PHYSICAL THERAPY (PHYS THER)

PHYS THER 110 Ortho & Rehab Diag/Treatment (2 Units) Winter
Instructor(s): Daniel R Keller
Prerequisite(s): Completion of PT 200, PT 201, PT 202 and concurrent enrollment in Pathology 135.01 or by consent of program director.

Restrictions: Open only to students enrolled in the UCSF/SFSU Graduate Program in Physical Therapy or consent of instructor.

Activities: Lecture
Course presents the diagnostic, medical, and surgical principles and techniques which guide decision making and management by the orthopedic surgeon. Contraindications, precautions, and prognosis are discussed to guide the decision making of the physical therapist.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No

PHYS THER 111 Neurology & Rehab Diagnosis and Treatment (2.5-3 Units) Fall, Summer
Instructor(s): Monika K Patel
Prerequisite(s): Students must be enrolled in the entry-level DPT program.

Restrictions: None
Activities: Lecture
Course presents the diagnostic and medical principles which guide clinical decision making and management by the neurologist. Contraindications, precautions, and diagnosis of the different neurological diseases are discussed to guide decision making by the physical therapist.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No

PHYS THER 112A Motor Control Across the Lifespan: Motor Behavior (1.5 Units) Spring
Instructor(s): Erica A. Pitsch
Prerequisite(s): PHYS THER 203A, PHYS THER 203B, PHYS THER 200A, PHYS THER 200B

Restrictions: First-year DPT students
Activities: Lecture, Laboratory
This required course for first-year DPT students covers motor learning and motor control concepts as applied to functional movement and balance in the normally developed adult, with an introduction into application to pathologic populations.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No

PHYS THER 112B Motor Control Across the Lifespan: Pediatrics (1.5 Units) Fall, Spring, Summer
Instructor(s): Casey Nesbit
Prerequisite(s): PHYS THER 112A

Restrictions: DPT students in their second year.
Activities: Lecture
Normal human growth and development for pediatrics with an emphasis on the changes in physical, motor, sensory, cognitive, language, self-help, and psychosocial skills and their impact on functional movement. Implications for physical therapy assessments for infants, children, and adolescents with developmental problems.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No
PHYS THER 112C  Motor Control Across the Lifespan: Geriatrics (1.5 Units)  Winter
Instructor(s): Andrew J. Lui
Prerequisite(s): PHYS THER 200A, PHYS THER 112A, PHYS THER 112B
Restrictions: Third-year students in the DPT program.
Activities: Lecture
This required course for DPT student will teach clinical reasoning and practical skills required for effective physical therapy evaluation and treatment of older adults. Students will learn about the biopsychosocial changes in the aging adult and their associated clinical consequences especially as applied to changes in functional mobility and balance. This will be accomplished through didactic lecture, small group problem-based learning, web-based learning modules, and laboratory activities.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No

PHYS THER 199  Independent Study (0.5-5 Units)  Fall, Winter, Spring, Summer
Instructor(s): Staff
Prerequisite(s): Approval of the independent study advisor or by consent of program director.
Restrictions: Approval of the independent study advisor or by consent of program director.
Activities: Independent Study
Student participates in an independent study project under direction of a faculty member with the approval of the chairperson of the department.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? Yes
Does enrollment in this course require instructor approval? No
Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? Yes

PHYS THER 200A  Neuromusculoskeletal Anatomy I (4 Units)  Summer
Instructor(s): Jennifer R Kinder, Amber Fitzsimmons, Alison Scheid
Prerequisite(s): Enrollment in the UCSF/SFSU Graduate Program in Physical Therapy. An upper division course in human anatomy or comparative anatomy.
Restrictions: None
Activities: Lecture
PT 200 A, B and C each focus on different anatomic regions. Dissection and functional anatomy of the neuromusculoskeletal system from a developmental and biomechanical perspective, with vascular and lymphatic systems related in a 3-dimensional perspective. Principles and relationships reinforced through lecture, dissection laboratories, studies of presections, and weekly integrative clinical seminars.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No

PHYS THER 200B  Neuromusculoskeletal Anatomy II (0.5 Units)  Fall
Instructor(s): Jennifer R Kinder, Amber Fitzsimmons
Prerequisite(s): Enrollment in the UCSF/SFSU Graduate Program in Physical Therapy. An upper division course in human anatomy or comparative anatomy.
Restrictions: None
Activities: Lecture
PT 200 A, B and C each focus on different anatomic regions. Dissection and functional anatomy of the neuromusculoskeletal system from a developmental and biomechanical perspective, with vascular and lymphatic systems related in a 3-dimensional perspective. Principles and relationships reinforced through lecture.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No
PHYS THER 200C Neuromusculoskeletal Anatomy III (0.5 Units) Winter
Instructor(s): Jennifer R Kinder
Prerequisite(s): Upper division human anatomy and human physiology or consent of instructor.
Restrictions: None
Activities: Lecture, Lab science

PT 200 A, B and C each focus on different anatomic regions. Dissection and functional anatomy of the neuromusculoskeletal system from a developmental and biomechanical perspective, with vascular and lymphatic systems related in a 3-dimensional perspective. Principles and relationships reinforced through lecture.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No

PHYS THER 201A PT Assessment I: Principles and Practice (3 Units) Summer
Instructor(s): Sara R Temple
Prerequisite(s): Enrollment in DPT program
Restrictions: Open only to students enrolled in the DPT program or by consent or program director.
Activities: Lecture

This course includes the principles of measurement, instrumentation, administration and interpretation of standardized and clinical evaluation techniques used in clinical physical therapy. Techniques include goniometric measurement of joint angles and manual muscle testing for strength. Course content includes principles of documentation, bed mobility, transfers, basic gait training, legal regulations and ethical practice. Course content is presented through lecture and laboratory activities.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No

PHYS THER 202 Therapeutic Modalities (1.5 Units) Fall
Instructor(s): Jordan E LaBrec, Andrew J. Lui
Prerequisite(s): Admitted to the professional program in physical therapy and have taken coursework in exercise physiology, kinesiology and physics.
Restrictions: None.
Activities: Lecture

In lecture and lab settings, physiological, theoretical, and administrative principles are applied to the application of therapeutic modalities to prevent disability, maintain positive health, and restore function.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No

PHYS THER 204A Pathophysiology for Physical Therapists I (3 Units) Fall
Instructor(s): Jennifer R Kinder, Andrew J. Lui, Victoria L Cong
Prerequisite(s): Students must possess foundational understanding of muscle, nerve, and joint structure and function, thoroughly grasp basic kinesiology concepts, and be able to demonstrate and apply basic anatomy and physiology principles. Students must have successfully completed courses in Neuromusculoskeletal Anatomy (PT200A).
Restrictions: Enrollment in the DPT program
Activities: Lecture

Pathophysiology for Physical Therapists is a two-part course, A & B (each covering different body systems), for a total of six quarter-units. Three units of the course are taught during the fall and three in the winter. Students will be introduced to the physiological and pathophysiologic principles and mechanisms that underlie the normal and abnormal functions of the body and develop an understanding of disease pathophysiology. Didactic lectures are supplemented with small group learning.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No
PHYS THER 204B  Pathophysiology for Physical Therapists II (3 Units)  Winter  
Instructor(s): Jennifer R Kinder, Andrew J. Lui, Victoria L Cong  
Prerequisite(s): Students must possess foundational understanding of muscle, nerve, and joint structure and function, thoroughly grasp basic kinesiology concepts, and be able to demonstrate and apply basic anatomy and physiology principles. Students must have successfully completed courses in Neuromusculoskeletal Anatomy (PT200A).  
Restrictions: Enrollment in the DPT program  
Activities: Lecture  
Pathophysiology for Physical Therapists is a two-part course, A & B (each covering a different body system), for a total of six quarter-units. Three units of the course are taught during the fall and three in the winter. Students will be introduced to the physiological and pathophysiological principles and mechanisms that underlie the normal and abnormal functions of the body and develop an understanding of disease pathophysiology. Didactic lectures are supplemented with small group learning.  
School: Graduate Division  
Department: Physical Therapy Program  
May the student choose the instructor for this course? No  
Does enrollment in this course require instructor approval? No  
Course Grading Convention: Letter Grade  
Graduate Division course: Yes  
Is this a web-based online course? No  
Is this an Interprofessional Education (IPE) course? No  
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes  
Repeat course for credit? No  

PHYS THER 205  Functional Anatomy Review (2 Units)  Spring  
Instructor(s): Jennifer R Kinder  
Prerequisite(s): PT 200 or equivalent  
Restrictions: None.  
Activities: Lecture, Lab science  
Students are expected to review Acland Videos prior to class and to work in small groups to complete the assigned dissection of the cadaver. Using the dissected cadavers (and prosected materials), the student is expected to relate the structures to clinical kinesiology, clinical courses, biomechanics, pathological states, and clinical education experiences.  
School: Graduate Division  
Department: Physical Therapy Program  
May the student choose the instructor for this course? No  
Does enrollment in this course require instructor approval? No  
Course Grading Convention: Letter Grade  
Graduate Division course: Yes  
Is this a web-based online course? No  
Is this an Interprofessional Education (IPE) course? No  
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes  
Repeat course for credit? No  

PHYS THER 207  Medical Screening for Physical Therapists (4 Units)  Fall, Winter, Spring, Summer  
Instructor(s): Alison Scheid  
Prerequisite(s): Enrolled in the DPT or DPTSc course or approval of instructor.  
Restrictions: None.  
Activities: Lecture, Project, Lab skills  
This required course for DPT students will cover the basic techniques for medical history taking, physical examination for medical diagnoses that frequently lead to a physical therapy referral with special emphasis on recognizing the red flags that require a physician referral.  
School: Graduate Division  
Department: Physical Therapy Program  
May the student choose the instructor for this course? No  
Does enrollment in this course require instructor approval? No  
Course Grading Convention: Letter Grade  
Graduate Division course: Yes  
Is this a web-based online course? No  
Is this an Interprofessional Education (IPE) course? No  
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes  
Repeat course for credit? No  

PHYS THER 209  Evidence Based Practice in PT (3 Units)  Fall  
Instructor(s): Diane Allen  
Prerequisite(s): Enrolled in DPT or consent of instructor.  
Restrictions: None.  
Activities: Lecture, Seminar, Project  
The principles of evidence based practice will be summarized and discussed. Each student will be required to critique current articles on a defined question and present the findings.  
School: Graduate Division  
Department: Physical Therapy Program  
May the student choose the instructor for this course? No  
Does enrollment in this course require instructor approval? No  
Course Grading Convention: Letter Grade  
Graduate Division course: Yes  
Is this a web-based online course? No  
Is this an Interprofessional Education (IPE) course? No  
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No  
Repeat course for credit? No
PHYS THER 210  Radiology for Physical Therapists  (2 Units)  Winter, Spring, Summer
Instructor(s): Richard B. Souza
Prerequisite(s): Students must be enrolled in the UCSF/SFSU Program in Physical Therapy or the UCSF PhD in Rehabilitation Science.
Restrictions: Enrollment in DPT program.
Activities: Lecture
The purpose of this class is to develop skills in looking at musculoskeletal images. These skills are beneficial to the therapist to better understand the structures involved with any given pathology. In addition, these skills are necessary when patients bring their radiographs and images to their PT visit. Patients frequently want to be sure the therapist understands the severity of the musculoskeletal problem and considers this when designing intervention.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No

PHYS THER 211  Pharmacology for Physical Therapists  (2 Units)  Fall, Winter, Spring
Instructor(s): Sharon L Youmans
Prerequisite(s): Successful completion of first year in Physical Therapy program.
Restrictions: Enrollment in DPT program
Activities: Lecture
This is a survey course on pharmacological topics that are relevant to rehabilitation and physical therapy and covers topics such as principles, indications and adverse reactions to medications commonly used to manage neuromusculoskeletal and cardiopulmonary conditions. Effects of exercise on drug metabolism and drug interactions are also presented.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No

PHYS THER 213  Neurological Pathokinesiology II  (2 Units)  Fall, Winter, Spring, Summer
Instructor(s): Erica A. Pitsch
Prerequisite(s): Enrolled in the DPT or DPTSc program or consent of instructor.
Restrictions: None.
Activities: Lecture
The course will apply the scientific principles of neuroplasticity and motor control to the advanced assessment and management of movement dysfunction and promotion of wellness in people with neurological disorders.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No

PHYS THER 214  Administration and Organization in Physical Therapy  (3 Units)  Fall, Winter, Spring, Summer
Instructor(s): Sam Pak
Prerequisite(s): Successful completion of first year in the Physical Therapy program.
Restrictions: Enrollment in DPT program.
Activities: Lecture
Specific administrative and planning skills required for physical therapy practice in various settings. Topics addressed include: quality assurance, documentation, personnel and fiscal management, planning, contracting, health services administration, health care team, professional and medical-legal issues.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No
Repeat course for credit? No
PHYS THER 215A  Compassion, Accountability, Responsibility, & Excellence I (0.5 Units) Fall, Spring, Summer  
Instructor(s): Kai Kennedy  
Prerequisite(s): None  
Restrictions: Must be enrolled in the Physical Therapy program.

This course includes content and assessments that encourage students to fully understand and consider the environmental and personal contextual factors influencing their role as health care providers. Specifically, students will be introduced to the concept of professionalism using a Professionalism Framework with five key domains, including: Accountability; Compassion and Humility; Professional Excellence; Social Responsibility; and Working Relationships.

School: Graduate Division  
Department: Physical Therapy Program  
May the student choose the instructor for this course? No  
Does enrollment in this course require instructor approval? No  
Course Grading Convention: Letter Grade  
Graduate Division course: Yes  
Is this a web-based online course? No  
Is this an Interprofessional Education (IPE) course? No  
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No  
Repeat course for credit? No

PHYS THER 215B  Compassion, Accountability, Responsibility, & Excellence II (0.5 Units) Winter, Spring  
Instructor(s): Kai Kennedy  
Prerequisite(s): PT 215A  
Restrictions: Must be enrolled in the Physical Therapy program.

This course includes content and assessments that encourage students to fully understand and consider the environmental and personal contextual factors influencing their role as health care providers. Specifically, students will be introduced to the concept of professionalism using a Professionalism Framework with five key domains, including: Accountability; Compassion and Humility; Professional Excellence; Social Responsibility; and Working Relationships.

School: Graduate Division  
Department: Physical Therapy Program  
May the student choose the instructor for this course? No  
Does enrollment in this course require instructor approval? No  
Course Grading Convention: Letter Grade  
Graduate Division course: Yes  
Is this a web-based online course? No  
Is this an Interprofessional Education (IPE) course? No  
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No  
Repeat course for credit? No

PHYS THER 216A  Compassion, Accountability, Responsibility, & Excellence III (0.5 Units) Fall, Summer  
Instructor(s): Kai Kennedy  
Prerequisite(s): PT 215A, PT 215B  
Restrictions: Must be enrolled in the DPT Program.

This course includes content and assessments that encourage students to fully understand and consider the environmental and personal contextual factors influencing their role as health care providers. Specifically, students will be introduced to the concept of professionalism using a Professionalism Framework with five key domains, including: Accountability; Compassion and Humility; Professional Excellence; Social Responsibility; and Working Relationships.

School: Graduate Division  
Department: Physical Therapy Program  
May the student choose the instructor for this course? No  
Does enrollment in this course require instructor approval? No  
Course Grading Convention: Letter Grade  
Graduate Division course: Yes  
Is this a web-based online course? No  
Is this an Interprofessional Education (IPE) course? No  
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes  
Repeat course for credit? No

PHYS THER 216B  Compassion, Accountability, Responsibility, & Excellence IV (0.5 Units) Winter, Spring  
Instructor(s): Kai Kennedy  
Prerequisite(s): PT 215A, PT 215B, PT 216A  
Restrictions: Must be enrolled in the DPT Program.

This course develops content and assessments that encourage students to fully understand and consider the environmental and personal contextual factors influencing their role as health care providers. Specifically, students will continue practicing professionalism using a Professionalism Framework with five key domains, including: Accountability; Compassion and Humility; Professional Excellence; Social Responsibility; and Working Relationships.

School: Graduate Division  
Department: Physical Therapy Program  
May the student choose the instructor for this course? No  
Does enrollment in this course require instructor approval? No  
Course Grading Convention: Letter Grade  
Graduate Division course: Yes  
Is this a web-based online course? No  
Is this an Interprofessional Education (IPE) course? No  
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes  
Repeat course for credit? No
PHYS THER 218A Therapeutic Exercise: Beginning Exercise Prescription (1.5 Units) Fall
Instructor(s): Andrew J. Lui
Prerequisite(s): Must be enrolled in the DPT program.
Restrictions: First-year DPT students.
Activities: Lecture, Web work
This is a required course for DPT students. Through independent assignments, lecture, in class discussion and demonstration, and laboratory activities, students will utilize their knowledge of anatomy, physiology and kinesiology and expand their clinical reasoning skills to design effective exercise programs for patient populations with varying diagnoses, impairments, and comorbidities.
School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No

PHYS THER 218B Therapeutic Exercise: Intermediate Exercise Prescription (1.5 Units) Fall, Winter, Spring, Summer
Instructor(s): Andrew J. Lui
Prerequisite(s): PT200ABC, PT706, PT201AB, KIN746, PT741/742/743, PT720, PT710/11, PT218A
Restrictions: Third-year DPT students
Activities: Lecture
Through didactic lecture, review of current literature, ILMs, small group problem based learning, and lab activities, students will further their understanding of muscle structure/function and integrate principles of nerve, tendon, and muscle biology and kinesiology to design and modify evidence based exercise programs for populations with varying diagnoses, impairments, and comorbidities. Students will also learn teaching methods to maximize patient adherence to exercise programs.
School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No

PHYS THER 218C Therapeutic Exercise: Advanced Prescription & Manual Therapy (1.5 Units) Fall, Summer
Instructor(s): Luc Fecteau, Andrew J. Lui, Arthur W Long
Prerequisite(s): PT 200ABC, PT 201AB, PT 706, KIN746, PT 731/742/743, PT720, PT710/11, PT218AB
Restrictions: Third-year DPT students
Activities: Lecture, Laboratory
Students will further their understanding of muscle structure and function and integrate principles of nerve, tendon, and muscle biology and kinesiology to design and modify both evidence-based exercise programs and manual therapy interventions for basic case presentations. Students will also synthesize evaluation findings into a problem-based intervention list using the movement analysis model to include therapeutic exercise and manual therapy in isolation and in combination.
School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No

PHYS THER 218D Therapeutic Exercise: Exercise for Special Populations (1.5 Units) Winter
Instructor(s): Luc Fecteau
Prerequisite(s): PT200ABC, PT201AB, PT706, KIN746, PT731/742/743, PT720, PT710/11, PT218ABC
Restrictions: Third-year DPT students
Activities: Lecture, Laboratory
Students will further their understanding of integrating advanced exercise prescription principles of nerve, tendon, and muscle biology/kinesiology to design and modify evidence-based exercise programs for populations with varying diagnoses, impairments, comorbidities. They'll synthesize evaluation findings into a problem-based plan of care including therapeutic exercise and manual therapy. These concepts will be adapted to a variety of special populations in the physical therapy environment.
School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No
PHYS THER 219A  Pain Science for the Physical Therapist I  (1 Units) Spring  
Instructor(s): Stephen Baxter  
Prerequisite(s): Admitted to the professional program in physical therapy and have successfully completed coursework in physiology and anatomy  
Restrictions: Restricted to students in the DPT program.  
Activities: Lecture  
This is a required course for DPT students. Through didactic lectures, in-class discussions, and assigned reading, the students will apply their knowledge of anatomy, physiology, and therapeutic treatments while expanding their clinical reasoning skills to enable them to educate and discuss the science of nociception, persistent pain, and current scientific opinion on pain management.  

School: Graduate Division  
Department: Physical Therapy Program  
May the student choose the instructor for this course? No  
Does enrollment in this course require instructor approval? No  
Course Grading Convention: Letter Grade  
Graduate Division course: Yes  
Is this a web-based online course? No  
Is this an Interprofessional Education (IPE) course? No  
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes  
Repeat course for credit? No  

PHYS THER 219B  Pain Science for the Physical Therapist II  (1 Units) Spring, Summer  
Instructor(s): Stephen Baxter  
Prerequisite(s): PT 219A, Admitted to the professional program in physical therapy and have successfully completed coursework in physiology and anatomy  
Restrictions: Restricted to students in the DPT program.  
Activities: Lecture  
This course is the 2nd of two courses in the PT 219 series, designed to fulfill the growing educational needs for pain science in health care. Through didactic lectures, in-class discussions, and assigned reading, the students will apply their knowledge of anatomy, physiology, and therapeutic treatments while expanding their clinical reasoning skills to enable them to educate and discuss the science of nociception, persistent pain, and current scientific opinion on pain management.  

School: Graduate Division  
Department: Physical Therapy Program  
May the student choose the instructor for this course? No  
Does enrollment in this course require instructor approval? No  
Course Grading Convention: Letter Grade  
Graduate Division course: Yes  
Is this a web-based online course? No  
Is this an Interprofessional Education (IPE) course? No  
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes  
Repeat course for credit? No  

PHYS THER 251A  Research Design I: Introduction to Scientific Inquiry  (3 Units) Spring, Summer  
Instructor(s): Victor Cheuy  
Prerequisite(s): Enrolled in Graduate Program in Physical Therapy or consent of instructor.  
Restrictions: None.  
Activities: Lecture  
This course explores the underlying theoretical concepts that guide the design of clinical research studies. Students will be introduced to the scientific method and to a variety of research methods and designs. Students will 1) learn research designs that will be applicable to their future physical therapy practice, 2) develop a research question and design an appropriate study for that question, and 3) learn to critically appraise and become proficient consumers of research literature.  

School: Graduate Division  
Department: Physical Therapy Program  
May the student choose the instructor for this course? No  
Does enrollment in this course require instructor approval? No  
Course Grading Convention: Letter Grade  
Graduate Division course: Yes  
Is this a web-based online course? No  
Is this an Interprofessional Education (IPE) course? No  
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes  
Repeat course for credit? No  

PHYS THER 251B  Research Design II: Appraisal of Scientific Literature  (1 Units) Fall, Summer  
Instructor(s): Victor Cheuy  
Prerequisite(s): Successful completion of PT 251A.  
Restrictions: None.  
Activities: Lecture  
This course explores the underlying theoretical concepts that guide the design of clinical research studies. Students will be introduced to the scientific method and to a variety of research methods and designs. Students will 1) learn research designs that will be applicable to their future physical therapy practice, 2) develop a research question and design an appropriate study for that question, and 3) learn to critically appraise and become proficient consumers of research literature.  

School: Graduate Division  
Department: Physical Therapy Program  
May the student choose the instructor for this course? No  
Does enrollment in this course require instructor approval? No  
Course Grading Convention: Letter Grade  
Graduate Division course: Yes  
Is this a web-based online course? No  
Is this an Interprofessional Education (IPE) course? No  
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes  
Repeat course for credit? No
PHYS THER 400A Grand Rounds (1 Units) Fall, Winter, Spring
Instructor(s): Elise M Armstrong
Prerequisite(s): Completion of physical therapy program courses, to date
Restrictions: Restricted to 1st Year students in the DPT program only.
Activities: Lecture
This course is designed to facilitate interdisciplinary communication and interaction between doctoral students in physical therapy and professionals in other health care disciplines and the larger community on topics of mutual interest, and to assist students in developing habits of community engagement and lifelong learning. Students are encouraged to pursue educational opportunities that will help them expand their professional network and their knowledge in a practice niche.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory), In Progress (IP, SP/UP) grading allowed
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No

PHYS THER 400B Grand Rounds (1 Units) Fall, Winter, Spring
Instructor(s): Elise M Armstrong
Prerequisite(s): Completion of physical therapy program courses, to date
Restrictions: 2nd-Year Physical Therapy DPT students only.
Activities: Lecture
This course is designed to facilitate interdisciplinary communication and interaction between doctoral students in physical therapy and professionals in other health care disciplines and the larger community on topics of mutual interest, and to assist students in developing habits of community engagement and lifelong learning. Students are encouraged to pursue educational opportunities that will help them expand their professional network and their knowledge in a practice niche.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory), In Progress (IP, SP/UP) grading allowed
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No
Repeat course for credit? No

PHYS THER 400C Grand Rounds (1 Units) Fall, Winter, Spring
Instructor(s): Elise M Armstrong
Prerequisite(s): Completion of physical therapy program courses, to date
Restrictions: 3rd-Year Physical Therapy DPT students only.
Activities: Lecture
This course is designed to facilitate interdisciplinary communication and interaction between doctoral students in physical therapy and professionals in other health care disciplines and the larger community on topics of mutual interest, and to assist students in developing habits of community engagement and lifelong learning. Students are encouraged to pursue educational opportunities that will help them expand their professional network and their knowledge in a practice niche.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory), In Progress (IP, SP/UP) grading allowed
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? No
Repeat course for credit? No
PHYS THER 410B Integrated Clinical Experience II (0.5 Units) Fall, Winter, Spring, Summer

Instructor(s): Stephen Baxter, Theresa M Jaramillo
Prerequisite(s): None

Restrictions: Enrollment in academic program in physical therapy and satisfactory completion of academic coursework with all work averaging B to enter clinical clerkships.

Activities: Clinical

Students develop their physical therapy assessment and treatment skills and integrate their didactic information by working with patients under close supervision of a licensed physical therapy clinician in the clinical setting for two full days.

School: Graduate Division
Department: Physical Therapy Program

May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No

PHYS THER 418 Terminal Clinical Experience (16 Units) Fall, Winter, Spring, Summer

Instructor(s): Lisa M Hayes, Theresa M Jaramillo
Prerequisite(s): Enrollment in graduate program in Physical Therapy. Completion of PT 801, and 802 with a minimum GPA of 3.0 in coursework to date.

Restrictions: Open only to students enrolled in DPT Program

Activities: Clinical

In a clinical setting, students treat patients and work with experienced clinicians who provide mentoring and consultation for case reviews, physical therapy techniques and review of specialty areas.

School: Graduate Division
Department: Physical Therapy Program

May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No

PHYS THER 419A Research Seminar I (0.5 Units) Winter, Spring

Instructor(s): Myriam M Chaumeil
Prerequisite(s): Enrolled in the DPT program, 2nd year standing.

Restrictions: DPT students are required to participate in both their 2nd and 3rd years.

Activities: Seminar

Each part of the PT 419A,B,C course series consists of three components: overview of a research topic, lecture and seminar series, and small group learning activities. Students will gain an understanding of the basic methodologies which are used in research in that topic, and will integrate the material presented with other coursework in the curriculum. At the end of the series, students will be able to understand and relate the relevance of research to the field of physical therapy.

School: Graduate Division
Department: Physical Therapy Program

May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No

PHYS THER 419B Research Seminar II (0.5 Units) Spring, Summer

Instructor(s): Myriam M Chaumeil
Prerequisite(s): Enrolled in the DPT program, 2nd year standing.

Restrictions: DPT students are required to participate in both their 2nd and 3rd years.

Activities: Seminar

Each part of the PT 419A,B,C course series consists of three components: overview of a research topic, lecture and seminar series, and small group learning activities. Students will gain an understanding of the basic methodologies which are used in research in that topic, and will integrate the material presented with other coursework in the curriculum. At the end of the series, students will be able to understand and relate the relevance of research to the field of physical therapy.

School: Graduate Division
Department: Physical Therapy Program

May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No
PHYS THER 419C Research Seminar III (0.5 Units) Fall
Instructor(s): Myriam M Chaumeil
Prerequisite(s): Enrolled in the DPT program, 3rd year standing.

Restrictions: DPT students are required to participate in both their 2nd and 3rd years.

Activities: Seminar

Each part of the PT 419A,B,C course series consists of three components: overview of a research topic, lecture and seminar series, and small group learning activities. Students will gain an understanding of the basic methodologies which are used in research in that topic, and will integrate the material presented with other coursework in the curriculum. At the end of the series, students will be able to understand and relate the relevance of research to the field of physical therapy.

School: Graduate Division
Department: Physical Therapy Program
May the student choose the instructor for this course? No
Does enrollment in this course require instructor approval? No
Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)
Graduate Division course: Yes
Is this a web-based online course? No
Is this an Interprofessional Education (IPE) course? No
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? No