

» **Course Listing for Physical Therapy**

Quarter offered: All

110 Ortho & Rehab Diag/Treatment (2 units) Winter

Instructor(s): C. Allen *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, Field Work

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.

111 Neurology & Rehab Diag/Treatment (3 units) Fall

Instructor(s): A. Scheid *Prerequisite(s):* completion of PT 200, Anatomy 103.01, and Pathology 135.01 or by consent of program director

Activities: Lecture

Course presents the diagnostic and medical principles which guide decision making and clinical management by the neurologist. Contraindications, precautions, and diagnosis of the different neurological diseases are discussed to guide decision making by the physical therapist.

112 Human Growth and Development Across Lifespan (3 units) Winter, Spring

Instructor(s): S. Radtka *Prerequisite(s):* Human anatomy and human physiology from an accredited institution.

Restrictions: Open only to students enrolled in the DPT program or by consent of program director. *Activities:* Lecture, Laboratory

Introduction of motor learning and motor control concepts as applied to functional movement and balance across the lifespan. Normal human growth and development across the lifespan with emphasis on physical motor, sensory, perceptual, cognitive, language, and psychosocial changes and their impact on functional movement. Implications for physical therapy assessments of infants, children, adolescents and adults with developmental and age-related

functional movement and balance problems.

197 Negotiation in Health Policy & Practice (1 units) Fall

Instructor(s): T. Brock, D. Apollonio *Prerequisite(s):* None

Restrictions: Open to physical therapy students under this course number; pharmacy students take as CP 133 *Activities:* Lecture

Despite possessing specialized training that can be an advantage in resolving conflict, health professionals often lack confidence in their ability to negotiate. This course teaches methods that allow health professionals to assert their own and their patients' interests while defusing the tension that arises when multiple parties have competing goals. These skills can be used in direct patient care and in advancing wider health policies.

198 Supervised Study (1 - 5 units) Fall, Winter, Spring

Instructor(s): Staff *Prerequisite(s):* Approval by instructor

This course is designed to permit physical therapy students to do independent clinical research under the supervision of faculty. This course can be repeated as approved by faculty. It cannot be used as a substitute for core curriculum coursework.

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: Must be enrolled in the physical therapy program. *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.

200A Neuromusculoskeletal Anatomy (5 units) Fall, Winter, Spring, Summer

Instructor(s): K. Topp *Prerequisite(s):* Upper division human anatomy and human physiology or consent of instructor.

Restrictions: None *Activities:* Lecture

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.

200B Neuromusculoskeletal Anatomy (0.5 units) Fall, Winter, Spring, Summer

Instructor(s): K. Topp *Prerequisite(s):* Upper division human anatomy and human physiology or consent of instructor.

Restrictions: None *Activities:* Lecture

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.

200C Neuromusculoskeletal Anatomy (0.5 units) Fall, Winter, Spring, Summer

Instructor(s): K. Topp *Prerequisite(s):* Upper division human anatomy and human physiology or consent of instructor.

Restrictions: None *Activities:* Lecture

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.

201A PT Assessment (3 units) Summer

Instructor(s): A. Fitzsimmons *Prerequisite(s):* Human Anatomy or Comparative Anatomy with laboratory (undergraduate level; 3 semester or 4 quarter units). Human Physiology with laboratory (undergraduate level; 4 semester or 5 quarter units).

Restrictions: Open only to students enrolled in the DPT program or by consent or program director. *Activities:* Lecture, Laboratory

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 in lecture and laboratory settings.

201B PT Assessment (0 units) Fall

Instructor(s): **A. Fitzsimmons** *Prerequisite(s):* PHYS THER 201A

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

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 a interprofessional environment.

202 Therapeutic Modalities (1.5 units) Fall

Instructor(s): **K. Topp** *Prerequisite(s):* Completion of prerequisite coursework in exercise physiology and human physiology or by consent of program director

Restrictions: None. *Activities:* Lecture, Laboratory

In lecture and laboratory setting, physiological, theoretical, and administrative principles are applied to the application of therapeutic modalities and the design and implementation of therapeutic exercise programs to prevent disability, maintain positive health, and restore function.

205 Functional Anatomy Review (1.5 units) Fall, Winter, Spring

Instructor(s): **K. Topp** *Prerequisite(s):* PT 200 or equivalent

Activities: Lecture, Laboratory

This course is designed for physical therapists. Using prosected (and/or dissected) cadavers, the student is expected to relate the structures to clinical kinesiology, biomechanics, and the pathological state. Students are expected to critically review research in applied anatomy.

206 Application of Principles of Learning (3 units) Fall, Winter, Spring, Summer

Instructor(s): **Staff** *Prerequisite(s):* MS-DPT first year courses; PT 704 Education and Learning.

Restrictions: Open only to students enrolled in the MS-DPT program. *Activities:* Laboratory

Student will use clinical case examples, patient care situations, directed observation,

demonstrations and clinical measurements to teach alongside faculty. The student will apply the principles of education and learning in instruction of first year, MS-DPT in problem solving and clinical skills.

207 Medical Screening for Physical Therapists (4.5 units) Fall, Winter, Spring, Summer

Instructor(s): **K. Topp** *Prerequisite(s):* Enrolled in the DPT or DPTSc course or approval of instructor.

Restrictions: None. *Activities:* Lecture, Laboratory

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.

208 Doctoral Colloquia (1 - 1.5 units) Fall, Winter, Spring, Summer

Instructor(s): **K. Topp** *Prerequisite(s):* Enrollment in the UCSF/SFSU Doctoral Program in Physical Therapy Science.

Restrictions: None. *Activities:* Seminar

Doctoral Sci students in Physical Therapy Science and Rehabilitation Science enroll in this seminar throughout their course of doctoral sci studies. This course provides a forum for discussion of the current research of students and faculty members, as well as discussions of practice influence on research and translation of research to practice.

209 Evidence Based Practice in PT (3 units) Fall, Winter, Spring, Summer

Instructor(s): **D. Allen** *Prerequisite(s):* Enrolled in DPT or DPTSc or consent of instructor.

Activities: 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.

210 Radiology for Physical Therapists (2 units) Winter, Spring, Summer

Instructor(s): **R. Souza** *Prerequisite(s):* Successful completion of first year in Physical Therapy.

Restrictions: Enrollment in DPT program. *Activities:* Lecture

This is a survey course in radiology. It includes principles, indications, advantages and disadvantages of appropriate radiological techniques for diagnosing skeletal and soft tissue lesions common in patients referred to physical therapy.

211 Pharmacology for Physical Therapists (2 units) Winter, Spring

Instructor(s): T. Brock *Prerequisite(s):* Successful completion of first year in Physical Therapy program.

Restrictions: Enrollment in Masters Entry Program in Physical Therapy. *Activities:* Lecture

This a survey course on pharmacological topics that are relevant to rehabilitaton 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.

212A Muscle Biology and Therapeutic Exercise Prescription (1.5 units) Fall, Winter, Spring, Summer

Instructor(s): A. Lui *Prerequisite(s):* Enrolled in DPT or DPTSc program or consent of instructor.

Restrictions: None *Activities:* Lecture, Seminar

This required course for DPT students will cover the basic biology of muscle and nerve including the effects of exercise, modalities, drugs, manual techniques and disease on repair and regeneration.

212B Advanced Therapeutic Exercise Prescription (1.5 units) Fall, Winter, Spring, Summer

Instructor(s): C. DaPrato *Prerequisite(s):* Enrolled in DPT or DPTSc program or consent of instructor.

Restrictions: None *Activities:* Lecture, Seminar, Laboratory

This required course for DPT students will cover the basic biology of muscle and nerve including the effects of exercise, modalities, drugs, manual techniques and disease on repair and regeneration.

213 Neurological Pathokinesiology II (2 units) Fall, Spring, Summer

Instructor(s): **E. 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.

214 Administration and Organization in Physical Therapy (3 units) Spring, Summer

Instructor(s): **K. Topp, C. Holland** *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.

215 Compassion, Accountability, Responsibility, and Excellence (0.5 - 1 units) Fall, Winter, Spring, Summer

Instructor(s): **A. Fitzsimmons** *Prerequisite(s):* None

Restrictions: Must be enrolled in the Physical Therapy program. *Activities:* Lecture

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.

215B Compassion, Accountability, Responsibility, and Excellence (1 units) Fall

Instructor(s): **A. Fitzsimmons** *Prerequisite(s):* None

Restrictions: Must be enrolled in the Physical Therapy program. *Activities:* Lecture

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.

217B Compassion, Accountability, Responsibility, and Excellence (0.5 units) Fall

Instructor(s): **A. Fitzsimmons** *Prerequisite(s):* None

Restrictions: Must be enrolled in the Physical Therapy program. *Activities:* Lecture

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.

248 Group Independent Study (1 - 6 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.

Activities: Field Work, Laboratory, Project

This course allows the students to collaborate in the development and presentation of a project, a clinical investigation, or other studies of special problems in physical therapy and the health science under the direction of faculty. Students may select areas related to their long term interest, future research or clinical specialization program.

249 Independent Study (1 - 6 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:* Seminar, Field Work, Laboratory, Project

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.

250 Research (1 - 8 units) Fall, Winter, Spring

Instructor(s): **Staff** *Prerequisite(s):* Enrollment in the UCSF/SFSU Doctoral Program in Physical Therapy Science.

Activities: Laboratory

Laboratory rotations for doctoral students enrolled in the Physical Therapy Science Program.

251A Research Design (3 units) Summer

Instructor(s): B. Smoot *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.

251B Research Design (1.5 units) Fall

Instructor(s): B. Smoot *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.

253 Research Seminar: Proposal Writing (1 units) Fall, Winter, Spring

Instructor(s): K. Topp *Prerequisite(s):* grade B or better in PT 252 or by consent of program director

Activities: Seminar

Converting the research question to a research hypothesis, and proposal writing including preparation of a proposal for a research project.

supervision of instructor in charge. Laboratory teaching, presentation of lecture material, experience in setting up and correcting of examinations, and participation in course are included..

400A Grand Rounds (1 units) Fall, Winter, Spring, Summer

Instructor(s): **K. Topp** *Prerequisite(s):* Enrollment in the UCSF/SFSU Graduate Program in Physical Therapy.

Restrictions: None *Activities:* Lecture, Laboratory

Doctoral students in Physical Therapy Science participate within an interdisciplinary discussion and presentation of special topics by attending weekly grand rounds or weekly seminars in an area appropriate to their specialization, but outside physical therapy (e.g., neurology, orthopedic surgery, pediatrics, medicine, neuroscience, cancer, pain). Each student must provide one presentation within the Department of Physical Therapy Rehabilitation Science.

400B Grand Rounds (1 units) Fall, Winter, Spring, Summer

Instructor(s): **K. Topp**

Restrictions: None *Activities:* Lecture, Project

Doctoral students in Physical Therapy Science participate within an interdisciplinary discussion and presentation of special topics by attending weekly grand rounds or weekly seminars in an area appropriate to their specialization, but outside physical therapy (e.g., neurology, orthopedic surgery, pediatrics, medicine, neuroscience, cancer, pain). Each student must provide one presentation within the Department of Physical Therapy Rehabilitation Science.

400C Grand Rounds (1 units) Fall, Winter, Spring, Summer

Instructor(s): **K. Topp**

Restrictions: None *Activities:* Lecture, Project

Doctoral students in Physical Therapy Science participate within an interdisciplinary discussion and presentation of special topics by attending weekly grand rounds or weekly seminars in an area appropriate to their specialization, but outside physical therapy (e.g., neurology, orthopedic surgery, pediatrics, medicine, neuroscience, cancer, pain). Each student must provide one presentation within the Department of Physical Therapy Rehabilitation Science.

410A Integrated Clinical Experience (0.5 units) Fall, Winter, Spring

Instructor(s): S. Pawlowsky 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 Experience/Patient Contact

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.

410B Integrated Clinical Experience (0.5 units) Fall, Winter, Spring, Summer

Instructor(s): S. Pawlowsky 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 Experience/Patient Contact

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.

411 Clinical Clerkship (0.5 units) Winter, Spring

Instructor(s): T. Jaramillo Prerequisite(s): Enrolled in Graduate Program in Physical Therapy and satisfactory completion of academic coursework with overall B average to enter the clinical clerkships

Activities: Clinical Clerkship

Students develop their physical therapy assessment skills and integrate their didactic information with patient treatment by working closely with a clinical preceptor in the clinical setting to evaluate patients under supervision and directly observe staff provide physical therapy treatment.

418 Final Internship (4 - 11 units) Fall, Winter, Spring, Summer

Instructor(s): T. Jaramillo Prerequisite(s): Enrollment in graduate program in Physical Therapy. PT 801, 802, and 803 with a minimum GPA of 3.0 in coursework to date.

Restrictions: Open only to students enrolled in DPT Program *Activities:* Seminar, Clinical

Clerkship

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.

419A Research Seminar (1 units) Winter, Spring

Instructor(s): **L. Noble** *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

PT 419A,B,C,D is a 4-quarter unit course series. This course consists of three components: overview of a research topic, lecture and seminar series, and small group learning activities. Students will gain an understanding of basic methodologies that are used in this research and will integrate the material presented with other coursework in the curriculum. At the end of the course, students will be able to understand and relate the relevance of research to the field of physical therapy.

419B Research Seminar (1 units) Spring, Summer

Instructor(s): **L. Noble** *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

PT 419 is a 4-quarter unit course series. This course consists of three components: overview of a research topic, lecture and seminar series, and small group learning activities. Students will gain an understanding of basic methodologies that are used in this research and will integrate the material presented with other coursework in the curriculum. At the end of the course, students will be able to understand and relate the relevance of research to the field of physical therapy.

419C Research Seminar (1 units) Fall

Instructor(s): **L. Noble** *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

PT 419 is a 4-quarter unit course series. This course consists of three components: overview of a research topic, lecture and seminar series, and small group learning activities. Students will

gain an understanding of basic methodologies that are used in this research and will integrate the material presented with other coursework in the curriculum. At the end of the course, students will be able to understand and relate the relevance of research to the field of physical therapy.

419D Research Seminar (1 units) Winter

Instructor(s): L. Noble *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

PT 419 is a 4-quarter unit course series. This course consists of three components: overview of a research topic, lecture and seminar series, and small group learning activities. Students will gain an understanding of basic methodologies that are used in this research and will integrate the material presented with other coursework in the curriculum. At the end of the course, students will be able to understand and relate the relevance of research to the field of physical therapy.

420A Mentored Research Concentration (2.5 units) Winter, Spring, Summer

Instructor(s): L. Noble *Prerequisite(s):* Enrolled in the DPT program, 2nd year standing.

Restrictions: DPT students must participate in both their 2nd and third years. *Activities:* Field Work

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.

420B Mentored Research Concentration (2.5 units) Winter, Spring, Summer

Instructor(s): L. Noble *Prerequisite(s):* Enrolled in the DPT program, 2nd year standing.

Restrictions: DPT students must participate in both their 2nd and third years. *Activities:* Field Work

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.

420C Mentored Research Concentration (2.5 units) Fall

Instructor(s): **L. Noble** *Prerequisite(s):* Enrolled in the DPT program, 3rd year standing.

Restrictions: DPT students must participate in both their 2nd and third years. *Activities:* Field Work

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.

420D Mentored Research Concentration (2.5 units) Winter

Instructor(s): **L. Noble** *Prerequisite(s):* Enrolled in the DPT program, 3rd year standing.

Restrictions: DPT students must participate in both their 2nd and third years. *Activities:* Field Work

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.

Physical Therapy Discipline Courses

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- PT 700 Multisystem Pathokinesiology (<http://courses.sfsu.edu/courses/41448>)
- PT 704 Education, Health Promotion, Wellness, and Prevention in Physical Therapy (<http://courses.sfsu.edu/courses/41449>)
- PT 705 Administration and Organization in Physical Therapy (<http://courses.sfsu.edu/courses/41450>)
- PT 706 Structure, Function and Motion in Physical Therapy (<http://courses.sfsu.edu/courses/41451>)
- PT 710 Neurological Pathokinesiology I (<http://courses.sfsu.edu/courses/45709>)
- PT 711 Neurological Pathokinesiology II (<http://courses.sfsu.edu/courses/45710>)
- PT 720 Cardiopulmonary Pathokinesiology I (<http://courses.sfsu.edu/courses/41454>)
- PT 735 Psychosocial Issues in Rehabilitation Sciences, Part I (<http://courses.sfsu.edu/courses/41455>)
- PT 736 Ecological and Organizational Issues in Rehabilitation (<http://courses.sfsu.edu/courses/41456>)
- PT 737 Psychosocial Issues in Rehabilitation Science, Part II (<http://courses.sfsu.edu/courses/200204>)
- PT 741 Musculoskeletal Pathokinesiology I (<http://courses.sfsu.edu/courses/45712>)
- PT 742 Musculoskeletal Pathokinesiology II (<http://courses.sfsu.edu/courses/45713>)
- PT 743 Musculoskeletal Pathokinesiology III (<http://courses.sfsu.edu/courses/41459>)
- PT 801 Clinical Clerkship I (<http://courses.sfsu.edu/courses/41460>)
- PT 802 Clinical Clerkship II (<http://courses.sfsu.edu/courses/41461>)
- PT 803 Clinical Clerkship III (<http://courses.sfsu.edu/courses/45714>)
- PT 890 Research Seminar in Physical Therapy (<http://courses.sfsu.edu/courses/41463>)
- PT 899 Independent Study (<http://courses.sfsu.edu/courses/41464>)
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Course Descriptions

Web Contact: bulletin@sfsu.edu

PT 700: Multisystem Pathokinesiology (Units: 4)

Description:

Prerequisites: PT 201, PT 202, PATH 135.

Restricted to graduate students in Physical Therapy. An integrated approach to the pathological, anatomical, evaluation, treatment and management considerations related to patients with multi-systems dysfunctions, with a focus on physical therapy practice in the acute care environment. Long-term management, adaptive equipment/procedures, and preventative aspects of care are also discussed. Classwork, 2 units; laboratory, 2 units. (Plus-minus letter grade; no CR/NC allowed; RP)

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Course Descriptions

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PT 704: Education, Health Promotion, Wellness, and Prevention in Physical Therapy (Units: 2)

Description:

Prerequisite: Restricted to graduate students in Physical Therapy.

Principles of communication, learning and memory affecting physical therapists' roles as an educator in individualized patient and caregiver instruction, staff development programs, community health, wellness, and prevention programs. (Plus-minus letter grade; no CR/NC allowed; RP)

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PT 705: Administration and Organization in Physical Therapy (Units: 2)

Description:

Prerequisite: Restricted to graduate students in Physical Therapy.

Specific administrative and planning skills required for physical therapy practice in various settings. Quality assurance, documentation, personnel and fiscal management, planning, contracting, health services administration, health care team, professional and medical-legal issues. (Plus-minus letter grade only.)

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PT 706: Structure, Function and Motion in Physical Therapy (Units: 2)

Description:

Prerequisite: Admission into the MS-DPT program.

Combine knowledge of human anatomy with basic structural and kinesiological principles to understand normal functional motion of the spine, trunk, and extremities in preparation for the analysis of abnormal human motion in the Neuromusculoskeletal Pathokinesiology PT course series. 1 unit seminar, 1 unit laboratory. (Plus-minus letter grade only.)

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PT 710: Neurological Pathokinesiology I (Units: 4)

Description:

Prerequisite: Restricted to graduate students in Physical Therapy.

Pathokinesiological and neuromotor principles applied to physical therapy assessment and intervention for neurological dysfunction; physical rehabilitation of adults with neurological impairments, limitations, and disability from trauma, tumors, vascular problems, infectious or degenerative diseases. Classwork, 2 units; laboratory, 2 units. (Plus-minus letter grade only.)

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PT 711: Neurological Pathokinesiology II (Units: 3)

Description:

Prerequisite: PT 710.

Restricted to graduate students in Physical Therapy. Pathokinesiological and neuromotor principles applied to examination, evaluation, diagnosis, prognosis, plan of care and intervention of neurological dysfunction in pediatric patients. Includes dysfunction from trauma, congenital defects, and degenerative diseases. Classwork, 2 units; laboratory, 1 unit. (Plus-minus letter grade only)

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PT 720: Cardiopulmonary Pathokinesiology I (Units: 2)

Description:

Prerequisite: Restricted to graduate students in Physical Therapy.

Assessment and treatment of kinesiological/physiological dysfunction of cardiac and pulmonary systems. Physical rehabilitation or training for cardiac and/or pulmonary limitations arising from trauma, disease, congenital defect, or life style. Classwork, 1 unit; laboratory, 1 unit. (Plus-minus letter grade only.)

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PT 735: Psychosocial Issues in Rehabilitation Sciences, Part I (Units: 2)

Description:

Prerequisite: Restricted to graduate students in Physical Therapy.

Exploration of one's individual biases, values, and judgments of psychosocial factors that influence patient and physical therapist interactions; identifying key psychosocial issues and providing intervention and support services where appropriate. (Plus-minus letter grade only.)

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PT 736: Ecological and Organizational Issues in Rehabilitation (Units: 3)

Description:

Prerequisite: Restricted to graduate students in Physical Therapy.

Cultural, environmental, and legislative issues affecting accessibility of physical therapy and related services. Sociocultural issues relative to quality of health as a right; influences of political and fiscal climates on trends in models of health care delivery. (Plus-minus letter grade only.)

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PT 737: Psychosocial Issues in Rehabilitation Science, Part II (Unit: 1)

Description:

Prerequisite: Restricted to graduate students in Physical Therapy.

Exploration of one's individual biases, values, and judgments of psychosocial factors that influence patient and physical therapist interactions; identifying key psychosocial issues and providing intervention and support services where appropriate. (Plus-minus letter grade only)

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PT 741: Musculoskeletal Pathokinesiology I (Units: 4)

Description:

Prerequisites: PT 200, PT 201, and PT 706.

Restricted to graduate students in Physical Therapy. Surface anatomy, basic structure, biomechanical principles applied to the understanding of normal and abnormal human motion in the lower extremities and to the analysis of physical function. Examination, evaluation, treatment skills for musculoskeletal disorders. Classwork, 2 units; laboratory, 2 units. (Plus-minus letter grade only.)

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PT 742: Musculoskeletal Pathokinesiology II (Units: 4)

Description:

Prerequisite: PT 741.

Restricted to graduate students in Physical Therapy. Surface anatomy, basic structure, biomechanical principles applied to the analysis of normal/ abnormal human motion, and physical function in the spine, pelvis, upper extremities. Examination, evaluation, and treatment skills for musculoskeletal disorders. Classwork, 2 units; laboratory, 2 units. (Plus-minus letter grade only.)

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PT 743: Musculoskeletal Pathokinesiology III (Units: 3)

Description:

Prerequisites: PT 741, PT 742.

Restricted to graduate students in Physical Therapy. Assessment and therapeutic techniques in management of complex patients with musculoskeletal problems. Evaluation and application of research. Problem solving. Patient presentation; evaluation of new techniques. Classwork, 2 units; laboratory, 1 unit. (Plus-minus letter grade only.) [Formerly PT 702]

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PT 801: Clinical Clerkship I (Units: 6)

Description:

Prerequisites: Successful completion of year 1 coursework with minimum GPA of 3.

0. Restricted to graduate students in Physical Therapy. Full-time 8 week clinical affiliation. Students participate in patient care, attend clinic meetings and seminars, present an inservice, write personal clinical goals, and reflections. (CR/NC grading only, RP.)

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PT 802: Clinical Clerkship II (Units: 6)

Description:

Prerequisites: Successful completion of year 2 coursework with minimum GPA of 3.

0. Restricted to graduate students in Physical Therapy. Full-time 8 week clinical affiliation. Students participate in patient care, attend clinic meetings and seminars, present an inservice, submit case reports, and write personal clinical goals, and reflections. (CR/NC grading only, RP)

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PT 803: Clinical Clerkship III (Units: 6)

Description:

Prerequisites: Successful completion of year 2 coursework with minimum GPA of 3.

0. Restricted to graduate students in Physical Therapy.

Full-time 8 week clinical affiliation. Students participate in patient care, attend clinic meetings and seminars, present an inservice, submit case reports, and write personal clinical goals, and reflections. (CR/NC only, RP)

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PT 890: Research Seminar in Physical Therapy (Units: 3)

Description:

Prerequisite: PT 253.

Restricted to graduate students in Physical Therapy. Research designs, problem solving, methodologies, and data analysis for specific topics in basic and clinical physical therapy research. Implementation of one facet of an on-going project, under guidance of the principal investigator. (CR/NC grading only)

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PT 899: Independent Study (Units: 1 - 3)

Description:

Prerequisite: Consent of major adviser and supervising faculty member.

Restricted to graduate students in Physical Therapy. Independent study or research planned, developed, and completed under the direction of a faculty member. Open only to graduate students who have demonstrated ability to do independent work. May be repeated for a total of 6 units.

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PT 908: Professional Colloquium (Unit: 1)

Description:

Prerequisites: Admission to DPT program and PT 208 (UCSF).

Topics relative to evidence based PT practice: ethics, human subjects, research, authorship, scientific writing; and to professional issues: legislation, direct access to PT services, and reimbursement for services. (Plus-minus letter grade only.)

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PT 910: Evidence Based Practice (Units: 4)

Description:

Prerequisite: Successful completion of PT 209 or the equivalent, or consent of instructor.

Restricted to graduate students in physical therapy. Students will continue the evidence-based review they started in PT 209, performing a meta analysis to answer their own research question. Students will present their findings orally and in a publication-style manuscript for the DPT culminating experience. (Plus-minus letter grade only.)

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PT 920: Case Reports I (Unit: 1)

Description:

Prerequisite: Restricted to graduate students in physical therapy.

Research and preparation of a case report on the diagnosis and treatment of a patient care problem relevant to physical therapy. (CR/NC grading only.)

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PT 921: Case Reports II (Units: 4)

Description:

Prerequisite: PT 920; restricted to graduate students in physical therapy.

Research, preparation, and presentation of a case report on the diagnosis and treatment of a patient care problem relevant to physical therapy.

(Plus-minus letter grade; CR/NC not allowed; RP)

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PT 930: Mentored Clinical Clerkship (Units: 6)

Description:

Prerequisites: PT 801, PT 802, and PT 803; minimum GPA of 3.0 in coursework to date.

Restricted to graduate students in physical therapy. 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; full-time 8 week clinical experience. May be repeated for a total of 12 units. (CR/NC grading)

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PT 960: Teaching Practicum (Units: 3)

Description:

Prerequisites: Acceptance into the doctoral program in physical therapy; PT 704 or equivalent.

Develop necessary teaching skills for classroom, clinic, and laboratory. Students take this course at least twice and teach in the clinic at least one semester and in the classroom, one semester. May be repeated for a total of 12 units. (CR/NC grading only)

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PT 990: Doctoral Colloquium (Unit: 1)

Description:

Prerequisites: Restricted to doctoral students in physical therapy and California licensure.

Forum for discussion on current research, application of research to practice. Students participate in all semesters in the doctoral program and are responsible for planning at least one session. (CR/NC grading only.) Must be repeated for a minimum of 4 units; may not be taken for more than 8 units.

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PT 996: Directed Studies (Units: 3)

Description:

Prerequisite: Restricted to doctoral students in physical therapy.

Development of research skills in preparation for doctoral laboratory original research. Student will be in a laboratory setting with faculty, post-doctoral and pre-doctoral students. Consists of seminars, journal clubs, and laboratory assignments. May be repeated for a total of 9 units. (CR/NC grading only)

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PT 997: Research (Units: 2)

Description:

Prerequisites: Nine units of PT 996 or UCSF equivalent; passing score on Oral Comp exam.

Restricted to doctoral students in physical therapy. Collection of data on original research project under the direction of dissertation advisor and dissertation committee. Determination of objectives and evaluation criteria by advisor based on stage of the project. May be repeated for a total of 8 units. (CR/NC grading)

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