

College of Science and Mathematics

Doctor of Physical Therapy

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<http://www.sbuniv.edu/pt>

Calendar

Fall 2011

August

18-19Reg./Orientation-first-year DPT students

22Classes begin

September

5 Labor Day-No Classes

October

1 Applications accepted for entry-level DPT

November

19-27 Thanksgiving Break

December

13-16 Final examinations

17 Christmas Break begin

Spring 2012

January

2 DPT Classes start-Jan term

23 DPT Classes start-Spring term

March

17-25 Spring Break

April

1DPT 1, 2 & 3 Portfolios Due

1 High School Early Acceptance applications
due for high school graduating class of 2012

May

15-18. Final examinations/Clin. Educ. Debriefing

29 Summer classes begin (tentative)

Entry-Level DPT Program History and Accreditation Status

The entry-level Doctor of Physical Therapy program at Southwest Baptist University prepares students for careers in physical therapy through the development of knowledge and skills needed for patient management, education, consultation, and clinical research. The entry-level program at Southwest Baptist University is accredited by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association, 1111 North Fairfax Street, Alexandria, VA 22314, accreditation@apta.org, (703) 684-2782 or (703) 706-3245. The entry-level DPT is also accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools, 30 North LaSalle Street, Suite 2400, Chicago, Illinois 60602-2504, www.ncahigherlearningcommission.org, (312) 263-0456 or (800) 621-7440.

Program Mission Statement *(rev. 11.17.04)*

Our Healing Mission: The physical therapy department at Southwest Baptist University is dedicated to providing society with physical therapists who engage in the art and science of physical therapy with a Christian worldview. The graduate will be a clinician generalist who is prepared to provide physical therapy services for a diverse population in an evolving society and health care environment.

Program Goals *(est. 11.17.04)*

A SBU Doctor of Physical Therapy graduate will be able to:

- 1) Integrate the Christian worldview into the practice of physical therapy.
- 2) Engage in the professional practice expectations on a diverse patient and client population throughout the lifespan.
- 3) Educate and communicate with appropriate stakeholders in the health care environment.
- 4) Serve the profession and society to promote and improve evolving health care delivery.
- 5) Reflectively practice the art and science of physical therapy by critically evaluating, integrating, and contributing to the expanding professional knowledge base.
- 6) Formulate a plan for life-long learning coupled with professional, personal, and spiritual growth.

Assessment

Periodic measurements of student perceptions, intellectual growth, clinical performance, and professional behaviors development are obtained as one means for the University to assess and improve its academic programs and student learning. The information obtained is used to measure and develop student competencies and to determine and improve the quality of the educational experience for students. Students are required to compile and maintain a formal learning portfolio by which the student demonstrates progress towards and achievement of the established program goals by the end of the final year of the curriculum. Students also must successfully pass an annual comprehensive examination for successful matriculation.

Admission to the Physical Therapy Program

Physical Therapy Requirements

The following requirements must be met by an applicant before being admitted unconditionally to the physical therapy program:

1. Completion of a Baccalaureate degree from a Regionally Accredited Institution.
2. Completion of all prerequisite courses with a minimum of a C and a 3.00 GPA in prerequisite courses. Prerequisite courses should not be taken P/F.
3. Earn a minimum of 2.75 overall grade point average (for all previous course work or highest degree attained), **or** 3.00 overall grade point average in last 60 hours taken.
4. Completion of the PT application packet.
5. Documented experience/observation in physical therapy. Up to 40 hours will be counted. Variety of experience is recommended.
6. Completion of the Graduate Record Exam.

Applications not meeting the minimum GPA (either prerequisite or overall or both) will be scored and ranked for an alternate pool to be considered for conditional enrollment after all unconditional applications have been exhausted on a space available basis. Individuals requesting conditional enrollment are encouraged to meet with a physical therapy advisor and/or graduate admissions coordinator prior to application.

International Students

Official records of all higher education, including certificates or degrees with the dates the degrees were conferred must be submitted. All records not in English must be accompanied by an official translated record. All records should show the individual subjects studied and the grades received in each subject. International applicants are required to submit proof of adequate finances for the entire period of study before admission can be granted. Eligible applicants whose native language is not English must take the Test of English as a Foreign Language (TOEFL) and attain a score of at least 550.

Prerequisite Courses

Biology

Required: general biology (at SBU: BIO 1004), anatomy and physiology - one semester each or full year combined sequence with lab (at SBU: BIO 2204, 3304).

Highly recommended: pathophysiology (at SBU: BIO 4404)

General Chemistry

2 semesters each with lab (at SBU: CHE 1115, 1125), 8-hour minimum expected in sequence.

Note: chemistry may have a math prerequisite.

General Physics

2 semesters each with lab (at SBU: PHY 1115, 1125), 8-hour minimum expected in sequence.

Note: physics may have a math prerequisite.

Statistics

one course (at SBU: PSY 3243 *or* MAT 3343 *or* BUS 2023).

Psychology

any two psychology courses (excluding psychological statistics).

Prerequisite science classes must be current. Completion of each course sequence must be within seven years prior to admission to the PT program. Exceptions may be granted only if the applicant can show that knowledge of the course content is current. Applicants seeking an exception must submit a written petition with rationale for approval.

The policy for repeat grades as found in the Southwest Baptist University catalog will be followed. The grade for the repeated course will be used in computing GPA. *The grade for any science courses repeated due to the seven year rule will be substituted for the old class regardless of the first grade earned.*

General Admission Process

Applicants must apply to the Physical Therapy Program. Students must complete the courses required for entry into the program and complete a Baccalaureate Degree in another field prior to admission to the Physical Therapy Program. Students may have

courses in progress in the Spring or Summer semester prior to enrolling in the physical therapy program but all requirements must be completed prior to enrollment. Important admission dates include the following:

October 1:
August:

Begin receiving and reviewing applications.

New physical therapy entry-level DPT class begins. Students accepted into the entry-level program in physical therapy will be enrolled full-time in professional graduate courses for 33 consecutive months to finish with a Doctor of Physical Therapy degree.

Admission to the University does not guarantee admission into the graduate physical therapy program. Application priority points will be given to SBU undergraduate students and recognized undergraduate articulation school students.

Ranking of applications will consider criteria including as established by the core faculty as follows:

- prerequisite grade point average (30%),
- overall grade point average (8%),
- references (15%),
- observation experience (4%),
- written essay/narrative (5%),
- preferred attendance (8%),
- graduate record exam (30%)

Applicants are strongly encouraged to communicate frequently with the Graduate Admissions Coordinator and schedule an individual visit to campus. Starting with the initial review date, applications will be acted upon on a rolling basis and designated into one of the following categories with appropriate notification to the applicant:

- 1) selected for unconditional admission into the program (*i.e. met all admission criteria*);
- 2) selected for unconditional admission into the program contingent upon outstanding action items (*i.e. has currently met most admission criteria with the exception of a few items, which in the opinion of the committee will not make a major negative impact upon the overall status of the application. Outstanding items must be successfully completed prior to admission in program*);
- 3) selected for an alternate list including but not limited to conditional enrollment status (*i.e. the applicant failed to meet the established minimum GPA standards and is then scored and ranked in the applicant alternate pool. It is expected that beginning on or close to March 1 of each year, after the unconditional applicant pool has been exhausted, that applicants from the alternate pool will be considered for admission to the program*); or
- 4) held for subsequent review pending the submission of further requested or outstanding material.
- 5) denied admissions.

Medical Terminology is a required element once admitted to the program of study. Students demonstrating successful completion of a Medical Terminology course with a letter grade of "C" or better will be exempt from completing the Medical Terminology component of the DPT program.

In some cases, college credit is given for coursework (e.g., CLEP, Advanced Placement) and an actual grade is not recorded. Credit will be given if needed to meet an admissions requirement; however, if no transcribed grade can be produced, it will be omitted from GPA calculations.

High School Early Acceptance Program

High School Senior students with 24 ACT (or equivalent SAT) scores or higher are eligible to apply on a competitive basis for early conditional acceptance into the physical therapy program. High school students (or freshman with less than 30 credit hours completed), should contact the PT department for an application for early conditional acceptance.

Applications should be submitted to the department on or before the first of April prior to Fall freshman enrollment at SBU to ensure consideration. Notifications will be sent early in the summer for those receiving the award. A maximum of 10 awards will be given during any one academic year. If the 10 slots are not filled during the first selection cycle, a late cycle pool will be considered during February of the student's freshman year. If slots are not filled for any one academic year, they will not roll over or be extended.

Once a student is accepted into the HSEA program, the student is expected to enroll immediately and begin taking a full time course load at SBU. All undergraduate classes must be taken at SBU. HSEA students must confirm their intent to matriculate into and pay the appropriate deposit for the professional phase of the program by the end of January in their intended enrollment year. Currently, the DPT program utilizes PTCAS (www.PTCAS.org) as a centralized application data base and all students applying to the program must complete this process with associated fees. For HSEA students, submitting the PTCAS application signals your intent to matriculate into the DPT program.

Students earning this conditional acceptance must meet the following standards to enter the professional phase of program:

- Submit a current overall graduate program application (*PTCAS currently utilized*)
- Earn an overall GPA of 3.00 and a prerequisite GPA of 3.25
- Document 40 hours of observation or work hours in physical therapy
- Participate in 50 hours of community service
- Complete the bachelor's degree in any major at Southwest Baptist University prior to enrollment in the physical therapy program
- Complete PTH 2523 Introduction to Physical Therapy at SBU
- Complete all prerequisite courses with a minimum of a "C" prior to enrollment.

Successful HSEA participants will receive a scholarship upon entering the professional phase of the physical therapy program with the potential of up to \$3000. Students will receive credit for the scholarship by attending and documenting mentoring sessions on a semester basis during their undergraduate semesters (max 8 semesters). The total scholarship is awarded in 3 equal annual installments upon entry to the SBU PT program. The award is not distributed as cash. If the student does not accept the HSEA enrollment into the SBU PT program, the award becomes null and void. If the student does not merit entry to the SBU PT program under the established guidelines as a HSEA participant, the award becomes null and void. Once enrolled in the professional phase of the program, the HSEA participant must meet established unconditional matriculation requirements or the remaining award distributions will be forfeited. Eligibility for awarding the HSEA is established at the point of SBU undergraduate graduation and all normal requirements must be completed at the time of recognized graduation.

Degree Requirements

Doctor of Physical Therapy

To receive the DPT degree the student must:

1. complete all the physical therapy courses and practical exams with at least a C, and have a minimum graduate GPA of 3.00;
2. pass all clinical education courses;
3. earn a passing grade on annual comprehensive examinations and learning portfolios; and
4. participate in commencement exercises unless absence is approved by the Provost.

Program of Study and Academic Regulations

Student Orientation

New students enrolled in the physical therapy program attend two full days of orientation at the beginning of their first year. At this time, they receive a *Physical Therapy Student Handbook* which includes the policies and procedures for the graduate program in physical therapy.

Clinical Coursework

Clinical education experiences are a required part of the student's educational program. Clinical work may be performed in and out of the state of Missouri, and students must be prepared for the extra expenses including uniforms, transportation, housing arrangements and food. Health exam, immunizations, professional liability insurance, individual health insurance, criminal background checks, 2-step TB skin test, drug screening, and current CPR/BLS for healthcare providers will be required at the student's expense prior to the clinical education experience (*some clinical education facilities may require other screenings not specifically mentioned as well*). Clinical experiences will be arranged through the Academic Coordinator of Clinical Education in consultation with the student and will depend on the availability of clinical sites and students' needs. Students will be expected to comply with the policies and procedures of the clinical facility during clinical education experiences. Additional clinical education policies and requirements are delineated in the *Physical Therapy Student Handbook*.

Before progression to clinical coursework the student must:

1. successfully complete all prior PT courses with a "C" or better and maintain an overall GPA of 3.00 in graduate courses;
2. have a satisfactory medical examination including current immunizations, 2-step TB skin test or chest x-ray, Hepatitis B vaccine (or signed risk statement), completed criminal background check, and drug screening;
3. present evidence of clinical liability insurance (\$1,000,000/3,000,000) for each succeeding semester; and
4. present evidence of current CPR/BLS for healthcare providers certification.

Curricular Schedule

Physical therapy professional courses may only be taken by those students accepted in the program and are delivered in a lock-step fashion. The following schedule may be subject to change.

Year 1: Fall

PTH 5133	Critical Inquiry
PTH 5013	Psychosocial Issues of Health Care
PTH 5047	Human Anatomy
PTH 5066	Clinical Kinesiology
PTH 5481	Christian Worldview I

Year 1: January

PTH 5221	Teaching and Learning
PTH 5593	Neuroanatomy

Year 1: Spring

PTH 5423	Therapeutic Exercise
PTH 5093	Physical Therapy Science
PTH 6273	Physical Therapist Management of Integumentary Disorders
PTH 5611	Professional Development Seminar I
PTH 5103	Therapeutic Modalities in Physical Therapy
PTH 5382	Pharmacology for Physical Therapists
PTH 5491	Christian Worldview II
PTH 6393	Motor Control and Learning

Year 1: Summer

PTH 6293	Physiology of Exercise
PTH 5233	Foundations of the Musculoskeletal System
PTH 6022	Today's Health Care
PTH 6082	Human Life Sequences

Year 2: Fall

PTH 5403	Physical Assessment
PTH 6245	Physical Therapist Management of Musculoskeletal Disorders I
PTH 6263	Prosthetics and Orthotics
PTH 6473	Pathology for Physical Therapists I
PTH 6501	Christian Worldview III
PTH 6326	Physical Therapist Management of Neurological Disorders I

Year 2: January

PTH 5412	Diagnostic Imaging for Physical Therapists
PTH 6332	Administration and Management

Year 2: Spring

PTH 5151	Clinical Investigations I
PTH 6255	Physical Therapist Management of Musculoskeletal Disorders II
PTH 7316	Physical Therapist Management of Neurological Disorders II
PTH 6603	Pathology for Physical Therapists II
PTH 6621	Professional Development Seminar II
PTH 6511	Christian Worldview IV
PTH 6583	Prevention, Health Promotion, Fitness, and Wellness

Year 2: Summer

PTH 7283	Physical Therapist Management of Cardiopulmonary Disorders
PTH 7343	Pediatric Physical Therapy
PTH 6353	Geriatric Physical Therapy
PTH 7362	Capstone

Year 3: Fall

PTH 5198	Clinical Education I
PTH 7458	Clinical Education II

Year 3: Jan/Spring

PTH 7459	Clinical Education III
PTH 7469	Clinical Education IV

Progression in the Physical Therapy Program

To be eligible for the clinical education component and/or matriculation to the next year of the program, students must successfully pass all prior courses in the program and maintain an overall GPA of 3.00 (on a 4.00 scale). Students must also successfully pass an annual comprehensive examination and submit an individual learning portfolio for formal annual assessment. Students earning a grade of "F" or "non-credit" in any given course will not be able to enroll in courses listing the failed course as a prerequisite. Any student who is unable to meet these requirements is subject to review by the Physical Therapy Review Committee which will in consultation with the student, determine a plan for further action which may include academic probation with a specific plan for remediation or dismissal from the program. Students will be expected to satisfactorily pass each practical examination and course. Students having difficulty will meet with course instructor and advisor to determine a plan of remediation. The Physical Therapy Review committee will, as part of the curriculum/program evaluation, monitor the standards. All exams will be criterion referenced and based on course objectives. Criteria for grading projects and papers will be stated in writing for the students. Determination of grades for each course will be established by the core or adjunct faculty member who is teaching the course. The policy and expectations of each instructor will be stated in writing on the class syllabus and explained to the class within the first few classes.

Grades

Academic Grading Scale

90.0 - 100%	A
80.0 - 89.9	B
75.0 - 79.9	C
0 - 74.9	F
Incomplete.....	I

Comprehensive Exam Passing Score

75.0 to 100	Passing (P)
0 to 74.9	Failing (F)

Clinical Education and Selected Course Grading Scale

Pass.....	P
Fail.....	F
Incomplete	I

Individual Learning Portfolio

Exceeds Expectations	(E) Passing Score
Meets Expectations	(M) Passing Score
Fails to Meet Expectations	(F) Failing Score

Dismissal

A student may be placed on probation, suspended for a specific period of time, or dismissed for not meeting the professional behaviors as defined in the Southwest Baptist University Professional Behavior Definitions found in the *DPT Student Handbook*. All decisions for dismissal are made by the Physical Therapy Review committee and approved by the Department Chairperson with appropriate input from the Dean of Students. Students may be dismissed from the program based on the following:

1. A second final grade of "F" in any repeated course or final grades of "F" in any two courses (including courses already successfully completed).
2. A GPA of less than 3.00 while on conditional enrollment.
3. An "F" in any course if already on academic probation or conditional enrollment.
4. Non-compliance with the requirements stipulated in a remediation plan established by the ACCE or Physical Therapy Review Committee.
5. Cheating or plagiarism.
6. Any misconduct listed the *SBU Student Handbook* as serious offenses (class C).
7. Serious or repeated breach of professional behaviors found in SBU Professional Behavior Definitions.

Attendance

Attendance and active participation at all class sessions is essential for optimal learning. Class attendance is mandatory. Specific policies regarding absences including impact on grade or ability to make up work are determined by each instructor and may be found in the syllabus.

Withdrawal from Southwest Baptist University

See academic regulations section of this catalog.

Appeals

The faculty of the Department of Physical Therapy realize that occasionally some circumstances may prevent a student from performing optimally in every course in every module/semester. Any student wishing to appeal a decision by an individual faculty member or by the Physical Therapy Review Committee or Department Chairperson must first appeal to the decision maker then to the next level within the department. If the student is not satisfied with the department's decision, he/she may appeal as described in the SBU Catalog. The Grade Appeal Policy is described in the Academic Regulations section of this catalog.

COURSE DESCRIPTIONS

PTH 2523. Introduction to Physical Therapy - 45 clock hrs

Introduces students to the multifaceted role of the physical therapy profession. Topics include the diversity and growth of healthcare and physical therapy, methodologies used in physical therapy education, and the concept of the health care team. Introduction to medical terminology will also be made, teaching the student to form medical terms, and define medical terms used in medical documents to be able to read and write these documents. Prerequisite: none.

PTH 5013. Psychosocial Issues of Health Care - 45 clock hrs

Introduction to the process of professional socialization through an understanding of the interaction between the student, health professionals, and society as it relates to Christian and worldview biases. Psychological and sociological effects of impairments, functional limitations, and disability resulting from injury or disease, as applicable to the patient, client, family, and therapist. Communication skills are presented including conflict resolution, individual and cultural differences, interview, and group processes. Emphasis on increased awareness of self and interaction with others. Introduction to medical terminology. Prerequisite: Admission to the PT program.

PTH 5047. Human Anatomy - 105 clock hours

Normal human anatomy with emphasis on the musculoskeletal system and principles of articulation. Cadaver dissection. Prerequisite: Admission to the PT program.

PTH 5066. Clinical Kinesiology - 90 clock hrs

Study of biomechanical and kinesiological principles as they influence human movement of the upper & lower extremities and spine with introduction to pathokinesiology; Principles and measurement techniques of goniometry; Principles and performance of manual muscle testing the upper & lower extremity and trunk; Upper & Lower quarter surface anatomy and palpation; and postural assessment of normal and abnormal alignment. Course Prerequisite: Admission to the PT program.

PTH 5093. Physical Therapy Science - 45 clock hrs

This course presents the first-year clinical science and skills including gait analysis, safety, universal precautions, transfer training, gait training, bed mobility, and patient positioning as well as other foundational elements to prepare the student for clinical experiences. Prerequisite: PTH 5047 and 5066.

PTH 5103. Therapeutic Modalities in Physical Therapy - 45 clock hrs

Application of external energy (heat, cold, sound, light, compression, traction, water, electricity, and other forms of electromagnetic energy) to effect therapeutic physiologic changes in human tissues. Concepts of prescription, efficacy, safety, instrumentation, documentation and delegation are emphasized. Prerequisite: PTH 5047 and 5066.

PTH 5133. Critical Inquiry - 45 clock hrs

The principles and foundations of clinical research in physical therapy are presented in this course. Special emphasis will be applied to research methodology, interpretation of statistical techniques, and critical analysis of published literature. Prerequisite: Admission to the PT program.

PTH 5151. Clinical Investigations I - 15 clock hrs

This course will empower the learner to access professional databases, acquire relevant literature, and assess the quality of the published studies. Prerequisite: PTH 5133.

PTH 5198. Clinical Education I - 8 weeks of full-time clinical education

Each student will spend 8 weeks working full-time under the supervision of a licensed physical therapist in an outpatient orthopedic setting. Students will have opportunities to implement the patient/client management model in the outpatient orthopedic setting commensurate with didactic learning to date. Prerequisites: Completion of prior academic courses.

PTH 5221. Teaching and Learning - 15 clock hrs

Teaching and learning theory applied to clinical practice with peers, patient/clients and their families. Special emphasis placed upon teaching strategies and techniques for patient/client education and presenting clinically based in-services. Prerequisite: Admission to the PT program.

PTH 5233. Foundations of the Musculoskeletal System - 45 clock hrs

Foundational concepts and principles for application of the patient/client management model to the musculoskeletal system; basic science issues related to musculoskeletal tissues; introduction of medical/surgical management of musculoskeletal pathology. Prerequisite: PTH 5047 and 5066.

PTH 5382. Pharmacology for Physical Therapists - 30 clock hrs

This course presents the effects commonly used pharmacologic agents have on the body, how the body metabolizes and eliminates these agents, mechanisms of pharmaceutical administration, and pharmacological indications, contraindications and safety concerns as applied to patients/clients typically treated by the physical therapist. Prerequisite: PTH 5047 and 5066.

PTH 5403. Physical Assessment - 45 clock hrs

This course focuses on the physical examination and systems review process in evaluation of musculoskeletal, neuromuscular, cardiopulmonary, integumentary, GI/GU/renal and cognitive/behavioral systems. Hands-on application of assessment skills in health examination of patients. Prerequisite: PTH 5047 and 5066.

PTH 5412. Diagnostic Imaging for Physical Therapists - 30 clock hrs

Introduces diagnostic imaging modalities relevant to physical therapists with correlation to various clinical conditions and emphasis on a systematic approach to analyzing plain film radiography. Prerequisite: PTH 5233.

PTH 5423. Therapeutic Exercise - 45 clock hrs

The principles and techniques of therapeutic exercises are presented. Specific neurological, medical, surgical, and orthopedic conditions are studied. Prerequisite: PTH 5047 and 5066.

PTH 5481. Christian Worldview I - 15 clock hrs

An introduction of various worldview perspectives with emphasis on the Christian worldview. Prerequisite: Admission to the PT Program.

PTH 5491. Christian Worldview II - 15 clock hrs

Continuation of various worldview perspectives with emphasis on the Christian worldview. Prerequisite: PTH 5481.

PTH 5593. Neuroanatomy - 45 clock hrs

Human neuroanatomy of the central, peripheral and autonomic nervous systems. Cadaver dissection. Prerequisite: PTH 5047 and 5066.

PTH 5611. Professional Development Seminar I - 15 clock hrs

This first-year seminar focuses on the professional responsibilities of a doctoring profession in the context of becoming a servant leader in a global society. Prerequisites: PTH 5013.

PTH 6022. Today's Health Care - 30 clock hrs

Global factors that affect today's healthcare systems including providers, stakeholders, and beneficiaries. Legal responsibilities and the role of physical therapy as a profession in the healthcare system are emphasized. Prerequisite: PTH 5611.

PTH 6082. Human Life Sequences - 30 clock hrs

The developmental process from conception to death with emphasis on human motor performance. Sequence of study includes fetal life and infancy through the aging adult including: developmental changes in performance and musculoskeletal development in relationship to the human lifespan, life-span concepts of age-related change in motor behavior and development of posture and movement. Prerequisite: PTH 6393.

PTH 6245. Physical Therapist Management of Musculoskeletal Disorders I - 75 clock hrs

Concepts, principles, and procedures for application of the patient/client management model specific to musculoskeletal disorders of the upper and lower extremities. Prerequisite: PTH 5233.

PTH 6255. Physical Therapist Management of Musculoskeletal Disorders II - 75 clock hrs

The continuation of concepts, principles, and procedures for application of the patient/client management model specific to musculoskeletal disorders. Prerequisite: PTH 6245.

PTH 6263. Prosthetics and Orthotics - 45 clock hrs

This course presents the psychological reactions of limb loss and/or dysfunction. Emphasis is placed upon the patient/client management model for various levels of amputation; selection of prosthetic/orthotic materials and components including alignment; gait analysis and training; and fabrication or modification of various orthotic devices. Prerequisite: PTH 5047 and 5066.

PTH 6273. Physical Therapist Management of Integumentary Disorders - 45 clock hrs

Concepts, principles, and procedures for application of the patient/client management model specific to integumentary disorders with special emphasis on wound care management. Prerequisite: PTH 5047 and 5066.

PTH 6293. Physiology of Exercise - 45 clock hrs

Study of the effects of exercise on the organs and organ systems of both the healthy and the pathologically involved individual. Emphasis on the cardiopulmonary systems and on the formulation of exercise and intervention programs. Indications and contraindication of exercise in healthy and pathologically involved individuals. Prerequisite: PTH 5047 and 5066.

PTH 6326. Physical Therapist Management of Neurological Disorders I - 90 clock hrs

Concepts, principles, and procedures for application of the patient/client management model specific to neurological disorders with emphasis on spinal cord, demyelinating and lower motor neuron disorders. Prerequisite: PTH 6393.

PTH 6332. Administration & Management - 30 clock hrs

This course will focus on the administration and management of physical therapy services. Topics of organizational structure, management theory, practice management, human resource management, motivational theory, medical-legal-political issues and agendas, fiduciary responsibility, budgeting, strategic planning, business communication, marketing and accountability will be presented. Prerequisite: PTH 6022.

PTH 6353. Geriatric Physical Therapy - 45 Clock hrs

The patient/client management model is presented with respects to the unique needs of the geriatric population. Biological, cultural, psychological, and sociological changes with aging are discussed. Emphasis is placed upon societal attitudes, support systems, and demographics regarding the geriatric population. Prerequisites: PTH 5013 and 5233.

PTH 6393. Motor Control and Learning - 45 clock hrs

Basic neurosciences are presented with an emphasis on current theories of motor control and learning and the application of these theories and concepts to the patient/client management model in contemporary physical therapy practice. Prerequisite: PTH 5593.

PTH 6473. Pathology for Physical Therapists I - 45 clock hrs

General pathological conditions are presented with an emphasis on the natural course of musculoskeletal, neurologic, and systemic disorders/diseases managed by the physical therapist. Prerequisite: PTH 5047.

PTH 6501. Christian Worldview III - 15 clock hrs

Introduction of basic Christian principles through discipleship study. Prerequisite: PTH 5491.

PTH 6511. Christian Worldview IV - 15 clock hrs

Evaluation of life purposes from the Christian perspective. Prerequisite: PTH 6501.

PTH 6551. Clinical Investigations II - 15 clock hours

This course will focus on the development of a research proposal with applicable paperwork for human subjects review. Course Prerequisite: PTH 5151.

PTH 6561. Clinical Investigations III - 15 clock hrs

This course will focus on the collection and analysis of data related to the research proposal. Course Prerequisite: PTH 6551.

PTH 6583. Prevention, Health Promotion, Fitness, and Wellness - 45 clock hrs

This course presents preventive practice and is offered as a guide for health, fitness, and wellness. The purpose of this course is to broaden the student's perspective of Physical Therapy from a clinical to a community perspective. This course will establish a foundational understanding of the opportunities, obligations, and responsibilities of the physical therapy professional in health promotion. Prerequisite: PTH 5221.

PTH 6603. Pathology for Physical Therapists II - 45 clock hrs

Second part of general pathological conditions is presented with an emphasis on the natural course of musculoskeletal, neurologic and systemic disorder/diseases managed by the physical therapist. Prerequisites: PTH 6473.

PTH 6621. Professional Development Seminar II - 15 clock hrs

This second-year seminar focuses on the professional accountabilities of a doctoring profession in the context of becoming a servant leader in a global society. Prerequisites: PTH 5611.

PTH 695(1-3). Selected Topics - 15 to 45 clock hrs

Selected issues in physical therapy science or practice. Topics will vary depending on interest and need of student(s).

PTH 7283. Physical Therapist Management of Cardiopulmonary Disorders - 45 clock hrs

Overview of cardiac and pulmonary pathophysiology of patients. Discussions to include life-span changes, pharmacological management, and assessment and examination procedures, including ECG, stress testing, exercise prescription, and the implementation of the patient/client management model for cardiopulmonary disorders. Prerequisite: PTH 6293.

PTH 7316. Physical Therapist Management of Neurological Disorders II - 90 clock hrs

Concepts, principles, and procedures for application of the patient/client management model specific to neurological disorders with emphasis on brain and upper motor neuron disorders. Prerequisite: PTH 6326.

PTH 7343. Pediatric Physical Therapy - 45 clock hrs

Systematic, problem solving approach to the pediatric client with emphasis on prevention, etiology, clinical manifestations, and the application of the patient/client management model. Prerequisites: PTH 6082 and 6393.

PTH 7362. Capstone - 30 clock hrs

Capstone problem solving experience to address physical, emotional, psychosocial, spiritual, equipment, educational, and fiscal needs of patients and clients with complex and/or multi-system deficits. Emphasis on problem solving, professional behaviors, team management, documentation, and effective communication skills. Prerequisites: Successful completion of all prior didactic PT courses.

PTH 7458. Clinical Education II - 8-10 weeks of full-time clinical education

Each student will spend 8 - 10 weeks in each clinical experience working full time under the supervision of a licensed physical therapist implementing the patient/client management model. Each student will have four clinical experiences one each in OP orthopedics, acute/subacute care, adult neuro rehab, and elective physical therapy area of interest. The total minimum time for clinical education is 34 weeks. The length of time and the physical therapy area of interest will be negotiated with the ACCE. Prerequisite: PTH 7362.

PTH 7459. Clinical Education III - 8-10 weeks of full-time clinical education

Each student will spend 8-10 weeks in each clinical experience working full time under the supervision of a licensed physical therapist implementing the patient/client management model. Each student will have four clinical experiences one each in OP orthopedics, acute/subacute care, adult neuro rehab, and elective physical therapy area of interest. The total minimum time for clinical education is 34 weeks. The length of time and the physical therapy area of interest will be negotiated with the ACCE. Prerequisite: PTH 7362.

PTH 7469. Clinical Education IV - 8-10 weeks of full-time clinical education

Each student will spend 8-10 weeks in each clinical experience working full time under the supervision of a licensed physical therapist implementing the patient/client management model. Each student will have four clinical experiences one each in OP orthopedics, acute/subacute care, adult neuro rehab, and elective physical therapy area of interest. The total minimum time for clinical education is 34 weeks. The length of time and the physical therapy area of interest will be negotiated with the ACCE. Prerequisite: PTH 7362.

PTH 7533. Sports Physical Therapy - 45 clock hrs

Prepares the student for a career as sports physical therapist. Issues related to the sports epidemiology, care, prevention and emergency management of sports related injuries as well as effective venue management will be presented. Other elements will be designing and implementing strategies to enhance human performance based in sound physiological principles and issues related to appropriate counseling and education. Prerequisite: PTH 6255.

PTH 7543. Practicum in Physical Therapy - 45 clock hrs

Non traditional physical therapy experiences will be presented. This elective course is negotiated between the instructor and the student to prepare a learning practicum in a non-traditional physical therapy venue. Prerequisite: By permission only.

PTH 7553. Multicultural Learning in Physical Therapy - 45 clock hrs

A practical learning experience directed at exposing the student to multicultural issues and venues. Prerequisite: By permission only.

PTH 7571. Clinical Investigations IV - 15 clock hrs

This course will focus on the preparation and formal presentation of collected and analyzed data from research study. Course Prerequisite: PTH 6561.

PTH 7633. Advanced Orthopedics - 45 clock hrs

Prepares the student for a career as an advanced orthopedic physical therapist. Issues related to current evidence based practice and manual therapy will be presented. Focus on professional development skills and knowledge base to pursue advanced orthopedic credentials. Prerequisites: PTH 6255.