successful completion of all prior required coursework. (S,Y)
1 Credit

PDPT 62300 Professional Development III (NLA)

A continuation of the professional development series, this course advances the students' understanding and application of their role as a professional in their relationship with patients/clients, in the practice setting and in our society. Analyses of clinical situations facilitate student exploration of ethical decision-making, patient advocacy, cultural diversity, leadership, and application of professionalism. Strategies for adaptability and time management in the clinical setting are presented. This class prepares students to enter the workforce, begin clinical practice, and continue on a path of lifelong learning. Prerequisites: Successful completion of all prior required coursework. (S,Y)
1 Credit

PDPT 62400 Clinical Education III (NLA)

This is a student's final full time placement in a clinical environment. This course is the capstone course in the clinical education series. At the conclusion of the 12-week placement, the student is expected to demonstrate entry level physical therapy practice. Satisfactory/Unsatisfactory only. Prerequisites: Successful completion of all prior required coursework. (U,Y)
6 Credits

PDPT 62607 Clinical Orthopedics

Reviews the medical and conservative management of common orthopedic disorders. Initially the course focuses on review of basic principles of orthopedic diagnosis and pathology, followed by medical and conservative management of common orthopedic disorders of the extremities. An expectation is that students will integrate information gained from prior coursework. (F,Y)
2 Credits

PDPT 62900 Independent Clinical Study (NLA)

This course is designed to meet the individual needs of a student, which are identified during a clinical education course. Content of this course will address specific objectives identified by the student, the clinical instructor(s), and the director of clinical education. Prerequisites: All previous coursework; faculty permission required. (F,S,Y)
1-3 Credits

PDPT 63800 Pathokinesiology (NLA)

Presents specific pathological conditions (primarily organized according to anatomical regions) that result in disorders of posture, movement, and locomotion. The presentations and analyses of these pathokinesiological conditions include neurological, neuromotor, and musculoskeletal aspects with respect to the causes of dysfunction. Laboratory exercises require the student to use movement analysis equipment to demonstrate pathomechanics and abnormal movement patterns. (F,Y)
3 Credits

PDPT 63900 Orthotics/Prosthetics (NLA)

An in-depth review of the principles and practices of orthotics and prosthetics as applied by a physical therapist. This includes a survey of the basic biomechanical principles used in applying orthotic and prosthetic appliances, as well as principles of patient application, training, and management of complications. (S,Y)
2 Credits

PDPT 64500 Pre-Clinical Conference III (NLA)

A series of sessions to explain the policies and procedures for graduate clinical education and choose sites for graduate clinical affiliations. Pass/fail only. (F,Y)
0 Credit

PDPT 64600 Professional Development III

A continuation of the professional development series, this course advances the students' understanding and application of their role as a professional in their relationship with patients/clients, in the practice setting and in our society. Prepares students for participation in clinical education coursework and clinical practice. Strategies for adaptability and time management in the clinical setting are presented. Analyses of clinical situations facilitate student exploration of ethical decision making, patient advocacy, cultural diversity, leadership, and application of professionalism. (S,Y)
1.5 Credits

PDPT 66900 Research III: Research Seminar (NLA)

Research III is a hour course designed to provide a mentored experience in evidence based practice to entry level physical therapy students. Working in small groups with a mentor, students use evidence based practice principles to make clinical decisions associated with diagnosis, therapy and prognosis. At the completion of each case students are expected to determine optimal diagnostic and intervention procedures for each case based on current evidence. (F,Y)
3 Credits

PDPT 67400 Neurological Rehabilitation I (NLA)

This course focuses on the body structure / function impairments, activity limitations, and participation restrictions experienced by individuals with neurologic health conditions resulting from acquired disorders of the central nervous system. Students will apply a systematic clinical decision-making approach to the physical therapy examination of these individuals, integrating data from the patient's medical history with reports from interdisciplinary team members and findings from standardized examinations and functional tasks analysis to arrive at a movement system diagnosis and establish a realistic prognosis. Design and progression of the physical therapy plan of care will be considered, guided by current concepts of neuroplasticity and neurotherapeutics. (F,Y)
3 Credits

PDPT 67500 Neurological Rehabilitation II (NLA)

This course builds on concepts introduced in PDPT 67400, with a focus on the body structure / function impairments, activity limitations, and participation restrictions experienced by individuals with neurological health conditions resulting from specific acquired disorders of the central and peripheral nervous system. Students will gain continued exposure to the application of a systematic clinical decision-making approach to the physical therapy examination process, integrating data from the patient's medical history with reports from interdisciplinary team members and findings from standardized examinations and functional task analysis to arrive at a movement system diagnosis and establish a realistic prognosis. Design and progression of the physical therapy plan of care will be considered, guided by current concepts of neuroplasticity and neurotherapeutics as it applies to the health conditions that are considered. (F,Y)

3 Credits

PDPT 67600 Pediatric Rehabilitation (NLA)

This course focuses on the etiology, pathology, diagnosis, medical, surgical, and physical therapy management of pediatric disorders of the neuromuscular system. Identification of body structure/ function impairments, activity limitations, and participation restrictions experienced by children with inherited and acquired disorders of development and movement is emphasized. Students will apply a systematic clinical decision-making model that integrates review of records, data collection, hypothesis formulation and development of an appropriate pediatric plan of care. (F,Y)

2.5 Credits

PDPT 68100 Cardiac Testing and Management (NLA)

A review of normal cardiac physiology and the response of this system to exercise and disease. Cardiac pathologies are discussed, including a review of the medical and surgical management of specific disease groups. Evaluation procedures utilized to determine the status of the cardiac system's performance are studied and performed in the laboratory. Clinical management procedures used by all members of the rehabilitation team are reviewed with emphasis on specific physical therapy procedures. (S,Y)

2 Credits

PDPT 68260 Medical Screening and Disease

General overview of common diseases and surgical interventions in the practice of general medicine and surgery that may be seen in physical therapist practice. Presentations by clinical practitioners will emphasize medical and surgical management procedures. With these topics serving as a foundation for medical screening of major organ systems within existing physical therapy examination techniques will enable the student to differentiate between patients and clients who are appropriate for physical therapy intervention, need closer monitoring and those who should be referred to other medical practitioners. Complex cases with multisystem diseases will be discussed. (S,Y)

4 Credits

PDPT 68300 Pulmonary Testing and Management (NLA)

Review of normal pulmonary physiology and the response of the pulmonary system to exercise and disease. Pulmonary pathologies are discussed, including a review of the medical and surgical management of specific disease groups. Evaluation procedures utilized to determine the status of the pulmonary system's performance are studied and performed in the laboratory. Clinical management procedures used by all members of the rehabilitation team are reviewed, with emphasis on specific physical therapy procedures utilized in treating patients with pulmonary disease. (S,Y)

2 Credits

PDPT 68450 Advanced Clinical Reasoning

This course challenges students to explore a novel or controversial physical therapy management issue. The topics are chosen by the faculty and approached from three perspectives including 1) theory development, 2) evidence based medicine, and 3) management issues. Each project must include the following theory, evidence, and application to patients. Students are expected to gain practical experience implementing changes in care delivery. (S,Y)

2 Credits

PDPT 68500 Wellness and Prevention

The role of physical therapy in wellness and prevention for individuals, groups, and communities. The physiological rationale behind designing comprehensive wellness programs is presented. Topics include the development and implementation of general fitness and prevention programs for a variety of clients, including those with chronic disabilities. (F,Y)

1 Credit

PDPT 68700 Pre-Clinical Conference IV

The course provides for a formal series of sessions during which students will be provided pertinent information and instruction regarding Clinical Education IV-V and IV/V experiences. (S/Y)

0 Credit

PDPT 69000-69010 Selected Topics in Physical Therapy (NLA)

Clinical and professional topics of current interest to faculty and students. This course may be repeated for credit for different selected topics. (IRR)

0-3 Credits

PDPT 69200 Clinical Education III (NLA)

A student's third placement in a clinical environment, giving the opportunity to apply more advanced theories and treatment procedures to a selected patient caseload with guidance from a clinical instructor. Eight weeks in length. Prerequisites: Satisfactory completion of all prior required coursework. Satisfactory/unsatisfactory only. (S,Y)

4 Credits

PDPT 69300 Clinical Education IV

This is the fourth course in the clinical education series. The student is expected to begin to assume the role of the primary physical therapist under the direct supervision of a licensed physical therapist. The student begins to manage all aspects of patient care. One six-week session. Student must register for this course and PDPT 69400 or register for PDPT 69500. Satisfactory/unsatisfactory only. (Sum,Y)

3 Credits

PDPT 69400 Clinical Education V

This is the fifth and final course in the clinical education series. The student is expected to begin to assume the role of the primary therapist under the direct supervision of a licensed physical therapist. The student achieves competency in managing all aspects of patient care. One six-week session. Student must register for this course and PDPT 69300 or register for PDPT 69500. Satisfactory/unsatisfactory only. (Sum,Y)

3 Credits

PDPT 69500 Clinical Education IV/V

Clinical Education IV/V is one of the final options for placement of the student in a clinical environment. This course is the capstone course in the clinical education series. At the conclusion of the 12-week placement, the student is expected to demonstrate entry level physical therapy practice. One 12-week session. Students must register for this course or PDPT 69300 and PDPT 69400. Satisfactory/unsatisfactory only. (Sum,Y)

6 Credits

PDPT 69900 Independent Study (NLA)

This course, which requires a faculty sponsor, allows students to complete an in-depth study or project in an area of their interest related to physical therapy. Includes a final presentation. Prerequisites: Permission of faculty sponsor, academic adviser, graduate chair, and dean. May be repeated for a total of (F,S,Y)

1-3 Credits