PHYSICAL THERAPY (PHYS THER)

PHYS THER 110 Ortho & Rehab Diag/Treatment (2 Units) Winter
Instructor(s): Daniel R Keller, Theresa M Jaramillo
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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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? Yes
Does enrollment in this course require instructor approval? Yes
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? Yes
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

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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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

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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects

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? Yes
Is this an Interprofessional Education (IPE) course? Yes
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes

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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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
**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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion*  

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 problem 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?** Yes  
**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

**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: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects*  

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/Upsatisfactory)  
**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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion*  

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?** Yes  
**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?** Yes

**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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion*  

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?** Yes  
**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?** Yes  
**Is this an Interprofessional Education (IPE) course?** Yes  
**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes  
**Repeat course for credit?** Yes
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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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? Yes
Is this an Interprofessional Education (IPE) course? Yes
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? Yes

PHYS THER 201A PT Assessment I: Principles and Practice (3 Units) Spring, Summer

Instructor(s): Kai Kennedy, Amber Fitzsimmons
Prerequisite(s): Enrollment in DPT program

Restrictions: Open only to students enrolled in the DPT program or by consent or program director.

Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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? Yes
Is this an Interprofessional Education (IPE) course? Yes
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes

PHYS THER 201B PT Assessment II: Mobility is Medicine (0 Units) Fall

Instructor(s): Victoria L Cong
Prerequisite(s): PHYS THER 201A

Restrictions: Open only to students enrolled in the DPT program or by consent of program director.

Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects

Students will have the opportunity to participate in a hospital-wide quality improvement initiative at UCSF Medical Center. Students will participate in a supervised clinical experience in a physical therapy setting within the Medical Center. Special emphasis will be placed on developing professional behaviors and communication skills within an interprofessional 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: 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? No

PHYS THER 202 Therapeutic Modalities (1.5 Units) Fall

Instructor(s): 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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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
PHYS THER 203A  Systems Physiology for Physical Therapists I (2 Units)  Fall, Winter

Instructor(s): Jennifer R Kinder
Prerequisite(s): Undergraduate course in physiology.

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

Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

PT 203 is a 4 quarter unit course. Two units of the course are taught during the fall and winter quarters. Students will be introduced to the physiological principles and mechanisms that underlie the normal function, and develop an understanding of disease pathophysiology. Didactic lectures are supplemented with small group learning. Topics include: cell structure, neuromusculoskeletal, cardiopulmonary, immune, renal, acid-base balance, endocrine, reproductive, and gastrointestinal physiology.

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

PHYS THER 203B  Systems Physiology for Physical Therapists II (2 Units)  Winter

Instructor(s): Jennifer R Kinder
Prerequisite(s): Undergraduate course in physiology.

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

Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

PT 203 is a 4 quarter unit course. Two units of the course are taught during the fall and winter quarters. Students will be introduced to the physiological principles and mechanisms that underlie the normal function, and develop an understanding of disease pathophysiology. Didactic lectures are supplemented with small group learning. Topics include: cell structure, neuromusculoskeletal, cardiopulmonary, immune, renal, acid-base balance, endocrine, reproductive, and gastrointestinal physiology.

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

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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

Pathophysiology for Physical Therapists is a two-part course, A & B, 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
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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

Pathophysiology for Physical Therapists is a two-part course, A & B, 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? Yes
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

PHYS THER 205 Functional Anatomy Review (2 Units) Spring
Instructor(s): Jennifer R Kinder
Prerequisite(s): PT 200 or equivalent

Restrictions: None.
Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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 prospected 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? Yes
Does enrollment in this course require instructor approval? Yes
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? Yes
Is this an Interprofessional Education (IPE) course? Yes
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes

PHYS THER 206 Application of Principles of Learning: PT Problem Solving (3 Units) Fall, Winter, Spring, Summer
Instructor(s): Staff
Prerequisite(s): Completion of the DPT Program coursework from Year 1 and Partial Year 2 Curriculum

Restrictions: Open only to students enrolled in the DPT program.
Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects

This is a required instructional laboratory course in physical therapy problem solving for second year physical therapy students. It is taught by faculty members of the Graduate Program in Physical Therapy. This course is designed to strengthen your understanding of foundational physical therapy knowledge, integrate educational learning strategies, and improve problem solving skills by giving you the opportunity to serve as a teaching assistant in courses within the DPT curriculum.

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? Yes
Course Grading Convention: P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)
Graduate Division course: Yes
Is this a web-based online course? Yes
Is this an Interprofessional Education (IPE) course? Yes
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes

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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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? Yes
Is this an Interprofessional Education (IPE) course? Yes
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
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, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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? Yes
Does enrollment in this course require instructor approval? Yes
Course Grading Convention: Letter Grade
Graduate Division course: Yes
Is this a web-based online course? Yes
Is this an Interprofessional Education (IPE) course? Yes
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? 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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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? Yes
Is this an Interprofessional Education (IPE) course? Yes
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes

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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects

This 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? Yes
Is this an Interprofessional Education (IPE) course? Yes
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes

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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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? Yes
Is this an Interprofessional Education (IPE) course? Yes
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects

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

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.

Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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

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.

Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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

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 DPT Program.

Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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

PHYS THER 216B Compassion, Accountability, Responsibility, & Excellence IV (0.5 Units) Winter
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.
Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion
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

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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion
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

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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion
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
PHYS THER 218C  Therapeutic Exercise: Advanced Prescription & Manual Therapy (1.5 Units) Fall, Summer

Instructor(s): Luc Fecteau, Andrew J. Lui
Prerequisite(s): PT 200ABC, PT 201AB, PT 706, KIN746, PT 731/742/743, PT720, PT710/11, PT218AB

Restrictions: Third-year DPT students

Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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? Yes
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

PHYS THER 218D  Therapeutic Exercise: Exercise for Special Populations (1.5 Units) Winter

Instructor(s): Luc Fecteau
Prerequisite(s): PT200ABC, PT 201AB, PT 706, KIN746, PT 731/742/743, PT720, PT710/11, PT218AB

Restrictions: Third-year DPT students

Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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

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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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: 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

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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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: 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? No
PHYS THER 249 Independent Study (0.5–7.5 Units) Fall, Winter, Spring, Summer

Instructor(s): Staff
Prerequisite(s): Enrollment in a doctoral studies in the UCSF/SFSU Graduate Program in Physical Therapy or consent of instructor.

Restrictions: None

Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

This course allows the students to rotate through different faculty laboratories to learn new instrumentation and scientific methodology as well as undertake an individual study with emphasis on special problems in physical therapy including areas related to the student's long term interests, future research interests or clinical specialization.

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? Yes
Course Grading Convention: Letter Grade, P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: Yes
Is this a web-based online course? Yes
Is this an Interprofessional Education (IPE) course? Yes
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? Yes

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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects

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? Yes
Does enrollment in this course require instructor approval? Yes
Course Grading Convention: Letter Grade, P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

Graduate Division course: Yes
Is this a web-based online course? Yes
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

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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects

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? Yes
Does enrollment in this course require instructor approval? Yes
Course Grading Convention: Letter Grade, 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

PHYS THER 297 Physical Therapy Related Study (0 Units) Fall, Winter, Spring, Summer

Instructor(s): Theresa M Jaramillo
Prerequisite(s): None

Restrictions: None

Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects

Full time study in other Physical Therapy Program components at UCSF or its joint institution.

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
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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion
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

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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion
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

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, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion
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? Yes
Is this an Interprofessional Education (IPE) course? Yes
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes
Repeat course for credit? Yes

PHYS THER 410A Integrated Clinical Experience I (0.5 Units) Fall, Winter, Spring
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: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects
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 clinical 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? Yes
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: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects

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

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: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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? Yes
Is this an Interprofessional Education (IPE) course? Yes
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes

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: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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? Yes
Is this an Interprofessional Education (IPE) course? Yes
May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course? Yes

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: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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
**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: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects, Lab skills, Lab science, Conference, Discussion

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

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**PHYS THER 420A Mentored Research Concentration (2.5 Units) Winter, Spring, Summer**

*Instructor(s):* Kimberly S. Topp  
*Prerequisite(s):* Enrolled in the DPT program, 2nd year standing.

Restrictions: DPT students must participate in both their 2nd and third years.

Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects

Students have the option of pursuing a research concentration pathway. This pathway includes all requirements of the PT 419 Research Seminar. As a mentored research experience, students are both supervised and work alone or as part of a team on a research project. Research mentors include faculty within the UCSF/SFSU Graduate Program in Physical Therapy, UCSF/SFSU researchers outside of the Program, as well as faculty at consortium institutions.

**School:** Graduate Division  
**Department:** Physical Therapy Program

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**PHYS THER 420B Mentored Research Concentration (2.5 Units) Winter, Spring, Summer**

*Instructor(s):* Kimberly S. Topp  
*Prerequisite(s):* Enrolled in the DPT program, 2nd year standing.

Restrictions: DPT students must participate in both their 2nd and third years.

Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects

Students have the option of pursuing a research concentration pathway. This pathway includes all requirements of the PT 419 Research Seminar. As a mentored research experience, students are both supervised and work alone or as part of a team on a research project. Research mentors include faculty within the UCSF/SFSU Graduate Program in Physical Therapy, UCSF/SFSU researchers outside of the Program, as well as faculty at consortium institutions.

**School:** Graduate Division  
**Department:** Physical Therapy Program

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**PHYS THER 420D Mentored Research Concentration (2.5 Units) Winter**

*Instructor(s):* Kimberly S. Topp  
*Prerequisite(s):* Enrolled in the DPT program, 3rd year standing.

Restrictions: DPT students must participate in both their 2nd and third years.

Activities: Lecture, Seminar, Clinical, Fieldwork, Independent Study, Project, Web work, Workshop, Practical Experience, Special Projects

Students have the option of pursuing a research concentration pathway. This pathway includes all requirements of the PT 419 Research Seminar. As a mentored research experience, students are both supervised and work alone or as part of a team on a research project. Research mentors include faculty within the UCSF/SFSU Graduate Program in Physical Therapy, UCSF/SFSU researchers outside of the Program, as well as faculty at consortium institutions.

**School:** Graduate Division  
**Department:** Physical Therapy Program