

# **COLLEGE OF ALLIED HEALTH PROFESSIONS**

## **Doctor of Physical Therapy Degree Program**

### **Western University of Health Sciences Department of Physical Therapy Education Doctor of Physical Therapy Program**

#### **ABOUT THE DOCTOR OF PHYSICAL THERAPY PROGRAM**

The Doctor of Physical Therapy (DPT) program is designed to give students a didactic and clinical education experience that provides current knowledge and skills necessary to practice physical therapy in any clinical setting. The courses included in this curriculum reflect and are consistent with the patient/client management model described in the *Guide to Physical Therapist Practice* and the curricular content for professional education in *A Normative Model of Physical Therapist Professional Education: Version 2004*.

The DPT degree is based on the new and expanding role of the physical therapist. Changes are occurring in the field and the future role will include practice in primary care and direct access. As such, physical therapists will be expected to perform medical screening, have a stronger knowledge base of the medical and clinical sciences, and be able to perform higher level problem-solving and clinical decision-making.

In addition to the entry level doctoral degree, the program offers the DPT degree to licensed physical therapists. The clinician who holds a bachelor or master's degree in physical therapy may enter the DPT program as a student with advanced standing to complete requirements for the DPT degree. The required courses will depend upon the student's previous academic coursework and clinical/professional experiences. The student with advanced standing may take many courses online with two to three weekends on campus. The mission and program goals are the same for the first professional and advanced standing students. Policies related to admissions, registration, and tuition and fees are different for students entering with advanced standing. A description of the policies for students with advanced standing is provided separately at the end of the section on the first professional DPT program. All other policies are the same for both first professional DPT students and those admitted to the DPT program with advanced standing.

#### **MISSION OF THE PROGRAM**

The mission of the Department of Physical Therapy Education supports the mission of Western University of Health Sciences by educating culturally competent and reflective practitioners who are committed to life-long learning, scientific inquiry, critical thinking, and evidenced based practice to meet the healthcare needs of the community.

#### **DEPARTMENTAL/PROGRAM GOALS**

The graduate of the DPT program will be a mature individual whose professional education is based on a foundation of the requisite preparation in the biological, behavioral and social sciences, and humanities. The graduate will have the necessary knowledge, skills and attitudes to function as a clinician generalist; will have an appreciation for the value of the research process; and will be a responsible member of the community and the profession. The goal of the Department of Physical Therapy Education and its DPT program is to achieve the following outcomes:

1. Provide educational experiences that facilitate critical thinking and clinical decision making skills.
2. Provide educational experiences for current practice in patient care, community service, research and education.
3. Prepare students to demonstrate interpersonal and communication skills in a variety of clinical settings and across cultures.
4. Provide educational experiences that facilitate and encourage interdisciplinary practice.
5. Encourage engagement in ethical behaviors and attitudes that result in collaborative relationships.
6. Encourage engagement in humanistic behaviors and attitudes that result in productive professional relationships.

7. Educate and model for graduates and students life-long learning and advances in current practice in patient care, community service, research, and education.
8. Prepare students to practice as evidence-based clinicians.

## **DESCRIPTION OF THE DPT PROGRAM**

The curriculum for the Doctor of Physical Therapy (DPT) Program will prepare the graduate to be a physical therapist generalist. The curriculum consists of nine trimesters, each having a particular emphasis.

### **Curriculum Design**

The DPT program is three years in length. Didactic education, which includes classroom and PT laboratories to practice procedures on classmates, simulated and real patients, is followed by clinical education experiences in a wide variety of clinical settings. Year I consists of two 15-week trimesters and one 17-week trimester that includes a three-week clinical experience.

Year II consists of one 15-week trimester, followed by a 12-week clinical experience and a 16-week trimester.

Year III consists of a 15-week trimester followed by an 18-week and 12-week trimester. Didactic courses are presented in the first trimester and the first six weeks of the second trimester during this year. The student completes the remaining 24 weeks of the program in two 12-week clinical internships.

Students will have the option to assist faculty in research during the second year and first part of the third year. Research studies must be completed prior to the final clinical internship. Selected topics courses will be offered during the first six weeks of the eighth trimester, or students, with faculty approval, may select the opportunity to complete an optional four-week clinical experience at that time.

DPT students will complete their education in August, but will participate in the University-wide graduation in the prior May/June. State licensure examinations are computerized and can be taken following completion of the program. The faculty includes scholars, researchers, administrators, and clinicians from the professions of physical therapy, psychology, education, osteopathy, medicine, and the basic sciences. All faculty are committed to the preparation of the Doctor of Physical Therapy professional who will be well versed in all aspects of physical therapy and dedicated to their profession and to the patients they serve.

### **Program Ability Based Outcomes**

Upon completion of the DPT program, students will be able to:

1. Demonstrate and facilitate professional behaviors, attitudes and effective communication skills appropriate for a physical therapist.
2. Apply problem-solving strategies and critical thinking skills in patient care.
3. Demonstrate accurate self-assessment and participation in life-long learning.
4. Apply principles of evidence based practice in clinical decision making and the delivery of patient care.
5. Apply principles of teaching and learning in clinical practice and professional interaction.
6. Identify the physical therapy needs of patients.
7. Design and implement a physical therapy plan of care.
8. Re-assess and modify physical therapy plans of care in response to assessment outcomes.
9. Demonstrate safe, ethical and legal practice of physical therapy.
10. Engage in and promote interdisciplinary practice.
11. Participate in professional organizations and activities.

## **PERSONAL COMPETENCIES FOR ADMISSION AND MATRICULATION**

A candidate for admission to the DPT program must have the use of certain sensory and motor functions to permit them to carry out the activities described in the sections that follow. Graduation from the program signifies that the individual is prepared for entry into clinical practice. Therefore, it follows that graduates must have the knowledge and skills needed to function in a broad variety of clinical situations and to render a wide spectrum of physical therapy evaluation and treatment techniques. The candidate and student must be able to consistently, quickly, and accurately integrate all information received by whatever sense(s) are employed. Also, they must have the intellectual ability to learn, integrate, analyze, and synthesize data.

Examples of essential functions of a physical therapist include, but are not limited to:

- a. Use of appropriate verbal, non-verbal, and written communication with patients, families, and others.
- b. Determination of the physical therapy needs of any patient with potential movement dysfunction.
- c. Safe, reliable, and efficient performance of appropriate physical therapy procedures used to assess the function of the movement system.
- d. Performance of treatment procedures in a manner that is appropriate to the patient's status and desired goals.

A candidate for the DPT ordinarily must have abilities and skills of five varieties including (1) observation; (2) communication; (3) motor; (4) intellectual, conceptual, integrative and quantitative; and (5) behavioral and social. Where technological assistance is available in the program, it may be permitted for disabilities in certain areas. Under all circumstances, a candidate should be able to perform all physical therapist functions at entry level competency in a reasonably independent, timely manner.

1. Observation: Candidates and students ordinarily must have sufficient vision to be able to observe demonstrations and laboratory exercises. They must be able to observe a client accurately at a distance and close at hand.

2. Communication: Candidates and students ordinarily must be able to communicate with clients and colleagues. They should be able to hear, but if technological compensation is available, it may be permitted for some people with disabilities in this area. Candidates and students must be able to read, write, and communicate verbally in English.

3. Motor: Candidates and students ordinarily should have sufficient motor function such that they are able to execute movements reasonably required to provide assessment and physical therapy treatment procedures to clients.

Examples of reasonable required assessment procedures include, but are not limited to:

- a. Functional abilities
- b. Pain
- c. Gait
- d. Strength
- e. Joint motion and stability
- f. Balance
- g. Movement patterns

Examples of reasonably required treatment procedures include:

- a. Balance training
- b. Exercise techniques
- c. Gait training
- d. Activities of daily living training and functional activities
- e. Manual therapy

These actions require coordination of both gross and fine muscular movements, equilibrium and functional use of the senses of touch and vision. The role of the physical therapist often requires upright posture with sufficient upper and lower extremity strength, as well as overall body strength; therefore, individuals with significant limitations in these areas would be unlikely to succeed.

4. Intellectual, Conceptual, Integrative, and Quantitative Abilities: These abilities include measurement, calculation, reasoning, analysis, and synthesis. Problem solving, the critical intellectual skill demanded of a physical therapist, requires all of these intellectual abilities. In addition, candidates and students should be able to comprehend three-dimensional relationships and understand the spatial relationships of structures.

5. Behavioral and Social Abilities: Candidates and students must possess the emotional health required for full utilization of the intellectual abilities, the exercise of good judgment, the prompt completion of all responsibilities attendant to the assessment and care of clients, and the development of mature, sensitive, and effective relationships with clients. Candidates and students must be able to tolerate physically taxing workloads, adapt to changing environments, display flexibility, and learn to function in the face of uncertainties inherent in the clinical problems of many clients. Compassion, integrity, concern for others, interpersonal skills, interest, and motivation are all personal qualities to be assessed during the admissions and educational processes.

The DPT program, along with all other programs at Western University of Health Sciences, shares a commitment to develop creative ways of opening the DPT curriculum to competitive, qualified individuals with disabilities. In doing so, however, the DPT program must maintain the integrity of its curriculum and preserve those elements deemed essential to educating candidates to become effective physical therapists.

## **ADMISSIONS POLICIES AND PROCEDURES-ENTRY LEVEL**

Western University will accept applications for admission from all qualified candidates for the first professional DPT degree. Beginning Fall 2008, Western University is participating in the Physical Therapist Centralized Application Service (PTCAS) for its admissions process. A primary application must be filed with the PTCAS and a secondary application filed with Western University, both subject to designated deadlines.

### **Application Requirements**

The applicant must have earned a BA or BS degree from a regionally accredited (exceptions will be made on a case by case basis) college or university by the time he/she matriculates in the DPT program.

The DPT program is looking for students who come from a broad, liberal arts background with the baccalaureate degree being obtained in any field of study other than physical therapy. A high degree of intellectual curiosity and accomplishment along with excellent verbal and written communication skills need to be evident in the applicant. The graduate of Western University will be able to problem-solve in clinical practice and will also be able to communicate appropriately with the client/patient and other health care providers about the client/patient care plan.

#### **1. Prerequisite Courses**

- English Composition - 1 course (minimum of 3 semester units or 4 quarter units)
- Psychology - 2 courses, at least one course must be from the Psychology Department (total of 6 semester or 8 quarter units)
- Statistics - 1 course (3 semester units or 4 quarter units)
- Human Anatomy - 1 course of lecture and lab (minimum of 4 semester units or 6 quarter units)
- Human Physiology - 1 course of lecture and lab (minimum of 4 semester units or 6 quarter units)
- General Chemistry – one year (a full course sequence) of lecture and lab (8 semester units or 12 quarter units)
- Physics – one year (a full course sequence) of lecture and lab – emphasis on mechanics, light, heat, sound, and electricity (8 semester units or 12 quarter units)

All science courses must include laboratories and cannot be at an “introductory” level.

Anatomy and Physiology must be taken from the Anatomy, Physiology, A&P, Biology or Zoology department. The Anatomy and Physiology must be "human." Combined Anatomy and Physiology courses will be considered only if a combined course sequence (2 semesters or 2 quarters) is completed.

In addition the following courses are recommended to enhance success in the program:

- Oral communication skills
- Computer literacy
- General biology
- Microbiology
- Kinesiology/biomechanics
- Exercise Physiology
- Nutrition
- Human/Child Development
- Additional Psychology courses

Grades of "C" or better are required in each prerequisite course. A grade of "C-" or less in any prerequisite course is not acceptable. Only one prerequisite course may be taken on an advanced-placement pass/no pass or credit/no credit basis. For courses completed in California, all science prerequisites must be University of California (UC) or California State University (CSU) transferable. Advanced Placement (AP) may be accepted for one prerequisite course; this will not be calculated into the GPA.

No more than one science and one non-science prerequisite courses can be in progress after the Fall term prior to matriculation. All prerequisite courses must be completed by the end of the Spring semester/quarter prior to matriculation. Please submit official transcripts directly to the Admissions Office upon completion of coursework in progress. Final transcripts and/or final grades (including degree verification) for all coursework in progress must be received prior to orientation in early August.

#### **2. Prerequisite and Overall GPAs**

The minimum overall GPA and the minimum GPA for all prerequisite courses must each be 2.8 on a 4-point scale. To be competitive, these GPA's should be consistent with current incoming class averages, which are above 3.0 on a 4-point scale.

3. Graduate Record Examination (GRE)  
The GRE scores are required. Currently there are no minimum score requirements and only the GRE General Exam results are acceptable.
4. Clinical Experience  
A minimum of 100 hours of volunteer or paid work experience in two or more physical therapy facilities and/or clinical settings is required, with a minimum of 40 hours per setting. Competitive applicants will have 40 or more hours in an in-patient clinical setting.
5. Recommendations  
Three satisfactory recommendations are required as part of the admissions application. One is required from a supervising physical therapist and one from a college course instructor. The third letter may be from either a supervising physical therapist or college course instructor; a physical therapist is preferred.
6. Interviews  
Qualified applicants will be invited to interview.

Note: The Western University DPT 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**

The DPT program has an August orientation and matriculation date. The application submission deadline is November 16<sup>th</sup> of the year of anticipated enrollment. Students with complete application packets are encouraged to apply early. Applicants who do not meet the criteria by the time of matriculation and wish to reapply for the following year will be considered with the new applicant pool.

A primary application must be submitted to PTCAS with a response to the three designated personal essay questions contained therein. Three letters of recommendation forms are available to download, print, and have the completed copies sent to PTCAS, along with official transcripts from all colleges attended. To initiate the primary application with PTCAS, go to their website at: [www.ptcas.org](http://www.ptcas.org).

The applicant must also submit the secondary application with a non-refundable application fee of \$60, GRE scores, and the signed work/volunteer experience forms from PTCAS directly to Western University. To request an information brochure and/or an application, contact the Admissions Office at:

Office of Admissions  
Western University of Health Sciences  
309 East Second Street  
Pomona, CA 91766-1854  
(909) 469-5541  
<http://prospective.westernu.edu/physical-therapy-entry/apply>

After receipt of the applicant's packet from PTCAS and the secondary application, the Admissions Office will review and evaluate the applicant's entire submission.

Applicants who wish to use coursework completed outside of the United States must submit their transcripts for evaluation to World Education Services, Josef Silny and Associates, Educational Credential Evaluators, Inc., or International Education Research Foundation, Inc. A course-by-course evaluation is required and all coursework must be designated as undergraduate, graduate or professional. Western University will only honor evaluations from the above services. The evaluation must be included with the application packet.

The Admissions Committee reserves the right to determine which potential candidates will be invited for personal interviews. These interviews are designed to allow the applicant to learn more about Western University's DPT program as well as allow the Admissions Committee to learn about the applicant. The interview process is conducted at various times throughout the admissions cycle.

Decisions of the Admissions Committee regarding the admission of applicants to the Doctor of Physical Therapy program are final.

### **REGISTRATION**

DPT students are required to register as directed by the Registrar. Failure to register may be grounds for dismissal. Assessed tuition and fees and all prior debts must be paid in full on or before the registration deadline.

each academic year. Matriculation is subject to satisfactory completion of all academic requirements and payment of all outstanding debts to the University. Prior to initial program registration, the receipt of final transcripts for all college coursework, a physical examination, and immunizations as outlined on the physical examination form, are additional requirements for incoming students. Attendance at Orientation is mandatory for incoming first-year students.

**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 degree at Western University 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. An unlimited number of credit hours may be completed 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 can be transferred into the DPT degree program. 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 program as a student with advanced standing 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 transferring from non-degree to degree status should be directed to the Chair, Department of Physical Therapy Education.

**TUITION AND FEES**

By action of the Board of Trustees, the tuition and fees effective July 1, 2009, (subject to change) are as follows:

- \*\$350 Tuition Deposit for incoming students  
(Payable two weeks after acceptance)
- \*\*\$500 Enrollment Deposit  
(Students returning from leave of absence only - Due 90 days prior to return date stated in the student’s intent to return letter.)

\$30,600 Total Tuition Annual

\$40 Student Body Fee covers student council, social activities, and public relations.

\*Upon matriculation, the entire \$350 tuition deposit is applied toward the total tuition.

\*\*For accepted candidates who are students returning from leave of absence of a year or more in duration, a \$500 enrollment deposit is required 90 days prior to the date of re-enrollment. The deposit is nonrefundable and is credited toward tuition upon re-enrollment.

Tuition and fees are subject to change without notice upon approval by the Board of Trustees. All the above-listed fees are mandatory for each student and are nonrefundable.

**Other Fees and Expenses**

\$1,000	Required and Recommended Texts (approximate cost per year)
\$200	Graduation Fee (Assessed on candidates for graduation only)
\$400	(annual) Western University Parking Permit Fee
\$60	Criminal Background Investigation (approx.)
\$40	Drug Screen (approx.)
\$30	(per day) Late Registration Fee
\$40	Lost Locker Key
\$10	Lost ID Badge
\$6	(each) Copy of Official Transcript
\$21	(each) Rush Transcript, First Class Mail
\$25	(each) Rush Transcript, Federal Express
\$0.25	(per page) Copy of Student File Material
(replacement cost)	Breakage Fee

## ACADEMIC REQUIREMENTS

### Academic Advisement Policy

Students will be assigned a faculty advisor upon matriculation. Advisement by faculty should be viewed by the student as a part of the academic process. If either the student or faculty member does not find the relationship helpful, either is free to seek a change. This request should be made to the Department Chair.

It is the student's responsibility to meet periodically with his/her advisor. A student on probation must meet with his/her faculty advisor at least once a month.

### Standards of Academic Performance

For those students who begin matriculating in Fall 2009 and afterward, good academic standing implies that a student maintains a minimum GPA of 2.8 or higher. For those students already enrolled in the program who began matriculation prior to Fall 2009, good academic standing implies that a student maintains a minimum GPA of 2.7 or higher.

All grading and evaluation is based on the student's ability to attain the competencies within the objectives outlined for each area of study.

A student whose performance falls below the minimum acceptable standard(s) for any area of study will be notified of such deficiency by the instructor of the course and Department Chair as soon as evidence of such substandard performance is available.

### Grade Scale/Grade Points/Class Ranking

The following academic standards and grading scale applies to students enrolled in the Physical Therapy Program:

Percentage	Letter Grade	Grade Points	
93 - 100	A	Excellent	4.0
90 - 92	A-	Excellent	3.7
87 - 89	B+	Good	3.3
83 - 86	B	Good	3.0
80 - 82	B-	Good	2.7
77 - 79	*C+	Passing, but below required overall GPA	2.3
73 - 76	*C	Passing, but below required overall GPA	2.0
Below 73	U	Unsatisfactory	0
	NCr	No Credit	0
	Cr	Credit	0
	I	Incomplete	0
	M	Missing	0
	Au	Audit	0
	W	Withdrawal	0

\* A "C" or "C+" grade in and of itself is a passing grade. However, a "C" or "C+" grade is below the required overall grade point average of 2.8 for student who begin matriculation in Fall 2009 and 2.7 for students who began matriculation prior to Fall 2009. If the number of "C's" and "C+'s" totals an amount to bring the student's GPA to below 2.8 for students beginning matriculation in 2009 or 2.7 for students who began matriculation prior to Fall 2009, then the performance, based on professional expectations, is considered unsatisfactory.

#### Clinical Education/Internship Grades:

CR	Satisfactory Performance/Completion of clinical education assignment
NCR	Unsatisfactory Performance/Completion of clinical education assignment

The class ranking is computed at the end of each graded trimester, based upon overall GPA.

## **Incomplete**

A student may be assigned an Incomplete grade (“I”) only when a personal situation arises during a trimester that prevents him/her from completing the course requirements or clinical experience. A student must remove an Incomplete by fulfilling all course requirements by the end of the following trimester. An Incomplete that is not removed will become a “U” grade.

In the event that the student receives an “I” in a clinical experience, arrangements to fulfill the requirements will be made by the Director of Clinical Education (DCE) in consultation with the student. Arrangements for the Incomplete and its removal must be approved by the course instructor/DCE prior to the end of the trimester in which the original incomplete grade was assigned. An Incomplete that is not removed will become a “NCR” grade.

## **Credit Hours**

Courses are rated at one credit hour for each 15 hours of lecture or 30 hours of laboratory and/or practice sessions. Credit hours of 1.0 will be assigned for every two weeks of clinical education experience.

A cumulative grade point average will be calculated and posted on the transcript. Class ranking is available upon request in the Registrar's Office.

The grade point average will be calculated at the end of each trimester. If a course is repeated, only the last grade earned enters into the computation of the grade point average, but the original grade remains on the student's transcript.

Official grades are turned in to the Registrar from the Dean, College of Allied Health Professions, at which time the online student records system, BanWeb, is updated. Official grade reports and unofficial transcripts will be available throughout the academic year. For more information on how to access the BanWeb student records system, visit the Registrar's website at <http://www.westernu.edu/registrar>.

No course grade will be changed unless the instructor certifies in writing to the Registrar that an error in computing or recording the grade occurred. If the student believes there is just cause to dispute a grade for a course, the procedure is as follows:

1. If, following distribution of unofficial transcripts on BanWeb, the student has reason to dispute the grade, it should be done in writing within five (5) working days to the Department of Physical Therapy Education Chair. Upon written request from the student, the Department Chair shall review the case with the instructor(s) and a decision shall be made by the course instructor(s) to affirm or modify the grade. Within seven (7) working days the Department Chair shall notify the student in writing of the decision. A copy of the letter shall be sent to the appropriate faculty member(s). The faculty member(s) has the sole responsibility to make the official grade change.
2. If the student is not satisfied with the outcome of the grade dispute procedure to the Department Chair, the student may then appeal in writing to the Dean of the College of Allied Health Professions within five (5) working days. The Dean of the College of Allied Health Professions shall review the case with the student, Chair of the Department of Physical Therapy Education and the course instructor(s) and a decision shall be made by the course instructor(s) to affirm or modify the grade. Within seven (7) working days the Dean shall notify the student in writing of the decision. A copy of the letter shall be sent to the appropriate faculty member(s) and Chair. The faculty member(s) has the sole responsibility to make the official grade change.

## **Evaluation**

- a. General: The program trimesters are designed so that students' work toward achievement of competencies is measured by written and practical examinations and by evaluations of clinical performance and professional development. Specific behavioral objectives are defined for each program component to assist the students and the faculty members in evaluating the degree of attainment of the objectives throughout the 36-month curriculum.
- b. Evaluation Methods: Overall student performance is evaluated during each phase using one or a combination of the following methods:
  1. Written examinations: Written examinations will vary based on the content of the individual course. A combination of multiple choice, matching, true/false, short answer, essay and patient problem solving questions are used.
  2. Practical or Laboratory Examinations: In selected courses, students will be observed performing components of physical therapy practice activities on lab exams. They also may be asked to

- "problem solve" based on a patient database, and in some cases students will be videotaped for evaluation and/or self-evaluation. Audio-visual media may also be used in examinations.
3. Student Presentations: Students may be asked to orally present individual or group projects, patient cases, research papers, etc. These oral presentations may or may not be accompanied by a written report.
  4. Written reports: At various times, students will be evaluated on written reports of assigned or selected topics, special projects, patient care documentation, evaluations, treatment plans and home programs.
  5. Clinical Evaluations: Supervising Clinical Instructors are asked to assess the student's level of attainment of competencies related to selected parameters within the domains of knowledge, skills and attitudes, and to evaluate the student's overall performance while on clinical education experiences.

The Clinical Performance Instrument (CPI), which incorporates physical therapist clinical performance criteria, is one of the clinical evaluations utilized.

Students are responsible for securing their CPI or other evaluation tools from the Center Coordinator of Clinical Education/Clinical Instructor (CCCE/CI) on each clinical experience and ensuring that it is completed and returned to the Director of Clinical Education after each clinical experience. CCCE/CI's are encouraged to discuss the student's performance and progress throughout the clinical assignment and to discuss the final evaluation prior to completion of the experience. The CI will indicate whether the clinical experience was successful in accordance with designated objectives, or was unsuccessful in meeting clinical objectives. While the CI may recommend success or failure of the clinical experience, the Director of Clinical Education determines and administers the actual course grade.

- c. Grade Reports: Final grade reports are issued at the completion of each trimester and will be available on BanWeb. Due to the nature of the curriculum, trimester completion dates may not coincide with traditional grading periods. In some courses when final grades are not available at grade reporting time, a grade of "M" (Missing) is submitted to the Registrar in lieu of the course grade. "M" grades are entered on the grade reports and are converted to student achieved grades at the earliest possible opportunity. An up-to-date summary of student performance is maintained in the Department Office and is available to each student for review.
- d. Review of Examinations: Examinations are graded as soon as possible and are kept on file for student review. Student performance in clinical courses is monitored closely by the Director of Clinical Education. Students whose performance in any portion of the curriculum is determined to be unsatisfactory are notified of such substandard performance as soon as it can be determined.

### **Professional Performance**

- a. Ability-based Assessment: The faculty supports the concept of development of professional behaviors throughout the program. The behaviors that have been identified include: (1) commitment to learning; (2) interpersonal skills; (3) communication skills; (4) effective use of time; (5) use of constructive feedback; (6) problem solving; (7) professionalism; (8) responsibility; (9) critical thinking; and (10) stress management.

Professional behavior is vital to the success of each student, the Western University Physical Therapy program, and the physical therapy profession. The process of becoming an effective physical therapist involves attaining competency in professional knowledge, skill, and behavior. Thus, the ten Generic Abilities that exemplify the professional behaviors valued by the physical therapy profession will be used as a guide throughout this program. To facilitate development of competency in the Generic Abilities, the faculty will provide the students opportunities to practice them and provide formal and informal feedback throughout the program. The student will be responsible for ongoing self-assessment and for seeking feedback from faculty, clinical instructors, and fellow students.

Students' progress through the program is based upon successful completion of expected competencies and demonstration of expected professional behavior and attitudes. At the completion of each trimester/year of the program, before the student is allowed to progress to the next trimester/year, the student's record of achievement is reviewed by the faculty. The quality of professional behavior expected of Western University DPT graduates is exemplified by the Generic Abilities and the three levels of associated behavioral criteria. Satisfactory progress is demonstrated by exhibiting beginning-

level criteria by the end of the first year, developing-level criteria by the end of the second year, and entry-level criteria by the end of the final clinical internship.

The faculty determines if the student has demonstrated the knowledge, skills, and attitudes necessary to be eligible for progress for the next trimester/year. In special instances, the faculty may be convened at other than scheduled times to consider cases of unusual circumstances, such as probation or dismissal.

- b. Attendance: Students are expected to attend all scheduled activities.

In the event of an absence or tardiness, it is the student's professional responsibility to notify the Department Secretary, who will inform the appropriate faculty. If an absence, lateness, or early departure is anticipated, it is considered a professional courtesy to discuss this with the appropriate course instructor(s) at the earliest possible date. It is expected that students will report unanticipated absences due to illness, accident, or unanticipated events immediately to the Department Secretary or Department Chair. Unanticipated lateness should be discussed with the course instructor as soon as possible.

The student is responsible for all course material covered during an absence. Should an absence, lateness, or early departure occur on the day of an examination or announced/unannounced quiz, any make-up exams or quizzes may or may not be allowed, at the discretion of the course instructor.

Excessive absences, tardiness, and/or early departures are considered a violation of the Standards of Professional Conduct and are handled under the General University Academic Policies and Regulations section of this catalog. Excessive or unexcused absences, tardiness, and/or early departures may impact the student's final course grade.

- c. Student Examination Policy

1. Students are not to communicate in any way during examinations and are to face the front of the classroom at all times.
2. During scheduled examination hours, students are highly discouraged from going to the bathroom, but will be allowed to go one at a time. The student will be required to turn in the exam and Scantron® sheet as he/she leaves the room.
3. Once a student finishes an exam, the student will turn in the exam and the Scantron® form to the proctor, and after he/she leaves the examination room, he/she will not be permitted to re-enter the room until the exam is declared over.
4. All students' belongings, i.e., notebooks, calculators, and headsets, etc., will be kept in front or along the sides of the room.
5. Questions will be answered at the discretion of the proctor during the examination period. Students are permitted to point out typographical or other errors present in the examination to the proctor.
6. Alternate seating shall be utilized for all examinations unless precluded by space availability.
7. Violations of these examination policies or of Standards of Professional Conduct may be brought before the Student Conduct Committee.

### **Student Conduct Committee**

- a. The Student Conduct Committee of the College of Allied Health Professions is comprised of elected and appointed faculty members, the Vice President of Student Affairs/designee, and the University Legal Counsel.
- b. Western University of Health Sciences expects all students to adhere to its Standards of Professional Conduct as published in the University Catalog. Any allegation(s) that a student has violated these standards may be referred to the Student Conduct Committee for Investigation.
- c. The Student Conduct Committee considers and investigates violations of professional conduct when requested either by the Dean of the College of Allied Health Professions or by a student.

### **Student Academic Progress Committee**

- a. The Student Academic Progress Committee of the College of Allied Health Professions is comprised of Department Chairs, the Vice President of Student Affairs/designee, and elected faculty members.
- b. Each year, the Student Academic Progress Committee shall review as needed the academic achievements and the performance of all students. The names and grades of students in academic difficulty shall be made available to the Student Academic Progress Committee by the Department Chair.

- c. After reviewing a student's achievement and performance records, the Student Academic Progress Committee may recommend to the Dean of the College of Allied Health Professions any of the following courses of action for a student: Promotion, probation, remediation, dismissal from the University, psychological and educational assessment and recommendation, or no action.
- d. The Student Academic Progress Committee also has the responsibility of recommending to the Faculty as a whole the awarding of the degree of Doctor of Physical Therapy upon satisfactory completion of all requirements for graduation as stated in the University Catalogue.
- e. All recommendations of the Student Academic Progress Committee shall be made in writing to the Dean of the College of Allied Health Professions, who will make a final decision and inform the student in writing.

### **Promotion**

Promotion is defined as progression from one academic year to the next.

- a. A student will be recommended to the Dean of the College of Allied Health Professions for promotion by the PT faculty and the Student Academic Progress Committee.
- b. A student may not be recommended for progression from one academic year to the next with any outstanding grades of "I," "U" or "NCR" on his/her academic record or with a cumulative grade point average of less than 2.8 for students who began matriculation in Fall 2009, and 2.7 for students who began matriculation in prior years.
- c. When considering a student for promotion, professional, ethical, and personal conduct may also be taken into consideration.
- d. A student will be promoted provided that all legal and financial requirements of the University as stated in the Catalogue have been satisfied.

### **Graduation**

A student will be recommended for the degree of Doctor of Physical Therapy provided he/she:

- a. Has satisfactorily completed a minimum of three years education at the University in the DPT curriculum, except if the student has been granted advanced standing in the program.
- b. Is not on probation and has completed all prescribed academic and clinical education requirements with a cumulative grade point average of at least 2.8 for students who began matriculation in Fall 2009, and 2.7 for those who began matriculation in prior years.
- c. Has no outstanding grade of "I" or "U," or "NCR" in a required course.
- d. Has demonstrated no serious deficiencies in ethical, professional, or personal conduct, as defined previously.
- e. Has complied with all the legal and financial requirements of the University as stated in the Catalogue.

Unless special permission has been granted by the President of the University, all students must attend in person and participate in the Commencement program at which time the degree is conferred. If the President grants special permission to be excused from graduation, the graduate may be required to present himself or herself to the appropriate Dean at a later date in order to take the required oath (if relevant) to receive his or her diploma.

### **Academic Warning**

The student who demonstrates unacceptable performance in any unit of study during any portion of the program is notified in writing of such performance by the course instructor, as soon as it becomes evident. This constitutes an academic warning. Continued poor academic performance can lead to academic probation and/or dismissal.

### **Academic Probation/Dismissal**

- a. Unsatisfactory or No Credit Course Grades  
"U" or "NCR" in any required course (didactic or clinical experience) constitutes a failing grade and places the student on academic probation. The student will be required to remediate or retake the course, based upon the decision of the Dean of the College of Allied Health Professions. The Student Academic Progress Committee will recommend to the Dean such an action after input from the department faculty. A grade of "U" or "NCR" in a required course will prevent participation in a clinical experience until the

course is successfully remediated, and requires that the Director of Clinical Education (DCE) determine an appropriate clinical placement.

- As in all cases in which remediation of a course is required, this requirement may extend the length of the program beyond 36 months.
  - The highest grade a student may achieve by obtaining a 73 percent or higher score through remediation of a course is a grade of “C” or “CR.” The “C” or “CR” grade achieved by this means will be recorded on the official transcript beneath the original course grade of “U” (Unsatisfactory) or “NCR” (No Credit).
  - Failure to earn a grade of “C” or “CR” when remediation of a course is attempted will render the student subject to dismissal from the program or require that the student repeat the entire course.
  - If a student repeats a course the next time the course is offered in the DPT curriculum, the student will have the new grade for the course recorded on the official transcript beneath the original course grade of “U” (Unsatisfactory) or “NCR” (No Credit).
  - If a student earns two “U’s” or “NCR’s” in the same academic year and has a cumulative GPA at or greater than 2.8 (2.7 for student who began matriculation prior to Fall 2009), he/she may be required to repeat the entire academic year.
- b. Trimester/Overall GPA
- Students must attain a trimester GPA of 2.8 for students who began matriculation in Fall 2009 or afterward and 2.7 for students who began matriculation in prior years and maintain an overall GPA of 2.8 for students who began matriculation in Fall 2009 or afterward and 2.7 for students who began matriculation in prior years. The trimester and overall GPA will be calculated at the end of each trimester.
  - A student whose trimester or overall GPA falls below 2.8 (2.7 for those who began matriculation prior to Fall 2009) must meet with the Department Chair and the DCE. In order to closely monitor clinical performance, the DCE will determine any subsequent clinical placements.
  - If the trimester or overall GPA falls below 2.8 (2.7 for students who began matriculation prior to Fall 2009), a student will be placed on academic probation immediately. Length of academic probation will be determined by the Dean of the College of Allied Health Professions.
  - If a student has two didactic trimesters in the same academic year with a GPA less than 2.8 (2.7 for students who began matriculation prior to Fall 2009) and a cumulative GPA at or greater than 2.8 (2.7 for students who began matriculation prior to Fall 2009), she/he may be required to repeat the entire academic year.
- c. A student will be subject to dismissal from the program for substandard academic or professional performance as follows:
- A third grade of “U” or “NCR” in three different required courses (didactic or clinical experiences);
  - A second grade of “U” or “NCR” in the same required course (didactic or clinical experiences) whether earned by repeating the course or as a result of unsatisfactory performance upon attempted remediation via examination.
  - Attainment of a trimester GPA less than 2.8 (2.7 for students who began matriculation prior to Fall 2009) for two consecutive didactic trimesters with a cumulative GPA of less than 2.8 (2.7 for students who began matriculation prior to Fall 2009).
  - Attainment of a trimester GPA less than 2.8 (2.7 for students who began matriculation prior to Fall 2009) in more than two consecutive didactic trimesters.
  - Failure to attain a cumulative GPA of 2.8 (2.7 for students who began matriculation prior to Fall 2009) or higher at the end of the academic year.
  - Lack of professional or personal attributes considered appropriate for continuance in the program and profession.
  - Any event that could result either in academic or professional probation for a student currently on academic or professional probation.
  - Violation of the terms of probation as stated in a letter at the time the student is placed on probation.

### **Remediation**

Every effort will be made to give each student ample opportunity to demonstrate competency in each area of the academic program. However, remediation is to be regarded as a privilege, which must be earned by a student through an active participation in the educational program as demonstrated by regular attendance, individual initiative, professional behaviors, and utilization of resources available to him or her. Except for

repeating the course in its entirety, the highest grade a student can receive through the remediation process is a “C” (passing grade). However, if the entire course is repeated the following year, the new course grade will be used in calculating the student’s cumulative GPA.

### **Tutorial Assistance Program**

A Tutorial Assistance Program (TAP) has been established at the University to assist students experiencing academic difficulty. Students will be recommended for this program by a faculty advisor or professor. The tutors will be chosen on the recommendation of the faculty of record for the class or Department Chair.

#### **General Procedures**

- a. The student may request a tutor by:
  1. contacting the course instructor and/or the Department Chair,
  2. contacting his/her advisor or,
  3. going directly to the Learning Enhancement and Academic Development (LEAD) Office.Student requests will be reviewed by the course instructor and/or the Department Chair. Upon approval, the student will be deemed eligible for services under TAP. Five hours per course is the maximum number of hours for which a student may be tutored per week.
- b. The course instructor may recommend that the student seek a tutor, based upon a poor performance on a single exam or poor cumulative score. Any time a student has received 73 percent or less on an exam, the student or course instructor may immediately request tutorial assistance for the student.
- c. The student’s advisor may recommend that the student seek a tutor, based upon any knowledge he or she may have about the student’s academic difficulty. In addition, the advisors will receive copies of letters from the Department Chair to students having academic difficulty.
- d. To initiate tutoring following a recommendation or student request for tutoring, the student follows these steps:
  1. The student obtains from the LEAD Office a list of names of tutors available for the course in which the student is having problems.
  2. The student is assigned a tutor by the LEAD Director from the list of available tutors.
  3. Once assigned, the tutor and tutee meet with the course instructor to discuss the student’s specific problems. The instructor should make some recommendations as to what areas the tutor should emphasize.
  4. The tutor and student arrange mutually agreeable times for the tutoring sessions.
  5. The tutor must have the course instructor sign the time sheet before it is turned in to the LEAD Office.

A student may obtain up to five hours of tutoring per course per week during the trimester. By example: A Year I DPT student may be tutored in Physiology and Medical Screening for a total of 10 hours per week during the trimester. Generally, tutoring begins after a student received grades at 73 percent or lower on an exam. The student may continue to be tutored for a course until he/she has obtained a B- (80%), or higher average grade for the course. As the student moves into trimester III, the student may qualify for up to 20 hours of tutorial assistance per week (4 courses).

### **Modified DPT Curriculum**

The DPT program offers a modified curriculum for students experiencing personal or documented health-related issues that can have an impact on academic performance. This modified program is a multi-year curriculum. The decision to enter the modified curriculum is a one time student option. Recommendation of individual students for the modified curriculum shall be made through the Dean of the College of Allied Health Professions (CAHP) upon recommendations from the Department of Physical Therapy Education faculty and the CAHP Student Academic Progress Committee. The student’s progress will be monitored carefully each trimester by the Department Chair, CAHP Student Academic Progress Committee, and the Dean of the CAHP.

### **Professional Probation**

Violations of the Standard of Professional Conduct will be dealt with as described under the General University Academic Policies and Regulations of this catalog. The College Student Conduct Committee will investigate and offer recommended actions to the Dean regarding allegations of student misconduct, when requested by the Dean of the College of Allied Health Professions.

### Exemption from Individual Course

Students with advanced work or degrees in a particular subject formally may 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.

### Confidentiality of Medical Records and Health History Information

All data gathered about patients and their illnesses, including all items within patients' medical histories are privileged information.

- a. Students should not discuss patients' records in a manner or a situation that would reveal any information about these patients or their records to persons not involved in their health care.
- b. Charts or contents, e.g., lab reports, etc., are not to be removed from the hospital or clinical setting.

This also applies to individuals such as classmates, faculty and staff who volunteer as patients in class.

### Use of Physical Therapy Equipment and Laboratories

The DPTE policy for use of the PT equipment in the PT Skills Laboratories is as follows:

- No one is to use the PT equipment except DPT students who have received education and have had practice on the equipment in the laboratory.
- A faculty member must clear a student as being competent to use the equipment.
- DPT students using the equipment should be doing so in conjunction with a class they are taking, in preparation for a clinical experience, or to conduct a clinical research project.
- If equipment is used for a research project, the DPT faculty advisor will be responsible to check out the student's competency in using the equipment.
- Physical therapy skills and research labs may be used after regular class hours with permission of the Department Chair. Use of these facilities must be scheduled with the Department Chair five (5) working days in advance.
- Students may sign out specified equipment (i.e., goniometers) to use off campus for special events or personal practice. The Department Chair will approve what equipment may be taken out of the laboratory and off campus.

### Clinical Education Policies and Procedures

Students should refer to the current Department of Physical Therapy Education "Clinical Education Manual" for all policies and procedures governing physical therapy clinical education. If a difference in language is found between the two documents, the then current Western University Student Catalog will take precedent.

## CURRICULUM ORGANIZATION

The DPT curriculum is continually evaluated to assure the best educational experience and outcomes. With this consideration, the following is an outline of curriculum organization.

### Year I

Course number		Semester Hours
<u>Trimester I - 15 Weeks</u>		
PT 5000	Psychosocial Aspects of Health Care	2.5
PT 5029	Thoracic and Abdominal Anatomy/Histology	3
PT 5070	Patient Care Skills	3
PT 5075	Physical Agents & Procedures	4
PT 5100	Physiology and Pathophysiology	5
PT 5230	Medical Screening and Systems Review I	2
<i>Total</i>		<i>19.5</i>

Trimester II - 15 Weeks

PT 5030	Anatomy I	3
PT 5035	Anatomy II	3
PT 5050	Kinesiology I	3
PT 5055	Kinesiology II	4
PT 5120	Human Life Sequences	2
PT 5130	Research Methodology in Health Care	2
PT 5141	Clinical Education & Professional Development I	1
<i>Total</i>		<i>18</i>

Trimester III - 17 Weeks

PT 5015	Physical Therapy in the Health Care System	3
IPE 5100	Patient Centered Cases I	1
PT 5140	Research in Evidence Based Practice	2
PT 5200	Differential Diagnosis of Musculoskeletal Disorders	2
PT 5210	Evaluation and Treatment of Lower Quarter Musculoskeletal Dysfunction	6
PT 5220	Principles of Teaching and Learning	2
PT 5235	Medical Screening and Systems Review II	2
PT 7010	Clinical Education I	1.5
<i>Total</i>		<i>19.5</i>

**Year II**Trimester IV -15 Weeks

PT 5142	Clinical Education and Professional Development II	1
PT 5205	Evaluation and Treatment of Upper Quarter Musculoskeletal Dysfunction	6
IPE 6000	Patient Centered Cases II	1*
PT 6020	Principles of Electrotherapeutic Evaluation & Treatment	3
PT 6030	Physiology of Exercise	4
PT 6040	Evaluation & Treatment of the Cardiopulmonary System	4
PT 8100	Pharmacology for the Physical Therapist	3
<i>Total</i>		<i>22</i>

Trimester V - 12 Weeks

PT 7020	Clinical Education II	6
<i>Total</i>		<i>6</i>

Trimester VI - 16 Weeks

PT 6000	Neuroanatomy	4
PT 6005	Neurophysiology	4
PT 6010	Evaluation & Treatment of Neurological Disorders I	4
PT 6015	Differential Diagnosis of Neurological Disorders	4
PT 6060	Prosthetics, Orthotics and Gait	3
IPE 6100	Patient Centered Cases III	1*
PT 8110	Structural Imaging in Physical Therapy Diagnosis	3
<i>Total</i>		<i>23</i>

**Year III**

### Trimester VII - 15 Weeks

PT 5143	Clinical Education & Professional Development III	1
PT 6011	Evaluation & Treatment of Neurological Disorders II	4
PT 6045	Differential Diagnosis of the Integumentary System/Wound Care	3
PT 6050	Principles of Administration and Management	3
PT 6070	Prevention and Management of Problems in the Aging Adult	3
PT 6075	Prevention and Management of Problems in the Pediatric Patient	3
PT 6220	Application of Research to Clinical Practice	1
PT 8400	Research Investigation (optional)	0-2
	<i>Total</i>	<i>18-20</i>

\*For students beginning the DPT program in the 2009-2010 academic year only.

### Trimester VIII - 18 Weeks

PT 7030	Clinical Internship I	6
PT 8500	Selected Topics	2-4
	<i>Total</i>	<i>8-10</i>

### Trimester IX - 12 Weeks

PT 7040	Clinical Internship II	6
	<i>Total</i>	<i>6</i>

Graduation - Total Semester Hours 140-144

## **DESCRIPTION OF THE DPT PROGRAM FOR STUDENTS WITH ADVANCED STANDING**

### **ADMISSIONS POLICIES AND PROCEDURES – ADVANCED STANDING**

Admission to the DPT program for students with advanced standing is through the Admissions Office. Students may apply for the fall, spring or summer trimesters.

#### **Application Requirements**

The applicant must have graduated from a Commission on Accreditation in Physical Therapy Education (CAPTE) accredited physical therapy program and/or be licensed to practice in the United States. Foreign-prepared therapists must be licensed to practice physical therapy in the State of California. Additional requirements include:

- A minimum of one year (2000 hours) clinical experience in any setting.
- Letters of recommendation (three with at least one from a PT supervisor/colleague; remaining letters may be from non-PT health care professionals).
- Writing sample including why the applicant desires to pursue this degree and what he/she will plan to accomplish with it; i.e., a statement of purpose.
- Computer access and skills.

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

Note: Western University DPT 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 trimester in which they wish to begin their program of studies. The deadline for application materials is no later than 45 days prior to the first day of classes for each trimester.

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

Office of Admissions  
Western University of Health Sciences  
309 East Second Street  
Pomona, CA 91766-1854  
(909) 469-5335

In addition to submitting an application, the applicant must submit a non-refundable application fee of \$60 and official transcripts from all undergraduate and graduate institutions attended.

### **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 if sufficient evidence is provided to demonstrate fulfillment of competencies and program outcomes in specified areas.

### **Readmission**

Students with advanced 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.

### **Curriculum Design and Organization**

The DPT program for students with advanced 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 trimester. 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.

An 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 trimester, depending on the individual courses enrolled in during that trimester. At least two weekend seminar classes are held for each course. Weekend classes may be held Friday afternoon through Saturday, all day Saturday only, or Saturday morning through Sunday afternoon. 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 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).

## Registration Policies and Procedures

### New Students in Advanced Standing

New students admitted with advanced standing are notified by mail of their admission status. Classes may fill quickly; therefore, the student is encouraged to register early. Course information and schedule of classes are available from the Department of Physical Therapy Education office.

### Continuing Students in Advanced Standing

Continuing students will receive registration information and materials by Western University e-mail prior to the beginning of the trimester. Should this information not arrive for any reason, it is the student's responsibility to contact the Department of Physical Therapy Education for the appropriate materials. Classes may fill quickly; therefore, the student is encouraged to register early. The deadline for course registration is set by the Department Chair and is usually two weeks prior to the start of class. A late registration fee will be assessed for each day beyond the deadline.

### Add/Drop and Withdrawal from Courses

In order to add or drop a class, the student must obtain a Change of Registration form from the Department Chair, complete and submit it prior to the end of the second week of classes of that trimester. Withdrawal from a course (not the program) after the second week and prior to the last day of class requires completion and submission of the appropriate withdrawal from obtained from the Department Chair. Please note that this will result in a "W" grade.

### Tuition and Fees

Tuition and Fees for the 2009-2010 academic year (subject to change) for students admitted with Advanced Standing are as follow:

Tuition	
\$345	cost per credit unit
Other Fees	
\$60	application fee
\$30	(per day) Late registration fee

Tuition and fees are subject to change without notice upon approval by the Board of Trustees. All fees are mandatory for each student and are non-refundable. Obligation for payment in full of tuition and fees is due upon matriculation.

### Computer Requirements

The following is a list of minimum computer equipment necessary for the Web-based program:

- At least 500 MHz Intel Celeron, Pentium III or AMD K6-2 Processor
- Windows 98, 2000 or Windows XP operating system
- 12.1" Active Matrix Display (15" recommended)
- 8 MB RAM video (16 MB RAM preferred)
- 192 MB RAM system memory (256 MB RAM or higher recommended)
- 10 GB free space on hard drive (20 GB preferred)
- 1.44 MB, 3.5" Internal or External floppy drive
- CD-ROM (CD-RW (read and write) recommended)
- Microsoft Office 2000 (Word, PowerPoint, Excel, and Outlook); Internet Explorer 5.0, Norton Antivirus, Windows Media Player 6.4 or higher
- 56K modem
- 16-bit sound card and speakers
- Internet Service Provider (ISP) and e-mail account (dedicated telephone line recommended)
- Printer

### Academic Requirements

Unless otherwise stipulated in this section, all other Academic Requirements of the DPT program must also be met (**see above**).

### **Course Load/Financial Aid**

A student with advanced standing at Western University must enroll in at least six units per term to be considered full-time. It is expected that students with advanced standing in the DPT program will be enrolled less than full-time, i.e., one course per trimester. To be eligible for financial aid, a student must be enrolled at least half-time (four units) per semester.

### **Student's Rights and Responsibilities**

It is the responsibility of the student to be familiar with the contents of the catalog and to observe all policies and procedures relative to the completion of requirements for the graduate degree that were in effect at the time of initial enrollment in the DPT program.

A student may opt to complete the program of study and degree requirements described at the time of his or her graduation, provided all revised policies of the later catalog are followed. Students are required to keep the Registrar informed of their current address and telephone number. This may be done via the Ban Web online student records system.

### **Reasonable Academic Progress**

All students with advanced standing are expected to make reasonable progress each year toward the degree objective. Students with advanced standing are considered to be making reasonable academic progress when they maintain an overall GPA of at least 2.8 (2.7 for students who began matriculation prior to Fall 2009) and complete four to six units during the calendar year. Students must complete the graduation requirements within the time limits described under Time Limits (below).

### **Seminar Weekend Attendance for Web-based Courses**

Attendance is mandatory for all seminars. Dates of the weekend seminar program are published and distributed at the beginning of each trimester. 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 Academic Progress Committee (SAPC). SAPC 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.

### **Curriculum Organization for Students with Advanced Standing**

Students must meet all the requirements for the DPT program as listed in the previous section. Credit will 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:

PT 5130	Research Methodology in Health Care	2 units
PT 5140	Research in Evidence-based Practice	2 units
PT 6220	Application of Research to Clinical Practice	1 unit
PT 6600	Strategies for Successful Learning	0 units
PT 8100	Pharmacology for the Physical Therapist	3 units
PT 8110	Structural Imaging in Physical Therapy Diagnosis	3 units
PT 8120	Medical Screening & Systems Review	4 units
PT 8130	Advanced Differential Diagnosis I	2 units
PT 8133	Advanced Differential Diagnosis II	2 units
PT 8135	Advanced Differential Diagnosis III	2 units
	<b>Total:</b>	<b>22 units</b>

### **Additional Courses**

PT 8200	Professional Leadership and Ethics	2 units
PT 8210	Documentation and Health Care Financing	2 units
PT 8230	Wellness & Prevention/Community Education	3 units
PT 8698	Group Independent Studies	1-3 units
PT 8699	Individual Independent Studies	1-3 units

These additional courses have been specifically designed for students with advanced 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 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.

### **Residency Requirements**

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

### **Time Limits**

The DPT program for students with advanced standing may be completed within 2 ½ years of part-time study. All requirements for the degree must be fulfilled within five years from the date of acceptance to the program. Extensions of this time limit may be granted through petition to the faculty and Department Chair.

## **COURSE DESCRIPTIONS AND CREDIT HOURS**

All courses are awarded letter grades, except when indicated otherwise. Prerequisite course requirements refer to the satisfactory completion of a designated course(s) or approval/permission of the individual course instructor prior to enrollment. A student may petition the faculty in writing if they wish to be considered for advancement without satisfactorily meeting the course prerequisite(s). The faculty may waive compliance of satisfactory completion of a course prerequisite in order to progress to the next required course(s).

### **PT 5000 Psychosocial Aspects of Health Care (2.5 credit hours)**

Prerequisite: Acceptance to program. Introduction to the psychological and sociological effects of acute, chronic, terminal, traumatic and congenital medical problems on the patient, family and therapist; communication skills including interviews, verbal and non-verbal communication. Includes discussion of ethical issues in health care.

### **PT 5015 Physical Therapy in the Health Care System (3 credit hours)**

Prerequisite: Acceptance to program. Emphasis on concepts presented in the *Guide to Physical Therapist Practice* and the APTA Code of Ethics. Includes a broad perspective of world, national and state health care factors, legal aspects of physical therapy practice, and documentation and reimbursement in a variety of practice settings.

### **PT 5029 Thoracic and Abdominal Anatomy/Histology (3 credit hours)**

Prerequisite: Acceptance to the program. The course studies the anatomy of the thoracic wall, pleura, lungs, pericardium, heart, mediastinum, abdominal wall, gastrointestinal tract viscera, and urinary tract viscera. Also included are associated structures such as the nerves and vessels of the thorax and abdomen. Cadaver dissection is included. This course is also designed to elucidate cell structure, cell function, cellular interactions with the environment, and the four tissue types of histology. Additional topics include chemical composition of the body, cell structure, cellular organelles, epithelial tissue, connective tissue, muscle tissue, and nervous tissue. Points of emphasis will include how the cell interacts with the environment and specific examples of tissue types particularly relevant to the physical therapist. Lecture and Laboratory.

### **PT 5030 Anatomy I (3 credit hours)**

Prerequisite: PT 5029. The course studies the anatomy of the upper limb's skeletal system, muscular system, nervous system, and vascular system. Also included is the anatomy of the back, pelvic wall, urinary system, reproductive system, and gastrointestinal tract. Cadaver dissection is included. Lecture and Laboratory.

### **PT 5035 Anatomy II (3 credit hours)**

Prerequisite: PT 5030. The course studies the anatomy of the lower limb's skeletal system, muscular system, nervous system, and vascular system. Also included is the anatomy of the head and neck's skeletal,

muscular, nervous, and vascular systems. The viscera of the head and neck is also studied. Cadaver dissection is included. Lecture and Laboratory.

**PT 5050 Kinesiology I (3 credit hours)**

Prerequisites: PT 5029 and concurrent enrollment in PT 5030. This course offers an introduction to the theoretical principles and clinical applications of kinetics and kinematics to the axial and upper extremity joints and muscles. The course emphasizes 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 (4 credit hours)**

Prerequisites: PT 5029, 5030 and 5050 and concurrent enrollment in PT 5035. The course offers an introduction to the theoretical principles and clinical applications of kinetics and kinematics to the axial and lower extremity joints and muscles. The course emphasizes 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 5070 Patient Care Skills (3 credit hours)**

Prerequisite: Acceptance to program. Introduction to the physical therapy skills of bed mobility, range of motion, monitoring of physiological responses, transfers, gait training, and selection and management of wheelchairs and cushions. Includes medical terminology and acute care skills. Lecture and Laboratory.

**PT 5075 Physical Agents and Procedures (4 credit hours)**

Prerequisite: Acceptance to program. Students will learn cellular and systemic response to injury, basic assessment of impairments, principles of thermal, mechanical, and electromagnetic agents, basic exercise, and soft tissue procedures, including indications and contraindications. They will learn to apply standard precautions in effective, evidence-based intervention for common impairments. Interventions will include relaxation training, basic movement, soft tissue procedures, heat and cold modalities, ultrasound, hydrotherapy, and electromagnetic agents. Lecture and Laboratory.

**IPE 5100 Patient Centered Cases I– An Interprofessional Approach (1 credit hour)**

Prerequisite: Acceptance to the program. This course is a required university seminar for all first year health professional students. This course prepares students to practice health care services through a team approach. Working in small interprofessional teams, students will explore cases representing conditions across the life span. The cases will integrate elements common to all professionals such as ethical, behavioral, social and psychological issues. This course is a graduate requirement for all health professional programs.

**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. Topics covered include homeostasis and cellular transport, endocrine and neural signaling, muscle physiology, energy metabolism, body defenses, hemostasis, and cardiovascular, respiratory and renal physiology. The course is also designed to elucidate the characteristics and pathophysiology of certain common and significant diseases that are encountered by physical therapists.

**PT 5120 Human Life Sequences (2 credit hours)**

Prerequisite: PT 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.

**PT 5130 Research Methodology in Health Care (2 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.

Students will work on group or individual projects that include a critical appraisal of the literature and development of a research proposal for a pilot study. This course may be offered on-line.

**PT 5140 Research Evidence-based Practice (2 credit hours)**

Prerequisite: PT 5130 or equivalent. Application of research methods to clinical studies. Examines the methods used for the objective and systematic study and evaluation of clinical practices.

**PT 5141 Clinical Education and Professional Development I (1 credit hour)**

Prerequisite: Acceptance to program. This course will offer an introduction to clinical education in physical therapy to include an overview of the APTA guidelines for clinical education, legal aspects of clinical education, learning styles, stress management techniques, and professional development through reflective practice and self assessment. Scheduling and assignment for Clinical Education I will also be incorporated herein. CR/NCR.

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

Prerequisite: PT 5141. This course will continue from PT 5141 on various aspects of clinical education and professional development, including expectations of clinical performance by the Clinical Instructor, communication and interviewing skills, elements of professional practice, assertiveness training, use of feedback, and utilization of the evaluation tool. Scheduling and assignment for Clinical Education II will also be incorporated herein. CR/NCR.

**PT 5143 Clinical Education and Professional Development III (1 credit hour)**

Prerequisites: PT 5141, 5142. This course will continue from PT 5142 on various aspects of clinical education and professional development including issues of conflict management, new graduate employment opportunities and the licensure process, transition to becoming a Clinical Instructor, and facilitation of interpersonal and communication skills. Scheduling and assignment for Clinical Internships I and II will also be incorporated herein. CR/NCR.

**PT 5200 Differential Diagnosis of Musculoskeletal Disorders (2 credit hours)**

Prerequisite: PT 5029, 5030, 5035, 5050, 5055, 5075, 5100, 5230. This course has two major sections: 1) foundational concepts for diagnosis and treatment decision making; 2) regional topics on clinical pathology with specific regional applications of physical therapy diagnosis and treatment problem-solving. Topics include lumbar spine, pelvis, hip, knee and ankle, post-operative care, fracture-related care, and multiple region problems. The course applies a mixed traditional, team-based and problem-based approaches to learning. Discussions about the key clinical pathologies, epidemiology, etiology, and medical management provide the foundational concepts for clinical decision making. These concepts, as well as examination and treatment findings, are based on the major musculoskeletal practice patterns described in the *Guide to Physical Therapist Practice, 2<sup>nd</sup> ed., Revised*. Using the case study context, students learn to differentiate between musculoskeletal conditions and rule out problems outside the scope of physical therapy practice.

**PT 5205 Evaluation and Treatment of Upper Quarter Musculoskeletal Dysfunction (6 credit hours)**

Prerequisites: PT 5015, 5030, 5035, 5050, 5055, 5070, 5075, 5100, 5200, 5210, 5230, 5235. Evaluation and treatment of cranio-facial region, cervical spine, upper extremity, and upper trunk musculoskeletal problems using a regional approach. Content includes subjective interview, physical examination, treatment and documentation of specific problems of the hand, wrist and forearm, elbow, shoulder and scapula, thoracic and cervical spine, and head. Foundational content from PT 5210 including the framework for subjective and objective examinations, assessment, and treatment of patients, is applied to upper quarter body regions. Common single and multi-region problems also covered. Lecture and Laboratory.

**PT 5210 Evaluation and Treatment of Lower Quarter Musculoskeletal Dysfunction (6 credit hours)**

Prerequisites: PT 5030, 5035, 5050, 5055, 5070, 5075, 5100, 5230, and concurrent enrollment in PT 5015, 5200, 5235. Evaluation and treatment of neuromusculoskeletal problems of the lower extremity and lower trunk using a regional approach. Included topics: foundational concepts necessary for evaluation and treatment of neuromusculoskeletal problems, such as principles and practice of muscle strengthening, muscle endurance, muscle stretching, soft tissue mobilization, joint mobilization, and PNF. Other foundational content includes the framework for the subjective (interview) and objective (physical) examination of patients, including

assessment and treatment. Framework is then applied using problem-solving and evidenced-based approach by region, individually and in combination, to the lumbar spine, sacroiliac joints and pelvis, hip, knee, ankle, and foot. Common single and multi-region problems are also covered, including pathological gait. The course will consist of lecture, discussion, demonstration and laboratory sessions.

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

Prerequisites: Acceptance to the program. Teaching-learning theory applied to clinical practice with patients and their families, peers, and students. Teaching techniques provided for successful audience learning in a variety of settings and towards a diverse group is a focus of the course.

**PT 5230 Medical Screening & Systems Review I (2 credit hours)**

Prerequisite: Acceptance to the program. This course provides an introduction of pharmacodynamics and key lab values and their importance in PT decision making. The course covers general medical conditions and their epidemiology, etiology, clinical manifestations, medical management, and issues related to PT examination, screening, and intervention.

**PT 5235 Medical Screening & Systems Review II (2 credit hours)**

Prerequisite: PT 5230. Continuation of PT5230. 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. Lecture and laboratory.

**IPE 6000 Patient Centered Cases II– An Interprofessional Approach (1 credit hour)**

Continuation of IPE 5100.

**PT 6000 Neuroanatomy (4 credit hours)**

Prerequisite: pt 5029, 5030, 5035. This course is a survey of the major nuclei, tracts, and systems that comprise the central nervous system (CNS). Important aspects of this course are the three-dimensional relationships, connectivity, function and deficits after injury to the CNS.

**PT 6005 Neurophysiology (4 credit hours)**

Prerequisite: PT5100. This course will examine the cellular and molecular features of human neurophysiology in the normal central and peripheral nervous systems. These features will be correlated with nervous system function and alterations related to injury.

**PT 6010 Evaluation and Treatment of Neurological Disorders I (4 credit hours)**

Prerequisite: PT 5050, 5055, 5205, 5210; concurrent enrollment in PT 6000, 6005, 6015. This course will introduce the student to the physical therapy management of patients with nervous system dysfunction, focusing on dysfunction as a result of a central nervous system (CNS) lesion. Lecture, laboratory, and hands-on assessment and treatment of individuals with CNS dysfunction will be employed. Emphasis will be placed upon patient evaluation and the development of appropriate treatment fundamentals.

**PT 6011 Evaluation and Treatment of Neurological Disorders II (4 credit hours)**

Prerequisite: PT 5070, 6010, 6015. This course will continue in the physical therapy management of patients with nervous system dysfunction, focusing on dysfunction as a result of a central nervous system (CNS) lesion. Lecture, laboratory, and hands-on assessment and treatment of individuals with CNS dysfunction will be employed. Emphasis will be placed upon patient evaluation and the development of appropriate treatment fundamentals.

**PT 6015 Differential Diagnosis of Neurological Disorders (4 credit hours)**

Prerequisites: PT 5230, 5235; concurrent enrollment in PT 6000, 6005, 6010. The purpose of this lecture course is to provide the student with a systematic review of peripheral and central nervous system clinical disorders. Emphasis will be on the pathophysiology and pathology, differential diagnosis, the use of clinical reasoning frameworks and disablement models, and prognosis of neurologic disorders most frequently encountered in physical therapy practice.

**PT 6020 Principles of Electrotherapeutic Evaluation and Treatment (3 credit hours)**

Prerequisites: PT 5015, 5040, 5050, 5055, 5070, 5075, 5200, 5210, 5230, 5235. Clinical, scientific, and theoretical evidence, and the practical clinical applications of electrotherapeutic strategies in the physical therapy management of dysfunction. Includes basic foundational concepts in electrical stimulation and electrophysics, neurophysiology, electrical safety and instrumentation, and electrotherapy terminology; the parameters of electrical stimulation; and the neurophysiological and biological responses to electrical stimulation. Covers treatment purposes including muscle strengthening and endurance, functional electrical stimulation, spasticity control, denervated muscle stimulation, pain control, circulation enhancement, edema control, tissue healing, and iontophoresis. Evaluation of appropriateness of using a given electrotherapy device for the different treatment purposes. Lecture and laboratory.

**PT 6030 Physiology of Exercise (4 credit hours)**

Prerequisites: PT 5050, 5055, 5100. This course addresses bioenergetics, basic nutrition principles, therapeutic exercise, and exercise prescription based upon the acute and chronic physiological responses of the human body during exercise and other special conditions. The physiological basis of therapeutic exercise is the foundation for this course, which includes both lecture and laboratory. Participation in all physical activities is voluntary, but participation through observation and contribution to discussions are both required as part of the course. Lecture and laboratory.

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

Prerequisites: PT 5050, 5055, 5100. 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. Lecture and laboratory.

**PT 6045 Differential Diagnosis of the Integumentary System/Wound Care (3 credit hours)**

Prerequisites: PT 5029, 5030, 5035, 5100. This course addresses the physiology of wound healing; pathology of integumentary systems disorders; differential diagnosis of wounds based on etiology; patient evaluation and wound tests and measures; as well as identification of factors that impede wound healing; medical and wound management including topical dressings, edema management, and biophysical technologies to facilitate the healing process. Lecture and laboratory; course may be offered on-line.

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

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

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

Prerequisite: Acceptance to program. Evaluation and application of prosthetic and orthotic devices to physical therapy clients. Evaluation of abnormal or pathological gait patterns. Lecture and laboratory.

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

Prerequisites: PT 5000 through 5120, 5200 through 5230, 6000 through 6040. Systematic, problem solving approach to the elderly patient/client with emphasis on prevention, etiology, clinical manifestations, evaluation, treatment and resources.

**PT 6075 Prevention and Management of Problems in the Pediatric Population (3 credit hours)**

Prerequisite: PT 5030, 5035, 5070, 5100, 5120, 6000, 6005 and 6010. Systematic, problem solving approach to the pediatric client with emphasis on prevention, etiology, clinical manifestations, evaluation and treatment. Lecture and laboratory.

**IPE 6100 Patient Centered Cases III– An Interprofessional Approach (1 credit hour)**

Continuation of IPE 6000.

**PT 6220 Application of Research to Clinical Practice (1 credit hour)**

Prerequisites: PT 5130 and 5140 or equivalent courses. Individual or group review of studies related to physical therapy. Includes evidence in the area of physical therapy administration and management. Students present on the research evidence and application to physical therapy practice.

**PT 6600 Strategies for Successful Learning (0 credit hours)**

Prerequisite: Acceptance to program. This course provides new students entering with advanced 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 trimester in the program. CR/NCR.

**PT 7010 Clinical Education I (1.5 credit hours)**

Prerequisite: Satisfactory completion of Trimesters I and II. Forty hours per week for three weeks under the direct supervision of a physical therapist serving as the clinical instructor. Application of course content in Trimesters I and II (see curriculum overview for details) will be emphasized in this clinical experience. CR/NCR.

**PT 7020 Clinical Education II (6 credit hours)**

Prerequisite: Satisfactory completion of Trimesters I through IV. 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 Trimesters I through IV (musculoskeletal and/or cardiopulmonary pathologies – see curriculum overview for details) will be emphasized in this clinical experience. CR/NCR.

**PT 7030 Clinical Internship I (6 credit hours)**

Prerequisite: Satisfactory completion of PT 5000 through 5075, 5100 through 5143, 5200 through 5235, 6000 through 6075, 6220, 7010-7020, 8100 through 8110, and 8500. 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 Trimesters I through VIII will be emphasized in this clinical experience. CR/NCR.

**PT 7040 Clinical Internship II (6 credit hours)**

Prerequisites: Satisfactory completion of PT 5000 through 5075, 5100 through 5143, 5200 through 5235, 6000 through 6075, 6220, 7010-7030, 8100 through 8110, and 8500. 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 Trimesters I through VIII will be emphasized in this clinical experience. CR/NCR.

**PT 8100 Pharmacology for the Physical Therapist (3 credit hours)**

Prerequisite: PT 5100, 5230, 5235 or equivalent courses. Basic and applied pharmacology for the physical therapist. Includes the effects of pharmacotherapy on the health and well being of patients.

**PT 8110 Structural Imaging in Physical Therapy Diagnosis (3 credit hours)**

Prerequisite: PT 5030, 5035, 5050, 5055, 5100, 5230, 5235. This course will familiarize the DPT student with the indication, instrumentation, and clinical interpretation of orthopedic imaging techniques, including plain film x-ray, magnetic resonance, computerized tomography, and radioisotope imaging. Selection protocols for each will be discussed to acquaint the student with advantages and disadvantages of each method and what type of information each technique best presents. This course will focus on the clinical interpretation and practical integration of imaging data into rehabilitation regimen design and communication with other medical professionals. Course may be offered online.

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

Prerequisite: Acceptance to the program as a student with advanced 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: PT 8120 and 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: PT 8120 and 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: PT 8120 and licensed physical therapist with at least one year of clinical experience. This course emphasizes skill development in the physical therapy diagnosis of the adult with a neuromuscular disorder. The process of identifying the cause of functional limitations, which can be addressed by physical therapy intervention, will be emphasized. This will include skills in evaluating, treating and documenting impairments, as well as analyzing the relationship between impairments and functional movement. This course will also include a review of the common impairments for select neurological pathologies and current information from the motor control and motor learning literature, which may influence intervention strategies.

**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 Research Investigation (0-2 credit hours)**

Prerequisites: PT 5130, 5140, 6200. Students have the option to carry out the proposal developed in PT 6220 Application of Research to Clinical Practice under the supervision of faculty or senior investigator. Final project includes write-up of results in journal format. CR/NCR.

**PT 8500 Selected Topics (2-4 credit hours)**

Prerequisite: Approval of instructor. Special topics in physical therapy presented in workshop format. Laboratory experiences may be included. Students, subject to faculty approval, have the option to complete a specialized four week clinical experience in lieu of some coursework. CR/NCR.

**PT 8698 Group Independent Studies (1-3 units)**

Prerequisite: Acceptance to program as a student with advanced 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 as a student with advanced standing. 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.

**HONORS AND AWARDS**

The following awards are presented to PT students annually on Honors Day:

- The President's Society Award
- The Joseph & Dorothy Gendron Journalism Award
- Linda Fox Memorial Endowment Fund Award
- Arthur Madorsky, MD Memorial Scholarship Award
- Physical Therapy Student Recognition Award
- Physical Therapy Class Award
- Elizabeth A. Rogers Chairperson's Award
- Rebecca E. Pabst Memorial Scholarship Award
- Dean's Award
- The National Dean's List Nominations
- Who's Who Among Students in American Universities and Colleges Nominations

The following awards are presented at graduation:

- Alumni Memorial Award
- Physical Therapy Faculty Award
- Physical Therapy Outstanding Clinical Performance Award
- Physical Therapy Outstanding Service Award
- Physical Therapy Academic Achievement Award
- The Bertha Oliver Memorial Award
- Future Physical Therapist Educator Award
- Leadership and Service Award
- Alumni Award
- Dean's Award

**DPT Program**  
**ACADEMIC CALENDAR**  
 2009-10 Academic Year  
 (subject to change)

Friday, Jul. 3, 2009  
 Independence Day Observed- No Classes

Thursday, Aug. 6 – Saturday, Aug. 8, 2009  
 Orientation, DPT '12

Saturday, Aug. 8, 2009  
 Convocation, DPT '12

Monday, Aug. 31, 2009  
 DPT '12 Trimester I begins  
 DPT '11 Trimester IV Begins  
 DPT '10 Trimester VII Begins

Monday, Sept. 7, 2009  
 Labor Day Holiday - No classes

Monday, Oct. 12, 2009  
 Columbus Day - No classes

Thursday, Nov. 25-Nov. 29, 2009  
 Thanksgiving Break - No classes

Monday, Nov. 30, 2009  
 Classes Resume

Friday, Dec. 11, 2009  
 DPT '12 Trimester I ends  
 DPT '11 Trimester IV ends  
 DPT '10 Trimester VII ends

Monday, December 14, 2009  
 Winter Break Begins

Monday, Jan. 4, 2010  
 DPT '12 Trimester II Begins  
 DPT '11 Trimester V Begins  
 DPT '10 Trimester VIII Begins

Monday, Jan. 18, 2010  
 Martin Luther King Day – No Classes

Monday, Feb. 15, 2010  
 President's Day – No Classes

Monday, Mar. 15, 2010  
 Spring Break Begins

Monday, Mar. 22, 2010  
 Classes Resume

Friday, Mar. 26, 2010  
 DPT '11 Trimester V Ends

Friday, Apr. 16, 2010  
 DPT '12 Trimester II Ends

Monday, Apr. 19, 2010  
 DPT '11 Trimester VI Begins

Monday, April 26, 2010  
 DPT '12 Trimester III Begins

Friday, May 7, 2010  
 DPT '10 Trimester VIII Ends

Thursday, May 20, 2010  
 DPT '10 Commencement

Tuesday, May 24, 2010  
 DPT '10 Trimester IX Begins

Monday, May 31, 2010  
 Memorial Day – No Classes

Friday, July 5, 2010  
 Independence Day Observed-No Classes

Friday, Aug. 6, 2010  
 DPT '11 Trimester VI Ends

Friday, Aug. 13, 2010  
 DPT '10 Trimester IX Ends

Friday, Aug. 20, 2010  
 DPT '12 Trimester III Ends