

# COLLEGE OF SCIENCE AND MATHEMATICS

Perry A. Tompkins, Dean

Office: Wheeler 100-B - (417) 328-1659

<http://www.sbuniv.edu/academics/colleges/cosm.php>

## Doctor of Physical Therapy

Director and Department Chair: Steven G. Lesh

Office: Davis 100 - (417) 328-1672

Faculty: Terry Cox, Amber Fleeer, Herb Hamann, Kevin Jones,

Sarah Jones, Josh Layman, Connie Matheny, Beverly McNeal,

Becky Schoeneberg, Tom Sneed, Martaun Stockstill, Marsha Trantham

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

“Whatever you do, work at it with all your heart, as working for the Lord, not for human masters, since you know that you will receive an inheritance from the Lord as a reward. It is the Lord Christ you are serving.”

-Colossians 3:23-24

## Calendar

### Fall 2018

#### **August**

16-17...Reg./Orientation-first-year DPT students

20..... Classes begin

#### **September**

3..... Labor Day-No Classes

#### **October**

1..... Applications accepted  
for entry-level DPT

#### **November**

17-25..... Thanksgiving Break

#### **December**

11-14..... Final examinations

15..... Christmas Break begin

### Spring 2019

#### **January**

3 ..... DPT Classes start-Jan term

24 ..... DPT Classes start-Spring term

#### **March**

1 ..... DPT 1, 2, & 3 Portfolios Due

16-24 ..... Spring Break

#### **May**

13-17..... Final examinations/Clin. Educ.  
Debriefing

28 ..... Summer classes begin (tentative)

## Program Mission and Objectives

### 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 DPT program at Southwest Baptist University is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, Virginia 22314; telephone 703-706-3245; email: [accreditation@apta.org](mailto:accreditation@apta.org); website: <http://www.capteonline.org>. 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](http://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.

## **Admission Requirements**

### **Physical Therapy Requirements**

The following requirements must be met before being admitted to the physical therapy program at SBU (courses in progress during semester(s) applying must be documented and completed prior to admission):

1. Completion of a baccalaureate degree
2. Completion of current PT application
3. Documented experience / observation in physical therapy; up to 40 hours will be counted and variety of experience is recommended
4. Completion of graduate records exam (GRE)
5. Earn a minimum of 2.75 overall GPA (for all previous course work or highest degree attained) OR for last 60 hours of course work earn a minimum of 3.0 overall GPA
6. Completion of the following prerequisite courses with a minimum of a 3.0 prerequisite GPA and at least a "C" in each. Prerequisites should not be taken pass/fail:
  - a. General Chemistry - two semesters in sequence with labs; minimum 8 credit hours is expected
  - b. General Physics - two semesters in sequence with labs; minimum 8 credit hours is expected
  - c. General Biology - one semester with lab; minimum 4 credit hours is expected
  - d. Anatomy / Physiology - one semester each or full year combined sequence with labs from a science-based department; minimum 8 credit hours is expected
  - e. Statistics - one course
  - f. Psychology - three courses from a psychology department (1. general, 2. normal growth and development, and 3. abnormal development)

7. Completion of the following support courses (not calculated into prerequisite GPA):
  - a. Medical Terminology - one semester is required at a "B" grade or higher; one credit hour minimum expected
  - b. Pathophysiology - not required, but highly recommended
  - c. Exercise Physiology - not required, but highly recommended; students demonstrating successful completion of an exercise physiology course with a "B" grade or higher will be exempt from completing the exercise physiology component of the DPT program
8. International student need to contact the department or consult the SBU catalog for additional requirements, including the TOEFL exam

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.

In the case of repeat prerequisite grades, the department will use the "best case" scenario for determining eligibility; however, an application penalty would be applied by reducing the overall score for each repeat grade that was present on the transcript. 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 received.

### **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.

### **Transfer Students**

Students with previous course credit in a professional phase of a CAPTE accredited PT program will be considered for academic transfer into the professional phase of the SBU entry-level DPT program if:

1. the student completes and submits a current application
2. the application meets established minimum application standards for unconditional enrollment (as if they were enrolling for the first year of the program)

and the new student will be subject to the following conditions or standards:

3. No prior PT school earned grades of less than a "B-" will be accepted for transfer credit.
4. The student will automatically be placed on normal "conditional" enrollment.
5. A maximum of 1 full year of academic credit may be transferred depending on the ability to match historic courses to pending courses in the normal SBU sequence (i.e. the student must successfully complete the second and third year of the normal DPT sequence).
6. All considerations are on a space available basis and by taking a transfer student, it is in the opinion of the faculty, that SBU academic standards are not compromised.
7. Potential transfer student may be required to provide extra or special documentation or interviews as deemed necessary by faculty in order to fully consider the application request.

Students who have not taken the prerequisite courses should be advised to take the specific courses or equivalents. When those courses are not available at the college / university they are currently attending, course substitutions may be allowed under the following guidelines. All substitutions submitted with the application must be made in writing and include a course syllabus or adequate description to determine equivalency. Applicants who have taken the specific prerequisite course but want to substitute another course with a higher grade may be able to do so only when the substitute course is an advanced course covering the same content. Course substitutions may be allowed when the content is met or exceeded.

Specific course substitution considerations will be handled as follows:

**General Chemistry** - Upper level chemistry courses (e.g. organic or biochemistry) which require General Chemistry may be substituted assuming higher level sequence is completed (prior approval not required).

**General Physics** - Upper level physics courses (e.g. calculus based) may be substituted assuming higher level sequence is completed (prior approval not required).

**Biology** – General Zoology may also be substituted (prior approval not required). Upper level human- or animal-based biology course(s) containing appropriate content for PT may be substituted pending approval.

**Anatomy / Physiology** - only human, comparative, or vertebrate anatomy / physiology from a science-based department (e.g. biology, zoology, anatomy, physiology) may be substituted (prior approval not required). Any other course(s) must have prior approval. Applied anatomy / physiology from non-science based departments may not be substituted.

**Statistics** - Course meeting or exceeding expected foundational content may be substituted only if from social science, business, or math based department (prior approval not required).

**Psychology** - Out of department substitutions will only be considered if the university does not have the expected psychology prerequisite courses from a psychology based department.

### CLEP/Advanced Placement Considerations

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.

### 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:

<b>July 1:</b>	Begin receiving applications.
<b>September 1:</b>	Begin reviewing applications (Early Decision considerations).
<b>October 1:</b>	Begin reviewing applications (General Pool)
<b>August:</b>	New physical therapy entry-level DPT class begins in mid-August. 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. placed on a waiting list to be considered for unconditional admission as space is available;
4. placed on 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*);
5. held for subsequent review pending the submission of further requested or outstanding material; or
6. denied admissions.

A student may decline SBU acceptance a maximum of one time. If student wishes to re-enter the pool for another application cycle, they must first appeal directly to the department chair establishing appropriate grounds that their new application should be considered.

A student who is dismissed, denied the privilege of re-enrollment, or voluntarily leaves the program for any reason, and wishes to re-enter the program, must first appeal in writing to the department chair establishing appropriate grounds that their application and/or re-entry should be considered. The department chair will present appeal to core faculty for final decision (2/3 vote needed to approve).

### High School Early Acceptance Program

Selected High School students are eligible to apply on a competitive basis for early acceptance into the physical therapy program subject to the following parameters and guidelines:

1. Earn a 24 ACT or equivalent SAT score (1090).
2. Submit a completed High School Early Acceptance (HSEA) application with appropriate supporting evidence and documentation.
3. Should be a graduating high school senior or collegiate freshman with less than 30 completed undergraduate hours at the time of application. Note: This provision is aimed to not penalize students from taking dual credit courses in advance of regular collegiate admissions as an incoming freshman.
4. Once accepted into the HSEA program, all undergraduate classes must be taken at SBU with the successful awarding of a bachelor's degree. The spirit of this provision is not to prevent the student from taking an occasional summer or correspondence course from a different college or university.
5. HSEA recipients must confirm their intent to matriculate into the professional phase of the physical therapy program by the end of January in their intended enrollment year and pay appropriate deposit.
6. Must submit current overall graduate program application.
7. HSEA recipients must earn an overall GPA of 3.00, a prerequisite GPA of 3.25, and a minimum grade of a "C" in all prerequisite courses or else forfeit their acceptance. The prerequisite GPA will be calculated with the first-time attempted course grade. Withdrawals will be considered an "F" grade. Under special circumstances, a withdrawn course can be petitioned, reviewed by the admissions committee, to be retaken for prerequisite GPA consideration.
8. Document 40 hours of observation or work hours in a physical therapy setting.
9. Participate in 50 hours of community service.
10. Complete PTH 2523 Introduction to Physical Therapy and KIN 3073 Exercise Physiology with a minimum grade of a "B." Note: These courses are considered support courses and are not used to calculate prerequisite GPA. Courses may be retaken if needed to earn the required grade level.
11. HSEA applications should be submitted to the department for consideration for the upcoming fall semester: 1) on or before the middle of November or January for students participating in SBU Scholars Day, or 2) before the first of April for students not participating in SBU Scholars Day. A maximum of 20 awards will be given during any one academic year. If the 20 slots are not filled during the first selection cycle, a late cycle pool will be considered during February of the academic year just prior to the selection cycle for the next academic year. If slots are not filled for any one academic year, they will not roll over or be extended.

The physical therapy department recommends the completion of one of the following undergraduate degrees: Biology, Exercise Science, or Psychology. Students should carefully plan their undergraduate experience such that most prerequisites are completed prior to their senior (or application) year. Students electing to take non-recommended degree paths should make those considerations for other specific purposes and with the knowledge that those elections may increase the duration of their undergraduate experience prior to entering the physical therapy program. If there are ever any questions about the most effective and efficient undergraduate path toward entering the graduate physical therapy program, please contact the program directly.

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. Successful HSEA participants will receive a scholarship upon entering the professional phase of the physical therapy program subject to the following parameters and guidelines:

1. 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 scholarship amount will be earned at a rate of \$375 per regular semester (Fall, Spring) enrolled at SBU in which student attends the mandatory mentoring sessions.
2. The total scholarship is awarded in 3 equal installments upon entry to the SBU physical therapy program (i.e. first year, second year, and third year in equal \$1000 amounts resulting in a “discount” on the annual tuition).
3. The award is not distributed as a cash award.
4. If the student does not accept the HSEA enrollment into the SBU physical therapy program, the award becomes null and void.
5. If the student does not merit entry to the SBU physical therapy program under the established guidelines as a HSEA participant, the award becomes null and void.
6. A deferment of up to 2 calendar years after earning of a bachelor’s degree from SBU may be granted upon request of the HSEA participant who otherwise meets established guidelines. The spirit of this provision is a variance given to HSEA participants who meet unexpected life events beyond their control.
7. 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.

### **A+ Recruitment Program**

The Doctor of Physical Therapy (DPT) program at Southwest Baptist University realizes and appreciates that the cost of earning a valuable degree continues to increase and this cost factor does play a role in the decision-making processes on where students elect to attend college. The program wishes to support Missouri A+ students who have a professional goal on becoming a physical therapist by establishing a path by which they can complete their A+ requirements and earn an automatic acceptance into the SBU DPT program.

### **A+ Recruitment Program Requirements**

1. Successfully earn an Associate’s degree based on the existing parameters of the A+ program
2. Earn a Bachelor’s of Science degree from SBU in Biology
3. Have the following prerequisite courses completed by B.S. graduation and present on the transcript with at least a minimum grade of a “B” in each course (combined prerequisite GPA should be 3.25)^#:
  - a. Biology\* – one semester, human or animal-based with lab component
  - b. Chemistry\* – two semesters with lab component
  - c. Physics\* – two semesters with lab component
  - d. Anatomy and Physiology\* – two semesters with lab component
  - e. Statistics
  - f. Three psychology courses – general, normal growth, abnormal development
  - g. Medical Terminology – housed in PTH 2523 Intro to Physical Therapy
  - h. Exercise Physiology – KIN 3073 Physiology of Exercise

^Repeated courses will be reviewed by the admissions committee for evaluation of acceptance. It is the general guideline that courses should not be repeated unless extreme circumstances are presented.

#Course in Pathophysiology is highly recommended, but not required.

\*Courses must be taken in sequence from a science-based department.

## **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 final passing grade on 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. Students are responsible for all materials presented in the respective handbooks.

### Clinical Education

The purpose of the clinical education component within the physical therapy curriculum is to ensure student carry-over and integration of didactic course work into the clinical setting. To ensure a broad range of clinical experiences, each student will be required to have a clinical experience in acute care, outpatient orthopedics, and neuro-rehabilitation. These experiences appear late in the curriculum totaling 34 weeks in a residency-like format. One of the final clinical education experiences may be in an area of special interest within physical therapy that has not already been experienced by the student in a prior clinical experience. Students are responsible for all expenses for travel and living during the clinical education experiences. Students with a history of criminal actions documented on a background check may have clinical education placement options severely limited or delayed. While student input to the assignment process is valued and considered, we cannot guarantee these requests for clinical assignments will be met. The final decision rests with the Academic Coordinator of Clinical Education (ACCE), with input from the Core Faculty, and the student should be readily prepared to attend a rotation that may not have been a top preferred position on the part of the student.

Specific clinical education policies and requirements are delineated in the *Physical Therapy Student Handbook*.

### 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 5132	Critical Inquiry
PTH 5013	Psychosocial Issues of Health Care
PTH 5047	Human Anatomy
PTH 5066	Clinical Kinesiology
PTH 5481	Christian Applications for the Healthcare Professional I
PTH 5631	Integrated Clinical Experience I

#### Year 1: January

PTH 5221	Teaching and Learning
PTH 5593	Neuroscience for the Physical Therapist

#### 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 5403	Physical Assessment
PTH 6393	Motor Control and Learning
PTH 5641	Integrated Clinical Experience II

**Year 1: Summer**

PTH 6293	Exercise Prescription in Physical Therapy
PTH 5233	Foundations of the Musculoskeletal System
PTH 6022	Today's Health Care
PTH 6082	Human Life Sequences

**Year 2: Fall**

PTH 5382	Pharmacology for Physical Therapists
PTH 6245	Physical Therapist Management of Musculoskeletal Disorders I
PTH 6263	Prosthetics and Orthotics
PTH 6472	Pathology for Physical Therapists I
PTH 6501	Christian Applications for the Healthcare Professional II
PTH 6326	Physical Therapist Management of Neurological Disorders I
PTH 6651	Integrated Clinical Experience III

**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 6583	Prevention, Health Promotion, Fitness, and Wellness
PTH 6671	Integrated Clinical Experience IV

**Year 2: Summer**

PTH 7283	Physical Therapist Management of Cardiopulmonary Disorders
PTH 7343	Pediatric Physical Therapy
PTH 7353	Geriatric Physical Therapy
PTH 7362	Capstone

**Year 3: Fall**

PTH 7158	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**

Students are subject to the academic regulations stated in the respective SBU catalogs and handbooks. 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 submit an individual learning portfolio for formal annual assessment and earn a final passing grade at the end of the curriculum.

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 Core Faculty will, as part of the curriculum/program evaluation, monitor the standards.

Graduate level physical therapy repeat courses are permitted only under the supervision and recommendation of the PT Review Committee for remediation purposes. Students passing a physical therapy course will not be permitted to retake the course for academic grade or transcript purposes unless otherwise directed by the PT Review Committee. If the course is successfully repeated (as defined by the PT Review Committee), then the new earned grade will replace the previously earned failing grade for matriculation and transcript purposes and the previous grade will not enter into grade point average (GPA) calculations from that point forward. The Registrar will replace the original earned failing grade with a designation that the original grade was failing, but has now been successfully repeated (e.g. RF).

Exams will be based on course objectives. Criteria for projects, papers, and/or assignments will be stated in the syllabus for the students. Criteria and determination of grades for each course will be established by the core or adjunct faculty member who is leading the course. The policy and expectations of each instructor will be stated in writing in the class syllabus and explained to the class within the first few class sessions. The following grading scales will be used unless otherwise directed in the specific syllabus:

### Grades

#### Academic Grading Scale

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

#### 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 either academic issues (i.e. grade-based) and/or professional behaviors issues (i.e. non grade-based) as defined in the Southwest Baptist University Professional Behavior Definitions found in the DPT Student Handbook. All decisions for dismissal, or being denied the privilege of re-enrollment, 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 final grade of "F" in any required course prior to PTH 7362 Capstone.
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 in the SBU Student Handbook as serious offenses (class C).
7. Serious or repeated breach of professional behaviors found in SBU Professional Behavior Definitions.
8. A second final grade of "F" beginning with PTH 7362 Capstone through the end of terminal clinical education courses.

9. Violation of the SBU Drug and Alcohol Policy.

**Attendance**

Class attendance is mandatory. The student is responsible for attendance at all class sessions and meetings. A pattern of repeated absence or tardiness will be reported to the faculty advisor and may result in development of a remediation plan by the PT Review Committee. Students must notify the instructor directly in writing (e.g. email) or by calling office in advance for any absence except for emergency or unavoidable circumstances. If the instructor is not available when the student calls, a voice message should be left. In the case of unavoidable circumstances, students must contact the instructor on return from absence and if possible, prior to the next class session to ensure completion of assignments. Additional assignments may be required. Faculty will give make-up exams and modify deadlines for assignments only for excused absences with appropriate documentation. The student is responsible to get notes for any class missed whether excused or unexcused. Students missing 3 unexcused lecture or lab sessions during the regular fall or spring semesters, or 10% of total class hours in Jan term and summer courses will have their course grade reduced by one letter grade. Each additional missed lecture or lab will result in an additional letter grade reduction. For tabulation purposes, lecture and lab sessions are counted as individual sessions (even if on same day). Any student who is late for class will be counted as missing a minimum of 1 class hour. Course specific policies are determined by each instructor and must be in compliance with the SBU Catalog and SBU Student Handbook. The student may request excused time off for special once in a lifetime events (e.g. weddings; graduations) only if by missing the scheduled class, the otherwise unexcused absence would have a detrimental impact on a course grade (e.g. at least lowering of final course grade by one letter).

**Appeals**

The faculty of the Department of Physical Therapy realizes that occasionally some circumstances may prevent a student from performing optimally in every course during each term. Any student wishing to appeal a decision by an individual faculty member or by the Physical Therapy Review Committee or Department Chair 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 graduate catalog. The grade appeal process is described in the SBU graduate catalog. It is plausible that the successful appeal process creates a natural delay in matriculation due to the lockstep nature of the curriculum. Under rare circumstances, a student who was normally admitted to the program, is discovered to either knowingly or unknowingly mislead, misrepresent, or falsify elements related to admission standards. If this circumstance is discovered, regardless of when it is discovered, the status of an enrolled or admitted student is automatically revoked and the student forfeits any rights to appeal and any claim on monies already paid to the institution in the form of tuition and fees.

**Official Communications**

All official notices from the department will be sent to the official student local address on file with the university and/or the official SBU email provider.

## COURSE DESCRIPTIONS

**PTH 2523. Introduction to Physical Therapy - 45 clock hrs (Spring, even years)**

Introduces students to the multifaceted role of the physical therapy profession. Topics include the diversity and growth of health care 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. 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. Course fee: \$700

**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 5132. Critical Inquiry - 30 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 5132.

**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 Applications for the Healthcare Professional I - 15 clock hrs**

An introduction to the concept of worldview with emphasis on the Christian worldview and related perspectives on current healthcare issues. Prerequisites: Admission to the DPT Program.

**PTH 5593. Neuroscience for the Physical Therapist - 45 clock hrs**

Human neuroscience foundations and issues are presented as related to the rehabilitation process. 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 5631. Integrated Clinical Experience I – 40 clock hrs**

This first semester supervised clinical field experience introduces the doctor of physical therapy student to an integrated and interdisciplinary approach to contemporary health care. Course Fee: \$500.

**PTH 5641. Integrated Clinical Experience II – 40 clock hrs**

This second semester supervised clinical field experience introduces the doctor of physical therapy student to an integrated and interdisciplinary approach to contemporary health care. Course Fee: \$500.

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

Global factors that impact today's health care systems are presented including discussions on providers, stakeholders, and beneficiaries. 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, 5066 and 6273.

**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. Exercise Prescription in Physical Therapy - 45 clock hrs**

Study of appropriate exercise prescription for both healthy and pathologically involved individuals including relevant indications and contraindications. Prerequisite: PTH 5423.

**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 and 6273.

**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, and accountability will be presented. Prerequisite: PTH 6022.

**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 6472. Pathology for Physical Therapists I - 30 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 and 6273.

**PTH 6501. Christian Applications for the Healthcare Professional II - 15 clock hrs**

Evaluation of life and professional healthcare purposes from the Christian perspective. Prerequisites: PTH 5481

**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 6472.

**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. Prerequisite: PTH 5611.

**PTH 6651. Integrated Clinical Experience III – 40 clock hrs**

This third semester supervised clinical field experience continues to expose the doctor of physical therapy student to an integrated and interdisciplinary approach to contemporary health care with an increased focus on application of learned skills. Course Fee: \$500.

**PTH 6671. Integrated Clinical Experience IV - 40 clock hrs**

This fourth semester supervised clinical field experience continues to expose the doctor of physical therapy student to an integrated and interdisciplinary approach to contemporary health care with an increased focus on application of learned skills. Course Fee: \$500.

**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 7158. Clinical Education I - 8 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 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 7353. Geriatric Physical Therapy - 45 Clock hrs**

Biological, cultural, psychological, and sociological changes with aging are discussed. Emphasis is placed upon societal attitudes, support systems, and demographics regarding the geriatric population. Systematic and comprehensive problem solving approach to the geriatric client with emphasis on prevention, etiology, clinical manifestations, and the application of the patient/client management model. Prerequisites: PTH 6255, 7283, and 7316.

**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 7479. Clinical Education V - 8 - 10 weeks of full-time clinical education**

Each student is expected to successfully complete a minimum of 34 weeks for clinical education. At times, students may present with difficulties (e.g. behavior, academic, health) that will prevent successful completion of this expectation. This on demand course is used as a final opportunity for the student successfully earn the minimum expectation of time in the clinic. This course will substitute for PTH 7158, 7458, 7459, 7469 as a degree requirement if needed. The length of time and the physical therapy clinical area will be directed by Review Committee. 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. Global Learning in Physical Therapy - 45 clock hrs**

A service learning experience directed at exposing the student to global healthcare 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.