

Curriculum Organization

Year 1

Year 1, Fall Semester		
Course	Title	Credit Hours
IPE 5000	Patient Centered Cases I	1.00
PT 5000	Psychosocial and Ethnical Aspects of Health Care	3.00
PT 5030	Anatomy I	4.00
PT 5050	Kinesiology I	3.00
PT 5070	Patient Care Skills I	3.00
PT 5100	Physiology and Pathophysiology	5.00
PT 5130	Research Methodology in Health Care	3.00
Semester Total:		22.00
Year 1, Spring Semester		
Course	Title	Credit Hours
IPE 5100	Patient Centered Cases II	1.00
PT 5015	Professional and Practice Issues in Physical Therapy	3.00
PT 5035	Anatomy II	4.00
PT 5055	Kinesiology II	5.00
PT 5075	Physical Agents and Procedures	3.00
PT 5140	Evidence Based Practice: Application of Research to Clinical Practice	3.00
PT 5141	Professional Development and Reflective Practice	1.00
PT 5230	Screening for Medical Referral I	2.00
PT 7010	Clinical Education I (2 weeks)	1.00
PT 8100	Introduction to Pharmacology for Physical Therapists	1.00
Semester Total:		24.00
Year 1, Summer Semester		
Course	Title	Credit Hours
PT 5120	Human Life Sequence	2.00
PT 5215	Motor Control and Motor Learning	2.00
PT 5233	Foundations of Patient Examination	2.00
PT 5235	Screening for Medical Referral II	2.00
PT 8110	Structural Imaging: Musculoskeletal	2.00
PT 8400	Capstone Project	1.00
Semester Total:		11.00

Year 2

Year 2, Fall Semester		
Course	Title	Credit Hours
IPE 6000	Team Training in Healthcare I	1.00
PT 5205	Examination and Management of Musculoskeletal Dysfunction I	5.00
PT 6008	Neuroscience	5.00
PT 6030	Physiological Basis of Therapeutic Exercise	4.00
PT 6040	Evaluation and Treatment of Problems Cardiopulmonary System	4.00
PT 6060	Prosthetics, Orthotics, and Gait	3.00
PT 6630	Structural Imaging II: Neurological	1.00
Semester Total:		23.00
Year 2, Spring Semester		
Course	Title	Credit Hours
IPE 6100	Team Training in Healthcare II	1.00
PT 5142	Professional Development and Clinical Education	1.00
PT 5210	Examination and Management of Musculoskeletal Dysfunction II	5.00
PT 5220	Principles of Teaching, Learning, and Communication	2.00
PT 6010	Examination and Management of Neurological Disorders I	5.00
PT 6045	Differential Diagnosis of the Integumentary System/Wound Care	2.00
PT 6075	Prevention and Management of Problems in the Pediatric Population	4.00
Semester Total:		20.00
Year 2, Summer Semester		
Course	Title	Credit Hours
PT 7020	Clinical Education II	6.00
Semester Total:		6.00

Year 3

Year 3, Fall Semester		
Course	Title	Credit Hours
PT 5143	Professional Development and Clinical Practice	1.00
PT 6015	Examination and Management of Neurological Disorders II	5.00
PT 6050	Principles of Administration and Management	3.00
PT 6020	Electrotherapeutic Principles	2.00
PT 6065	Patient Care Skills II	2.00
PT 6070	Prevention and Management of Problems in the Aging Adult	3.00
PT 6090	Differential Diagnosis and Management of the Complex Patient	3.00
PT 8401	Capstone Project II	1.00
Semester Total:		20.00
Year 3, Spring Semester		
Course	Title	Credit Hours
PT 7030	Clinical Education III	6.00
Semester Total:		6.00
Year 3, Summer Semester		
Course	Title	Credit Hours
PT 7040	Clinical Education IV	6.00
PT 8402	Capstone Project III	3.00
PT 8500	Selected Topics	2.00
PT 8600	Community Service	2.00
Semester Total:		13.00
Program Total:		145.00

Additional Course(s)

Students who have not met a minimal level of proficiency in the clinical education experience may be required to enroll in an independent study to fulfill course remediation requirements prior to assignment to a repeated clinical experience.

Doctor of Physical Therapy (Post-Professional)

Curriculum Design

The DPT program for students with Post-Professional Standing is designed for the adult learner. Adult learners are students who have life roles other than student, which make demands on their time and resources, such as being a parent and/or an employee. The design uses contemporary educational and instructional learning theories that emphasize outcome behaviors as the desired goal, rather than time on task. Individualized instructional strategies that include mediated learning as well as classroom instruction are also used. The program features several non-traditional instructional strategies.

Advanced students may choose to take web-based courses or enroll in the same on-campus classes offered to the first professional degree students. The instructional modality that is most evident in the curriculum for advanced students is web-based distance learning. Students are prepared to understand the characteristics of the adult learner role and are shown how to acquire adequate computer literacy during an introductory course entitled "Strategies for Successful Learning" (PT 6600). They are expected to be online and engaged in learning activities from the first day of the first semester. The DPT web site is designed to provide the learner with all of the direction that is needed to be successful in each course, including learning objectives, content, learning activities, evaluation methods, and grading criteria.

A mandatory on-campus orientation is required prior to starting the first course of the program. The PT 6600 Strategies for Successful Learning course is completed at that time. One or more on-campus seminar weekends are held each semester, depending on the individual courses enrolled in during that semester. At least one or more weekend seminar classes are held for each course. Weekend classes may be held one or two days, anytime starting Friday afternoon through Saturday. Seminar sessions may include lecture, testing, skills training, student presentations, and student group work. The seminar periods are conducted as problem solving sessions where the learner has the opportunity to demonstrate knowledge and skill(s) that have been acquired through self-directed study and obtain feedback and stimulation from instructors and fellow students.

Cooperative learning is emphasized throughout the program. Students may be assigned to groups to work on applying their collective problem solving skills toward the resolution of case-based scenarios. The online courses require student participation in asynchronous discussions. Students are required to submit original comments based on relevant research as part of evidence based practice. In addition, they are expected to respond to other comments from students and the instructor(s).

Admissions Policies and Procedures

Admission to the DPT (Post-Professional) program is conducted through the Admissions Office. Students may apply for the fall, spring, or summer semesters.

Non-Discrimination Policy

In accordance with all applicable federal, state and local laws, Western University of Health Sciences (WesternU) is committed to ensuring a campus community free from unlawful discrimination. Accordingly, Western prohibits unlawful discrimination on the basis of race, color, national or ethnic origin, religion or religious creed, sex or gender (including gender identity or expression), marital status, sexual orientation, disability, age, genetic information, military or veteran status, or any other characteristic protected under applicable law, in the administration of its programs or activities. WesternU also prohibits unlawful harassment, including Sexual Harassment. Lastly, WesternU is committed to providing equal access to and equal opportunities to all members of its campus community in accordance with all applicable laws.

This non-discrimination policy applies to applicants, students and alumni. Additional nondiscrimination information can be found in the Nondiscrimination, Anti-Harassment and Anti-Retaliation Policy, located in the University Catalog.

Application Requirements

Current admission and application requirements for the DPT (Post-Professional) program, including prerequisite coursework requirements, can be located on the [Prospective Student website](#).

Students who do not meet the admissions requirements may petition the Admissions Committee for special consideration.

The Western University of Health Sciences DPT (Post-Professional) program is committed to admitting individuals with a disability provided they meet all of the qualifications listed above as well as the technical guidelines listed in the previous section with reasonable accommodations.

Application Procedures and Deadlines

Students are advised to submit application materials as early as possible prior to the semester in which they wish to begin their program of studies. Students are allowed to take up to two classes prior to enrolling, but must have their admission packet to the admissions office before the end of their second class in order for those classes to count towards their degree.

To request an informational brochure and/or an application, contact the Admissions Office at:

Office of Admissions
Western University of Health Sciences
309 E. 2nd Street
Pomona, CA 91766-1854
(909) 469-5335

<http://prospective.westernu.edu/physical-therapy-a/apply-21/>

In addition to submitting an application, the applicant must submit a non-refundable application fee of \$60.00 and official transcripts from all undergraduate and graduate institutions attended.

Conditional Admission

Conditional admission may be granted to DPT (Post-Professional) applicants with the stipulation that the student achieve and maintain a 2.80 GPA in the program.

Readmission

Students with Post-Professional Standing who have not been enrolled for more than one calendar year must submit a new application form and fee, unless other arrangements have been made at the time of withdrawal/leave from the program. The application will be assessed according to the current admissions policies, and students will be required to fulfill all program requirements in place at the time of readmission.

Portfolio Review

Upon acceptance to the program, as part of the application process, students will be asked to submit a portfolio of past education and experiences related to physical therapy. This information will be reviewed by the faculty advisor and may be analyzed by a credentialing agency. There is a separate fee if the credentialing agency is used to analyze the portfolio. Decisions regarding required courses will be based on review of the portfolio. Some courses may be waived for prior credit if sufficient evidence is provided to demonstrate fulfillment of competencies and program outcomes in specified areas.

Waivers for Prior Credit

The maximum number of graduate units that may be waived from past education related to physical therapy is 133 units. This portfolio information will be reviewed by the faculty advisor and may be analyzed by a credentialing agency. There is a separate fee if a credentialing service is used to analyze the portfolio. A minimum of 12 units must be completed with coursework offered by the DPT (Post-Professional) program at WesternU.

Continuing Education and Non-Degree Students

An applicant holding a bachelor's or master's degree in Physical Therapy and a license to practice in the United States, who does not wish to pursue the DPT (Post-Professional) degree at Western University of Health Sciences at the present time, but who wishes to engage in graduate study for personal development, continuing education, or other professional development needs, may consider enrollment as a non-degree student. A limited number of applicants may enroll in any DPT course as non-degree students, depending on space availability. Application must be made directly to the Chair of the Department of Physical Therapy Education. The department registration procedures must be followed.

Admission as a non-degree student does not assure acceptance as a degree candidate, should the student at a later time wish to change enrollment status. A maximum of two courses may be taken while in non-degree status. Should the student wish to change enrollment status, the usual admissions procedures must be followed. No more than two courses taken as a non-degree student at Western University of Health Sciences can be applied towards the DPT (Post-Professional) degree. A minimum of 12 units, including the two prior courses (if applicable) must be completed after acceptance to the program to meet degree requirements. All criteria for admissions to the DPT (Post-Professional) program and the admitted student's degree requirements are based on the catalog in place at the time of application and acceptance to the program. Questions about changing from non-degree to degree status should be directed to the Chair, Department of Physical Therapy Education.

International Students

International students and any other applicants who are not U.S. citizens and who are living in the U.S. should be prepared to provide proof of legal U.S. residency at the time of interview. Proof of legal U.S. residency is required prior to any offer of acceptance. For more detailed information, please visit our web page for [International Students](#).

not by the Registrar. A GWT (Post-Secondary) student who is not a U.S. citizen and who is living in the U.S. should be prepared to provide proof of legal U.S. residency at the time of interview. Proof of legal U.S. residency is required prior to any offer of acceptance. For more detailed information, please visit our web page for [International Students](#).

Continuing Students
All continuing GWT (Post-Secondary) students are required to register by the registration deadline specified by the University Registrar. Registration dates are posted at [http://www.western.edu/registrar/registration](#). Failure to register by the deadline may result in administrative withdrawal. All students registering after the posted deadline will be assessed a \$200.00 per business day late fee.

Full tuition and fees and all other debts must be paid in full or at the posted deadline each academic year. Withdrawal is subject to the satisfactory completion of all academic requirements and payment of all outstanding debts to the University. The receipt of a final transcript from all colleges/universities attended and a physical examination with documentation of required immunizations (if applicable) prior to registration are additional requirements for incoming students.

All full-time students at Western University of Health Sciences are required to have active health insurance while enrolled. All students who do not have health insurance are required to purchase health insurance from the University's insurance provider. The University's insurance provider is not responsible for the cost of the health insurance. The University's insurance provider is not responsible for the cost of the health insurance. The University's insurance provider is not responsible for the cost of the health insurance.

Student Initiated Changes in Enrollment Status

Course Drop/Withdrawal
Students may voluntarily drop a class by working with the Program Chair and completing the necessary paperwork. Course drops are processed as follows:

Drop of Course Completed (Based on Course Catalog)	Drop of Course Completed (Based on Course Catalog)
Drop of Course Completed (Based on Course Catalog)	Drop of Course Completed (Based on Course Catalog)
Drop of Course Completed (Based on Course Catalog)	Drop of Course Completed (Based on Course Catalog)
Drop of Course Completed (Based on Course Catalog)	Drop of Course Completed (Based on Course Catalog)

Registration

New Students

New students admitted with Post-Professional Standing are notified by mail of their admission status. Classes may fill quickly; therefore, the student is encouraged to register early. The registration dates are set by the Registrar. A DPT (Post-Professional) student, who is registering for the first time, whether they are accepted or non-degree seeking, will register through the DPT program Department Manager. Course information and schedule of classes are available from the Department Manager.

Continuing Students

All continuing DPT (Post-Professional) students are required to register by the registration deadlines specified by the University Registrar. Registration dates are posted at: <http://www.westernu.edu/registrar/registrar-online-information/>. Failure to register by the deadline may be grounds for administrative withdrawal. All students registering after the posted deadline will be assessed a \$30.00 per business day late fee.

Full tuition and fees and all prior debts must be paid in full on or by posted deadlines each academic year. Matriculation is subject to the satisfactory completion of all academic requirements and payment of all outstanding debts to the University. The receipt of a final transcript(s) from all colleges/universities attended and a physical examination with documentation of required immunizations (if applicable) prior to registration are additional requirements for incoming students.

All full-time students at Western University of Health Sciences are required to have active health insurance while enrolled. All students are automatically assessed half of the entire year's insurance premium until they submit proof of coverage that meets the University's requirements; however, students are not automatically enrolled in the plan until the deadline to submit proof of coverage has passed for your program/year.

Student Initiated Changes in Enrollment Status

Course Drop/Withdrawal

Students may voluntarily drop a class by working with the Program Chair and completing the necessary paperwork. Course drops are processed as follows:

0-20% of Course Completed (Based on Course Start/End Dates)	Course is removed from student's registration and will not appear on student's academic transcript.
20-99% of Course Completed (Based on Course Start/End Dates)	Course is assigned a grade of 'W' to indicate the student withdrew from the course. 'W' grades will appear on the student's academic transcript, but will not be included in the student's GPA calculation.
100% of Course Completed (Based on Course Start/End Dates)	Course is assigned the grade earned.

Leave of Absence

A student may request a Leave of Absence (LOA) with the occurrence of a medical emergency or illness, personal issues, financial hardship, or military service. Students must be in good academic standing to be eligible for a Leave of Absence. For additional information on requesting a Leave of Absence, please see 'Student Initiated Changes in Enrollment Status' in the University Catalog, General Academic Policies and Procedures section.

Withdrawal from University/Academic Program

Matriculation at the University is a privilege granted in consideration of specified levels of performance and of maintaining the established standards of scholarship and personal and professional conduct. The University reserves the right to require withdrawal at any time it deems necessary to safeguard its standards of scholarship, conduct and orderly operation. The student concedes this right by act of matriculation. For additional information on Withdrawing from the DPT (Post-Professional) program, please see 'Student Initiated Changes in Enrollment Status' in the University Catalog, General Academic Policies and Procedures section.

Full-time/Part-Time Status

All DPT students enrolled in at least 6.00 units are considered full-time students. DPT students enrolled in 4.50 to 5.99 units are considered three-quarters-time students. DPT students enrolled in 3.00 to 4.50 units are considered part-time students.

Residency Requirements

A minimum of 12 units must be completed with course work offered by the DPT program at Western University of Health Sciences.

Time Limits

The DPT (Post-Professional) program may be completed within 2 ½ years of part-time study. All requirements for the degree must be fulfilled within 3 years, 3 months from the date of acceptance to the program. Students who are unable to complete the program within the maximum time allotted may be subject to Administrative Withdrawal. Extensions of this time limit may be granted through petition to the faculty and Department Chair.

Tuition and Fees

By action of the Board of Trustees, DPT (Post-Professional) tuition and fees for the 2015-2016 academic year (subject to change) are as follows:

\$425.00	Per Credit Hour Tuition
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Other Fees and Expenses:

\$30.00	Registration Late Fee (per business day)
\$350.00	Graduation Fee
\$40.00	Locker Key Replacement Charge
\$10.00	Official Transcript (Each)
\$21.00	Rush Transcript, First Class Mail (Each)
\$25.00	Rush Transcript, Federal Express (Each)
\$10.00	Student ID Replacement Fee
TBD	Breakage Fee (Replacement Cost)

General Academic Policies and Procedures

Unless otherwise stipulated in this section, all other Academic Policies and Procedures, Standards of Academic Progress, and Standards of Professional Conduct of the DPT (Professional) program must also be met.

Attendance/Absences

Attendance is mandatory for all seminars. Dates of the weekend seminar program are published and distributed at the beginning of each semester and are subject to change. Students who are unable to attend a weekend session must contact the course instructor immediately to make other arrangements regarding missed exams and/or course information. Students who consistently do not comply with this policy may be dismissed from the program. The department faculty may make a recommendation for dismissal to the College of Allied Health Professions Student Progress Committee (SPC). The SPC will review the student's performance and make a recommendation to the Dean of the College of Allied Health Professions who will make a determination about the student's continued enrollment.

Standards of Academic Progress

All students admitted to the DPT (Post-Professional) program are expected to make reasonable progress each year toward the degree objective. Students with Post-Professional Standing are considered to be making reasonable academic progress when they maintain a cumulative GPA of at least 2.80 and complete four to six units during the academic year.

Financial Aid Warning Policy (Title IV and Title VII)

If a student is not making Satisfactory Academic Progress (SAP) they may be placed on "Financial Aid Warning" status for the next payment period and continue to receive financial aid for that period. Financial Aid is any financial assistance offered to the student for paying for their education, such as loans, scholarships, Federal Work-Study, grants and stipends (judged on the criteria of the stipend). Students who fail to make SAP by the end of the payment period lose Financial Aid eligibility.

It is the policy of the Financial Aid Office (FAO) that once a student has been placed on academic probation for not meeting SAP standards as defined by the college, the FAO will automatically place the student in a Financial Aid Warning status. During the next academic term, if the student does not meet SAP standards and the college places the student on academic suspension, the student will no longer be eligible for financial aid. If the student appeals the academic suspension and the appeal is approved, financial aid will be reinstated. If the student is directed to audit courses, those courses will not be covered by financial aid.

Curriculum Organization

Students must meet all the requirements for the DPT (Entry Level) program as listed in the previous section. Credit may be given for previous coursework. It is anticipated that students will be required to complete at least the following courses, unless their portfolio shows evidence of mastery of course content:

Course	Title	Credit Hours
PT 6600	Strategies for Successful Learning	0.00
PT 8101	Pharmacology for the Physical Therapist	3.00
PT 8111	Structural Imaging in Physical Therapy Diagnosis	3.00
PT 8120	Medical Screening and Differential Diagnosis	4.00
PT 8130	Advanced Differential Diagnosis I	2.00
PT 8133	Advanced Differential Diagnosis II	2.00
PT 8135	Advanced Differential Diagnosis III	2.00
PT 8140	Application of Research to Evidence-Based Practice	3.00
Total:		19.00

Additional Courses

These additional courses have been specifically designed for students with Post-Professional Standing who may not have met a minimal level of proficiency in these areas prior to admission to the program. Proficiency level will be determined through a review of the applicant's portfolio. Students may opt to take an equivalent course offered in the first professional DPT degree program to fulfill content not obtained through previous academic programs, continuing education, or clinical experience. Another option offered to students is to complete a group or individual independent studies course to fulfill course requirements.

Course	Title	Credit Hours
PT 8200	Professional Leadership and Ethics	2.00
PT 8210	Documentation and Health Care Financing	2.00
PT 8230	Wellness and Prevention/Community Education	3.00
PT 8698	Group Independent Studies	1.00 – 3.00
PT 8699	Individual Independent Studies	1.00 – 3.00

Exemption from Individual Course (Post-Professional Students Only)

Students with advanced work or degrees in a particular subject may formally petition the instructor and the Department Chair for credit for an individual course. The petition must include the reasons for the request and all necessary documentation and must be submitted by the end of the first week of the course, and preferably prior to registering for the course. If enrolled in the course, the student must comply with the attendance policy until notification that exemption has been granted by the Dean, based upon recommendation of the Department Chair. The instructor, before recommending exemption, may require acceptable performance on an examination. The instructor, in consultation with the Department Chair, may suggest other alternative or additional criteria for determining exemption.

Course Descriptions

All courses are awarded letter grades, except when indicated otherwise. Prerequisite course requirements refer to the successful completion of a designated course(s) or approval/permission of the individual course instructor prior to enrollment. A student is required to petition the faculty in writing if they wish to be considered for advancement without successfully meeting the course prerequisite(s). The faculty may waive compliance of successful completion of a course prerequisite in order to progress to the next required course(s). The Department Chair/designee will provide the student with written approval or denial of the requested waiver within two working days of receipt of the petition. The student may remain in class or on a clinical education experience pending notice of the outcome from the Department Chair/designee.

IPE 5000 Patient Centered Cases I – An Interprofessional Approach (1 credit hour, CR/NCR)

Prerequisite: Acceptance to the program. IPE 5000 is offered as part of the college curriculum for all first year entry level health professional students and is a university requirement for all participating colleges. The course is designed to prepare the health care student to practice patient-centered collaborative care through a team approach. Working in small interprofessional teams, students will explore cases representing conditions across the human lifespan.

IPE 5100 Patient Centered Cases II – An Interprofessional Approach (1 credit hour, CR/NCR)

Continuation of IPE 5000.

IPE 6000 Team Training in Healthcare I (1 credit hour, CR/NCR)

IPE 6000 will continue to build upon the knowledge from the IPE 5000 series, but will expand upon that knowledge and require the student to learn and apply advanced tools and strategies that are crucial to develop a collaborative healthcare team. The majority of the course is independent study with students engaging in a large scale tabletop activity where they apply team tools necessary to solve a healthcare dilemma.

IPE 6100 Team Training in Healthcare II (1 credit hour, CR/NCR)

Continuation of IPE 6000.

OM 5001 Summer Medical Sciences Preparatory Program (0 credit hours, CR/NCR, Optional)

The Summer Preparatory Program prepares incoming students for the anatomy course and provides an introduction to biochemistry. The anatomy component focuses on the skeletal, muscular, cardiovascular and nervous systems, yet provides a brief overview of other body systems. It is designed for the student without prior coursework in anatomy. Acceptance into this program is at the discretion of the instructor/coordinator. The course is an elective and does not meet any requirements for graduation. A separate tuition of \$750 is charged.

PT 5000 Psychosocial and Ethical Aspects of Health Care (3 credit hours)

Prerequisite: Acceptance to program. Introduction to the psychological, sociological, and cultural aspects of acute, chronic, terminal, traumatic, and congenital medical problems on the patient, family and therapist. Includes impact of verbal and non-verbal communication and patient advocacy. Overview of basic legal and ethical principles, as well as application of ethical decision-making in relationship to professional health care dilemmas. Lecture.

PT 5015 Professional and Practice Issues in Physical Therapy (3 credit hours)

Emphasis on elements of the professional therapeutic relationship and concepts presented in the *Guide to Physical Therapist Practice*. This course will cover a broad perspective of world, national and state health care issues, professional advocacy and professional aspects of physical therapy practice, including reimbursement in a variety of practice settings. Lecture.

PT 5030 Anatomy I (4 credit hours)

Prerequisite: Acceptance to the program. The first of two courses covering normal human anatomy, including thorax, abdomen and the upper extremities. Incorporates surface palpation of the entire body. Cadaver dissection is included. Lecture and Laboratory.

PT 5035 Anatomy II (4 credit hours)

Prerequisite: Successful completion of PT 5030 and 5050. The second of two courses covering normal human anatomy, including lower extremities, spine, head, and neck. Emphasis is placed on the neuromusculoskeletal system. Cadaver dissection is included. Lecture and Laboratory.

PT 5050 Kinesiology I (3 credit hours)

Prerequisite: Acceptance to the program. Introduction to the theoretical principles and clinical applications of kinetics and kinematics to the axial and extremity joints and muscles, with an emphasis on normal function. Pathokinesiology is addressed as an aid to identify major concepts and to introduce clinical relevance. The course includes basic evaluation of the musculoskeletal system. Lecture and Laboratory.

PT 5055 Kinesiology II (5 credit hours)

Prerequisites: Successful completion of PT 5030 and 5050. Continuation of PT 5050 on the theoretical principles and clinical applications of kinetics and kinematics to the axial and extremity joints and muscles, with emphasis on normal function and the specific joint analysis in complex tasks. Lecture and Laboratory.

PT 5070 Patient Care Skills I (3 credit hours)

Prerequisite: Acceptance to program. Introduction to the basic physical therapy skills of transfers, mobility, soft tissue mobilization, and medical terminology. Introduction to documentation in a variety of physical therapy settings. Lecture and Laboratory.

PT 5075 Physical Agents and Procedures (3 credit hours)

Prerequisite: Successful completion of PT 5030 and 5100. This course will cover tissue healing and impairments with didactic and clinical application of selected physical agents used in physical therapy practice. Emphasis on clinical decision making in the selection, application and evaluation of modalities within a comprehensive plan of care to address impairments and functional limitations. Lecture and Laboratory.

PT 5100 Physiology and Pathophysiology (5 credit hours)

Prerequisite: Acceptance to program. This course is designed to elucidate the functional characteristics of human physiology. Principles of emphasis include structural basis of function as well as integrational elements underlying homeostatic regulation. The course is also designed to elucidate the characteristics and pathophysiology of certain common and significant diseases that are encountered by physical therapists. Lecture.

PT 5120 Human Life Sequences (2 credit hours)

Prerequisites: Successful completion of PT 5000, 5030, 5035, 5050, 5055 and 5100. The developmental process from conception to death with the emphasis on human motor performance. Sequence of study includes fetal life, infancy, early and middle childhood, late childhood, adolescence, early and middle adulthood, and the aging adult including neuroanatomical and neurophysiological mechanisms in relationship to developmental changes in performance, and musculoskeletal development in relationship to the human life span. Lecture and Laboratory.

PT 5130 Research Methodology in Health Care (3 credit hours)

Prerequisite: Acceptance to program. This course will cover basic quantitative, qualitative, and epidemiologic methods and designs of research. Topics include ethical issues related to research, validity and reliability of measures, sampling methods, and appropriate statistical analysis for various types of research. Lecture.

PT 5140 Evidence-based Practice: Application of Research to Clinical Practice (3 credit hours)

Prerequisite: Successful completion of PT 5130. This course provides students with an opportunity to apply principles and concepts from research methodology in the critical analysis of clinical literature. Emphasis is placed on the practical application of research principles and the scientific process as utilized by an evidence-based practitioner. Lecture.

PT 5141 Professional Development and Reflective Practice (1 credit hour)

Overview of clinical education in physical therapy to include the APTA guidelines, legal aspects, and professional development through reflective practice and self-assessment. Portfolio development, scheduling, and assignment for Clinical Education I are incorporated herein. Lecture.

PT 5142 Professional Development and Clinical Education (1 credit hour)

Prerequisite: Successful completion of PT 5141. Continuation of PT 5141 on various aspects of professional development and clinical education, including expectations and evaluation of clinical performance and utilization of the clinical evaluation tool, the CPI. Portfolio management, scheduling and assignment for Clinical Education II are incorporated. Lecture.

PT 5143 Professional Development and Clinical Practice (1 credit hour)

Prerequisite: Successful completion of PT 5141, and 5142. Continuation of PT 5142 on various aspects of professional development and clinical practice to include completion of the portfolio, resume writing and interview skills, and an overview of the licensure process. Scheduling and assignment for Clinical Education III and IV are included herein. Optional opportunity for an extended internship via application and interview process. Lecture.

PT 5205 Examination and Management of Musculoskeletal Dysfunction I (5 credit hours)

Prerequisite: Successful completion of PT 5120, 5215, 5233, 5235, and 8110. Regional, problem solving approach to neuromusculoskeletal problems in the adult population including underlying foundational principles. Emphasis is on clinical examination and management skills, including physical therapy differential diagnosis, causal factors, impairments, symptoms and evidence based treatment. Introduction of applicable pharmacology used in the patient population, including drug actions and screening for signs of toxicity and adverse effects. Lecture and Laboratory.

PT 5210 Examination and Management of Musculoskeletal Dysfunction II (5 credit hours)

Prerequisite: Successful completion of PT 5205, 6030, 6040, and 6060. Continuation of PT 5205.

PT 5215 Motor Control and Motor Learning (2 credit hours)

Prerequisite: Successful completion of PT 5030, 5035, 5050, 5055, and 5100. Introduction to the theories, structures, and processes of motor control and motor learning. Lecture and laboratory.

PT 5220 Principles of Teaching, Learning, and Communication (2 credit hours)

Prerequisite: Successful completion of PT 5215 and 5233. Communication and teaching-learning theory applied to clinical practice. Includes teaching techniques for being a Clinical Instructor, functioning as a member of an interdisciplinary team, and delivering clinical and professional presentations. Lecture.

PT 5230 Screening for Medical Referral I (2 credit hours)

Prerequisite: Successful completion of PT 5030 and 5100. This course uses a systems approach to discuss common medical conditions, their epidemiology, etiology, clinical manifestations, medical management, and issues related to PT screening, examination, interventions and appropriate referral to other medical practitioners. Lecture and Laboratory.

PT 5233 Foundations of Patient Examination (2 credit hours)

Prerequisite: Successful completion of PT 5000, 5030, 5035, 5050, 5055, 5070 and 5230. Foundational principles and practice of evidence based clinical physical therapy examination and management of persons with orthopedic and neurologic disorders. Emphasis on critical thinking though focused patient communication in a culturally sensitive manner. Lecture and Laboratory.

PT 5235 Screening for Medical Referral II (2 credit hours)

Prerequisite: Successful completion of PT 5230. This course continues from PT 5230 with a focus on screening for the complex patient. A systems approach is utilized to discuss common medical conditions, their epidemiology, etiology, clinical manifestations, medical management, and issues related to PT screening, examination, interventions and appropriate referral to other medical practitioners. Lecture and Laboratory.

PT 6008 Neuroscience (5 credit hours)

Prerequisite: Successful completion of PT 5120, 5215, and 5233. Systematic, problem solving approach to the anatomical and physiological structure and function of the normal and injured central, peripheral and autonomic nervous systems. Students will develop sufficient knowledge of neurophysiological principles to comprehend nervous system function and alternations resulting from damage. Three-dimensional relationships and functional connectivity will be examined in detail with the ultimate goal of developing the ability to diagnose lesions of CNS based on presenting deficits. Assessment of numerous case studies will familiarize students with organized, logical strategies for deduction of deficits and localization of lesions. Lecture and laboratory.

PT 6010 Examination and Management of Neurological Disorders I (5 credit hours)

Prerequisite: Successful completion of PT 5025, 5215, 5233, 6008, 6030, 6040, 6060 and 6630. This course will present a systematic, problem solving approach to neurological disorders in the adult population, including underlying foundational principles. Emphasis is on clinical examination and management skills, including physical therapy differential diagnosis, causal factors, impairments, symptoms and evidence based treatment. Introduction of applicable pharmacologic principles appropriate for this population including drug actions and screening for signs of toxicity and adverse effects is included. Lecture and Laboratory.

PT 6015 Examination and Management of Neurological Disorders II (5 credit hours)

Prerequisite: Successful completion of PT 5210, 6010, 6020, and 6065. Continuation of PT 6010.

PT 6020 Electrotherapeutic Principles (2 credit hours)

Prerequisite: Successful completion of PT 5205, 5233, 5235, 6008, 6030, 6040, and 6060. This course provides practical clinical application of electrotherapeutic strategies in the physical therapy management of dysfunction. This will include basic foundational concepts, parameters, electrical safety, and instrumentation. Lecture and laboratory.

PT 6030 Physiological Basis of Therapeutic Exercise (4 credit hours)

Prerequisite: Successful completion of PT 5120, 5215, 5233, and 5235. The physiological basis of therapeutic exercise is the foundation for this course, as well as the application of therapeutic exercise to treat acute, sub-acute and chronic conditions. This course addresses bioenergetics, basic nutritional principles, therapeutic exercise and exercise prescription based upon the acute and chronic physiological responses of the human body during exercise and other special conditions. Lecture and laboratory.

PT 6040 Evaluation and Treatment of Problems of the Cardiopulmonary System (4 credit hours)

Prerequisite: Successful completion of PT 5233, 5235, and 8110. This course serves as an introduction to evaluation and treatment of diseases of the cardio-pulmonary system. It will include physiology and pathophysiology, evaluation methods, treatment methods, and prevention with a focus on differential diagnosis. Introduction of applicable pharmacologic principles for the patient population, including drug actions and screening for signs of toxicity and adverse effects. Lecture and laboratory.

PT 6045 Differential Diagnosis of the Integumentary System/Wound Care (2 credit hours)

Prerequisite: Successful completion of PT 5233, 5235, and 6060. This course introduces screening for pathological conditions of the integumentary system including examination and interdisciplinary medical management. Emphasis on wound healing and intervention techniques. This course also introduces aspects of pharmacology used in this patient population, including drug actions and screening for signs of toxicity and adverse effects. Lecture and laboratory.

PT 6050 Principles of Administration and Management (3 credit hours)

Prerequisite: Successful completion of PT 5015, 5220, and 5233. Organization and administration of a physical therapy department including budget considerations, hiring-interviewing techniques, marketing, and medical-legal issues. Lecture.

PT 6060 Prosthetics, Orthotics, and Gait (3 credit hours)

Prerequisite: Successful completion of PT 5120, 5125, 5233, 5235, 6008 and 8110. Assessment, appropriate selection, and application of prosthetic and orthotic devices to physical therapy clients with common neurological and musculoskeletal impairments. Analysis and differentiation of pathological gait patterns related to use of prosthetic and orthotic devices. Lecture and laboratory.

PT 6065 Patient Care Skills II (2 credit hours)

Prerequisite: Successful completion of PT 5215, 5233, 5235, 6030 and 6040. Continuation of PT 5070. A case based approach to patient care with a focus on the acute care setting. Emphasis is on examination and patient care skills of complex patients in an interdisciplinary setting. Critical thinking elements focus on effective communication and patient care documentation. Lecture and Laboratory.

PT 6070 Prevention and Management of Problems in the Aging Adult (3 credit hours)

Prerequisite: Successful completion of PT 5120, 5210, 5233, 6010, 6020, 6030, 6040, 6045, 6060 and 6065. Systematic, problem solving approach to the elderly patient/client with emphasis on prevention, etiology, clinical manifestations, evaluation and treatment, and resources. This course also introduces aspects of pharmacology used in this patient population, including drug actions and screening for signs of toxicity and adverse effects. Lecture.

PT 6075 Prevention and Management of Problems in the Pediatric Population (4 credit hours)

Prerequisite: Successful completion of PT 5120, 5215, 5233, 5235, 6008, 6040, 6060, 6630 and 8100. Systematic, problem solving approach to the pediatric client with emphasis on prevention, etiology, clinical manifestations, evaluation, and treatment. This course also introduces aspects of pharmacology used in the patient population, including drug actions and screening for signs of toxicity and adverse effects. Lecture and laboratory.

PT 6090 Differential Diagnosis and Management of the Complex Patient (3 credit hours)

Prerequisite: Successful completion of PT 5210, 5215, 5233, 5235, 6010, 6020, 6030, 6040, 6045, 6065, and 6075. This course employs a mixed traditional and problem-based approach using a case study context. Students learn to differentially diagnose and manage patients with multisystem dysfunction within the scope of physical therapy practice. Lecture and laboratory.

PT 6600 Strategies for Successful Learning (0 credit hours, CR/NCR)

Prerequisite: Acceptance to program. This course provides new students entering with Post-Professional Standing an introduction to the DPT program. Following an overview of the most important services, policies, instructional methods and resources, students will have an opportunity to assess their readiness for the program. The awareness, knowledge, and skills derived from this part of the course will help ensure successful completion of the program. This course is provided on campus only and must be taken prior to beginning the first semester in the program.

PT 6630 Structural Imaging in Physical Therapy Differential Diagnosis – Neurologic (1 credit hour)

Prerequisite: Successful completion of PT 5233 and 8110. This course will provide an introduction to indications, instrumentation, and clinical interpretation of various medical imaging techniques. The focus will be on test selection, clinical interpretation, and practical integration of imaging data into diagnosis of neurological conditions for planning and communication with other medical professionals. Lecture.

PT 7010 Clinical Education I (1 credit hour, CR/NCR)

Prerequisite: Successful completion of Semesters I and II. Forty hours per week for two weeks under the direct supervision of a physical therapist serving as the clinical instructor. Application of course content in Semesters I and II will be emphasized in this clinical experience.

PT 7020 Clinical Education II (6 credit hours, CR/NCR)

Prerequisite: Successful completion of PT 5141, 5242, and 5233. Forty hours per week for twelve weeks under the direct supervision of a physical therapist serving as the clinical instructor. Application of course content in Semesters I through V (musculoskeletal and/or cardiopulmonary pathologies) will be emphasized in this clinical experience.

PT 7030 Clinical Education III (6 credit hours, CR/NCR)

Prerequisite: Successful completion of PT 5143, 6015, 6050, 6070, and 6090. Forty hours per week for twelve weeks under the direct supervision of a physical therapist serving as the clinical instructor. Application of all course content in Semesters I through VII will be emphasized in this clinical experience.

PT 7040 Clinical Education IV (6 credit hours, CR/NCR)

Prerequisites: Successful completion of PT 7030. Forty hours per week for twelve weeks under the direct supervision of a physical therapist serving as the clinical instructor. Application of all course content in Semesters I through VIII will be emphasized in this clinical experience.

PT 7050 Clinical Internship (0 credit hours)

Prerequisite: Successful completion of all prior coursework and selection of clinical facility. An optional 1-year clinical experience via extension of PT 7030 and 7040 in the same clinical facility.

PT 8100 Introduction to Pharmacology for the Physical Therapist (1 credit hour)

Prerequisite: Basic and applied pharmacology for the physical therapist. Includes pharmacokinetics, pharmacodynamics, classes of drugs, screening for drug toxicities and adverse effects related to physical therapy. Lecture.

PT 8101 Pharmacology for the Physical Therapist (3 credit hours)

Basic and applied pharmacology for the physical therapist. Includes the effects of pharmacotherapy on the health and well-being of patients, and clinical incorporation of pharmacologic information into treatment selection and delivery. Open to students enrolled in the DPT (Post-Professional) program only.

PT 8110 Structural Imaging in Physical Therapy Diagnosis- Musculoskeletal (2 credit hours)

Prerequisite: Successful completion of PT 5030 and 5035. This course will provide an introduction to indications, instrumentation, and clinical interpretation of various medical imaging techniques. The focus will be on test selection, clinical interpretation, and practical integration of imaging data into diagnosis of musculoskeletal conditions for planning and communication with other medical professionals. Lecture.

PT 8111 Structural Imaging in Physical Therapy Diagnosis (3 credit hours)

This course will familiarize the DPT student with the indication, instrumentation, & clinical interpretation of orthopedic imaging techniques, including plain film x-ray, magnetic resonance, computerized tomography, & radioisotope imaging. Selection protocols for each will be discussed to acquaint the student with advantages & disadvantages of each method & what type of information each technique best presents. This course will focus on the clinical interpretation & practical integration of imaging data into rehabilitation regimen design & communication with other medical professionals. Course may be offered online. Open to students enrolled in the DPT (Post-Professional) program only.

PT 8120 Medical Screening and Differential Diagnosis (4 credit hours)

Prerequisite: Acceptance to the program as a student with Post-Professional Standing. The course uses a systems approach to discuss common medical conditions, their epidemiology, etiology, clinical manifestations, medical management and issues related to PT screening, examination, interventions, and red flags. An introduction to differential diagnosis and systems review in physical therapy is provided with emphasis on the integumentary system. Includes labs on physical exam related to visceral structures for purposes of medical screening and indications for referral to medical practitioner or other appropriate health care providers. May include online lectures/discussions and in class laboratory.

PT 8130 Advanced Differential Diagnosis I (2 credit hours)

Prerequisites: Licensed physical therapist with at least one year of clinical experience. This course includes detailed skills for differentiating pathologies within the musculoskeletal system as described in the *Guide to Physical Therapist Practice*. The reliability and validity of relevant PT tests and measures will be explored. The physical therapist will develop higher level clinical reasoning skills related to developing a PT diagnosis and interventions. Cases will include those with complex presentations, multi-systems involvement, and will encompass the life span.

PT 8133 Advanced Differential Diagnosis II (2 credit hours)

Prerequisite: Licensed physical therapist with at least one year of clinical experience. This course includes detailed skills for differentiating pathologies within the cardiovascular and pulmonary systems as described in the *Guide to Physical Therapist Practice*. The reliability and validity of relevant PT tests and measures will be explored. The physical therapist will develop higher level clinical reasoning skills related to developing a PT diagnosis and interventions. Cases will include those with complex presentations, multi-system involvement, and will encompass the life span.

PT 8135 Advanced Differential Diagnosis III (2 credit hours)

Prerequisites: Licensed physical therapist with at least one year of clinical experience. This course includes detailed skills for differentiating pathologies with the neurologic system as described in the *Guide to Physical Therapist Practice*. The reliability and validity of relevant PT tests and measures will be explored. The physical therapist will develop higher level clinical reasoning skills related to developing a PT diagnosis and interventions. Cases will include those with complex presentations or multi-system involvement and will encompass the life span.

PT 8140 Application of Research to Evidence Based Practice (3 credit hours)

Prerequisite: PT 5130 or equivalent. Examines research methods used for the objective and systematic study and evaluation of clinical practices. Applies evidence in the area of physical therapy administration and management to current practice settings following the five steps of evidence based practice. Includes individual reviews and group on-line discussions.

PT 8200 Professional Leadership and Ethics (2 credit hours)

Potential leadership roles of the physical therapist will be discussed. Issues related to professional development and reflective practice, collaboration with other health care providers, and knowledge of advocacy will be examined. Group discussions will include legal/ethical issues experienced in the clinical setting and in relation to the role of the physical therapist in primary care/direct access.

PT 8210 Documentation and Health Care Financing (2 credit hours)

Government, private insurance and managed care changes in health care financing will be presented. Students will review and critique documentation as a means to developing their own skills in this area.

PT 8230 Wellness and Prevention/Community Education (3 credit hours)

The application of primary, secondary and tertiary prevention and the therapist's role in wellness and health promotion will be discussed. Teaching/learning principles are applied to community education programs including those related to wellness, prevention and health promotion.

PT 8400 Capstone Project I (1 credit hour, CR/NCR)

Prerequisite: Successful completion of PT 5130 and 5140. This course provides the opportunity to select a capstone project in one of three areas: a community service partnership project; a comprehensive case study from a clinical education experience; or an empirical research project. It is expected that the final product will contribute to the community, clinical practice, or professional literature at a level consistent with presentation to a professional audience. Completed projects will be presented as posters or platform presentations prior to graduation.

PT 8401 Capstone Project II (1 credit hour, CR/NCR)

Prerequisite: Successful completion of PT 5233 and 8400. This course provides the continued development of the capstone project. Continuation of PT 8400.

PT 8402 Capstone Project III (3 credit hours)

Prerequisite: Successful completion of PT 8401. This course is a continuation of PT 8400 and 8401. Completed projects will be presented as posters or platform presentations prior to graduation.

PT 8500 Selected Topics (2-4 credit hours, CR/NCR)

Prerequisite: Approval of instructor. Special topics in physical therapy presented in workshop format. Laboratory experiences may be included.

PT 8600 Community Service (2 credit hours, CR/NCR)

Prerequisite: Acceptance to program. Contributions student make beyond their professional role through interaction and service are experienced through practical application. Emphasis on developing the role and responsibility of the physical therapist within a given community.

PT 8698 Group Independent Studies (1-3 units)

Prerequisite: Acceptance to program as a student with Post-Professional Standing. Students will work in small groups to fulfill competency in a specified area of physical therapy practice. Course content and assignments will be individualized to meet the group's needs.

PT 8699 Individual Independent Studies (1-3 units)

Prerequisite: Acceptance to program. Students will work on individual assignments/projects to fulfill competency in a specified area of physical therapy practice. Course content and assignment will be individualized to meet the student's needs.