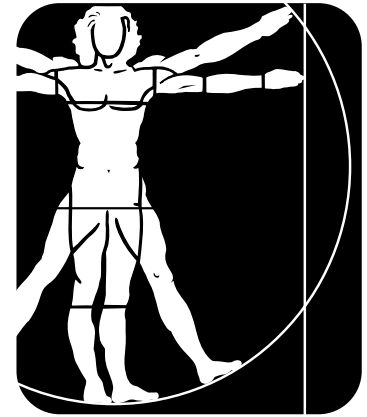




NOTE:

This document is specific to the
2002-2004 printed catalog.

physical therapy



MASTER OF PHYSICAL THERAPY

PROGRAM DESCRIPTION

The mission of the California State University, Sacramento Program in Physical Therapy is to educate competent physical therapy generalist practitioners who demonstrate ethical, responsible, professional behavior, who are sensitive to cultural and psycho social differences, who utilize critical thinking and problem solving, who practice life long learning, and who provide services that contribute to the optimal health and function of the residents of the communities they serve.

The Program in Physical Therapy at California State University, Sacramento is one of several professional curricula in the College of Health and Human Services. The Program complements others in the College and provides opportunities for research, instructional collaboration, and interaction.

The Graduate Program, which encompasses seven consecutive trimesters, including summers, includes didactic instruction, laboratory experience, and clinical education. The clinical component consists of thirty weeks of full-time, off-campus clinical internships leading to a Certificate of Clinical Competence in Physical Therapy. Following completion of both the clinical and regular academic program, students are awarded a Master's in Physical Therapy and will be eligible to take the national licensure examination. Admission is for fall semester only. Classes are offered primarily during daytime hours and full-time study is required.

The Master's in Physical Therapy has been granted interim accreditation by the Commission on Accreditation in Physical Therapy Education/APTA. The commission can be contacted for questions at 1111 North Fairfax Street, Alexandria, VA 22314-1488, (703) 684-2782.

Computer facilities are available for self-guided and interactive learning experiences.

FACULTY

Susan McGinty, *Director*

Ed Barakatt, Heather Carling-Smith, Jancis Dennis, Patricia Harris, Clare Lewis, Susan McGinty

Jerri McAtee, *Administrative Support Coordinator*
Program Office, Solano Hall 4000, (916) 278-6426

Admission Requirements

Applicants must meet the following conditions:

- Submit their CSU Application for Graduate Admission to the University for Fall enrollment and be eligible for admission to CSUS.
- Submit their complete PT Application to the Physical Therapy office.
- Have received (or will receive by the end of the Summer semester) a baccalaureate degree from an accredited college or university.
- Have completed all prerequisite coursework by the January 15th deadline with the exception of four courses. These remaining courses must be completed in the Spring and/or Summer semester (a maximum of two of these courses may be completed during the Summer).
- Have a minimum of 2.5 GPA for the last 60 semester units.
- Have a minimum of 3.0 GPA in the prerequisite coursework.
- Submit Graduate Record Examination (GRE) scores (analytical, quantitative, and verbal) by January 15th.
- Have an accumulated and documented a minimum of 100 hours of volunteer or paid experience in at least two physical therapy settings (inpatient, outpatient, home, SNF, etc.) under the direct supervision of a physical therapist.
- Applicants who do not possess a bachelor's degree from a post secondary institution where English is the principal language must demonstrate competence in English by scoring a minimum of 550 on the Test of English as a Foreign Language (TOEFL).

CAREER POSSIBILITIES

Hospitals • Ambulatory Care Centers • Private Practice • Sports Medicine Centers • Rehabilitation Centers • Industries • Extended Care Facilities • Home Health Care • Schools • University Teaching and Research • Consulting

Application Procedures

- Apply for admission to the University by submitting the CSU Application for Graduate Admissions and the \$55 Application Fee by January 15th of the year of anticipated Fall enrollment to:
 - Graduate Studies
 - California State University, Sacramento
 - 6000 J Street
 - Sacramento, CA 95819-6112
 - Phone: (916) 278-6470

You will be advised by the Graduate Center of any additional documents needed to determine eligibility for admission to the University. These documents must be submitted to the CSUS Graduate Center no later than January 15th.
- Request a Physical Therapy Program Application (available in October) by sending a self-addressed, 9" X 12" manila envelope, with postage attached, to:
 - Admissions Committee
 - California State University, Sacramento
 - Program in Physical Therapy
 - 6000 J Street
 - Sacramento, CA 95819-6020
- Submit the Physical Therapy Program Application and all supporting documents to the Physical Therapy Program Office no later than January 15th of the year of anticipated enrollment.

Preference in admissions will be given to California residents. To qualify for preference, applicants must be eligible for California resident classification by the CSU residence determination date (September 20th).

Only 32 students will be selected for admission each Fall. The selection committee reviews applicants based on prerequisite GPA, written narrative, letters of recommendation, and an interview. We encourage applications of students from diverse backgrounds.

ADDITIONAL INFORMATION

Health Requirements

Students admitted to the Physical Therapy Program are required to have an annual physical examination and specified immunizations by the Student Health Center or a private physician prior to beginning the Program in Physical Therapy. Complete information on health requirements for Physical Therapy students may be secured from the Physical Therapy office.

Costs and Fees

In addition to University registration fees, students can be expected to incur costs of approximately \$1,500 per year for books, supplies, malpractice/liability insurance, and laboratory fees. Students are required to assume responsibility for transportation and housing costs for clinical internships which may be anywhere in California.

Admission Advising

Group advising sessions with Physical Therapy faculty are scheduled throughout the year. Times of these meetings are available from the Physical Therapy office (916) 278-6426.

Health Insurance, Transportation Schedules, and CPR Certification

All students accepted into the Physical Therapy Program must provide their own health insurance and transportation to clinical facilities. Health insurance is mandatory prior to beginning clinical experiences. CPR certification (Basic Adult and Pediatric) is required at the time of Fall enrollment and recertification must be maintained according to the requirements of the American Heart Association or American Red Cross. Malpractice/liability insurance is required prior to any clinical placement. Information on malpractice/liability insurance may be secured from the Physical Therapy office.

DEGREE REQUIREMENTS

A. Required Prerequisite Courses (61-69 units)

- | | |
|---------------|--|
| (4) BIO 022 | Introductory Human Anatomy (BIO 010, BIO 020, or instructor permission) OR |
| BIO 025 | Human Anatomy and Physiology I AND |
| BIO 026 | Human Anatomy and Physiology II (BIO 025 or instructor permission) |
| (4) BIO 122 | Advanced Human Anatomy (BIO 022) |
| (4) BIO 131 | Systemic Physiology (BIO 010 or BIO 020, or BIO 022, and one year of college chemistry) OR |
| BIO 025 | Human Anatomy and Physiology I AND |
| BIO 026 | Human Anatomy and Physiology II (BIO 025 or instructor permission) |
| (3) BIO 123 | Neuroanatomy (BIO 022) |
| (3) BIO 132 | Neurophysiology (BIO 010 or BIO 020, and one year of college chemistry) |
| (5) CHEM 006A | Introduction to General Chemistry (One year high school algebra; high school chemistry strongly recommended) OR |
| CHEM 001A | General Chemistry (High school algebra (two years) and high school chemistry; or equivalent) |
| (5) CHEM 006B | Introduction to Organic and Biological Chemistry (CHEM 001A or CHEM 006A) OR |
| CHEM 001B | General Chemistry (CHEM 001A) |
| (3) COMS 004 | Introduction to Public Speaking |
| (2) NURS 014 | Pharmacology (BIO 131, or equivalent (may be taken concurrently) |
| (2) NURS 130 | Pathophysiology (BIO 022 or equivalent, BIO 131 or equivalent) |
| (3) KINS 151 | Kinesiology (BIO 022 or equivalent) |
| (3) KINS 152 | Physiology of Exercise (BIO 131 or equivalent) |
| (3) CHDV 030 | Human Development OR |
| KINS 176 | Perceptual Motor Development OR |
| KINS 176A | Lifespan Motor Development |
| (4) PHYS 005A | General Physics: Mechanics, Heat, Sound (Recently completed three years of high school algebra and geometry; and a college course in algebra and trigonometry for those having an inadequate mathematics background) |
| (4) PHYS 005B | General Physics: Light, Electricity and Magnetism, Modern Physics (PHYS 005A or instructor permission) |
| (3) PSYC 005 | Introductory Psychology: Individual and Social Processes OR |
| PSYC 001 | Introductory Psychology: Basic Processes |
| (3) PSYC 148 | Child Psychology (PSYC 001 or PSYC 005) OR |

- PSYC 150 Psychological Aspects of Aging (PSYC 001 or PSYC 005) **OR**
- PSYC 151 Psychological Aspects of Death and Dying **OR**
- PSYC 168 Abnormal Psychology (PSYC 005)
- (3) STAT 001 Introduction to Statistics (MATH 009 or three years of high school mathematics which includes two years of algebra and one year of geometry; completion of ELM requirement and the Intermediate Algebra Diagnostic Test) **OR**
- SWRK 110 Introduction to Statistics for Social Workers

B. Required Professional Courses (60 units)

- (2) BIO 233 Review of Human Gross Anatomy (BIO 022 and BIO 122 or a course in gross anatomy using a regional approach)
- (4) PT 200 Pathokinesiology (Corequisite: BIO 233, PT 202, PT 204, PT 206, PT 208)
- (2) PT 202 Research Methods in Physical Therapy I (Corequisite: BIO 233, PT 200, PT 204, PT 206, PT 208)
- (2) PT 204 Principles of Human Movement (Corequisite: BIO 233, PT 200, PT 202, PT 206, PT 208)
- (4) PT 206 Therapeutic Measurements and Techniques (Corequisite: BIO 233, PT 200, PT 202, PT 204, PT 208)
- (2) PT 208 PT/Patient Professional Interactions (Corequisite: BIO 233, PT 200, PT 202, PT 204, PT 206)
- (3) PT 220 Therapeutic Exercise I (BIO 233, PT 200, PT 202, PT 204, PT 206, PT 208. Corequisite: PT 222, PT 224, PT 225, PT 226, PT 227)
- (1) PT 222 Research Methods in Physical Therapy II (BIO 233, PT 200, PT 202, PT 204, PT 206, PT 208. Corequisite: PT 220, PT 224, PT 225, PT 226, PT 227)
- (4) PT 224 Neurological Evaluation and Treatment I (BIO 233, PT 200, PT 202, PT 204, PT 206, PT 208. Corequisite: PT 220, PT 222, PT 225, PT 226, PT 227)
- (4) PT 225 Musculoskeletal Evaluation and Treatment I (BIO 233, PT 200, PT 202, PT 204, PT 206, PT 208. Corequisite: PT 220, PT 222, PT 224, PT 226, PT 227)
- (3) PT 226 Clinical Agents (BIO 233, PT 200, PT 202, PT 204, PT 206, PT 208. Corequisite: PT 220, PT 222, PT 224, PT 225, PT 227)
- (1) PT 227 Physical Therapy Educator (BIO 223, PT 200, PT 202, PT 204, PT 206, PT 208. Corequisite: PT 220, PT 222, PT 224, PT 225, PT 226)
- (3) PT 240 Therapeutic Exercise II (PT 300. Corequisite: PT 244, PT 245, PT 246, PT 248)
- (4) PT 244 Neurological Evaluation and Treatment II (PT 300. Corequisite: PT 240, PT 245, PT 246, PT 248)
- (4) PT 245 Musculoskeletal Evaluation and Treatment II (PT 300. Corequisite: PT 240, PT 244, PT 246, PT 248)
- (2) PT 246 Special Topics in Physical Therapy I (PT 300. Corequisite: PT 240, PT 244, PT 245, PT 248)
- (2) PT 248 Health Care Delivery in Physical Therapy I (PT 300. Corequisite: PT 240, PT 244, PT 245, PT 246)
- (1) PT 260 Graduate PT Seminar I (PT 240, PT 244, PT 245, PT 246, PT 248. Corequisite: PT 262, PT 264, PT 266, PT 268, PT 269, PT 500)

- (1) PT 262 Differential Diagnosis in Physical Therapy (PT 240, PT 244, PT 245, PT 246, PT 248. Corequisite: PT 260, PT 264, PT 266, PT 268, PT 269, PT 500)
- (3) PT 264 Neuropediatric Evaluation and Treatment (PT 240, PT 244, PT 245, PT 246, PT 248. Corequisite: PT 260, PT 262, PT 266, PT 268, PT 269, PT 500)
- (2) PT 266 Special Topics in Physical Therapy II (PT 240, PT 244, PT 245, PT 246, PT 248. Corequisite: PT 260, PT 262, PT 264, PT 268, PT 269, PT 500)
- (2) PT 268 Health Care Delivery in Physical Therapy II (PT 240, PT 244, PT 245, PT 246, PT 248. Corequisite: PT 260, PT 262, PT 264, PT 266, PT 269, PT 500)
- (1) PT 269 Psychosocial Issues in Physical Therapy (PT 240, PT 244, PT 245, PT 246, PT 248. Corequisite: PT 260, PT 262, PT 264, PT 266, PT 268, PT 500)
- (1) PT 280 Graduate PT Seminar II (PT 260, PT 262, PT 264, PT 266, PT 268, PT 269, PT 500. Corequisite: PT 400)
- (2) PT 500 Culminating Experience (PT 240, PT 244, PT 245, PT 248. Corequisite: PT 260, PT 262, PT 264, PT 266, PT 268, PT 269)

C. Required Certificate Courses (15 units)

- (3) PT 300 Clinical Practicum I (PT 220, PT 222, PT 224, PT 225, PT 226, PT 227)
- (12) PT 400 Clinical Practicum II (PT 260, PT 262, PT 264, PT 266, PT 268, PT 269, PT 500. Corequisite: PT 280)

Certificate of Clinical Competency

The Certificate of Clinical Competency requires the completion of a total of 30 weeks of full-time clinical experiences assigned by the physical therapy curriculum, under the direct and immediate supervision of a licensed physical therapist, in a facility with a signed clinical contract with CSUS. The first clinical affiliations of six weeks occur between the first and second year of the master's physical therapy curriculum and is open to those students who have successfully completed the first year in the curriculum. The second part of the clinical certification requirement involves affiliations totaling 24 weeks of full time experience following the successful completion of the second year in the physical therapy master's curriculum. The certificate will be awarded following documentation by clinical faculty of students' consistent demonstration of safe, entry-level competencies in a prescribed number of clinical areas, as determined by the ACCE, the program Director, faculty, and the national accrediting body.

Advancement to Candidacy Requirements

Advancement to Candidacy requirements include all CSUS requirements for advancement stated in the CSUS catalog and include: successful completion of all first year courses with a minimum of 3.0 overall grade point average in all graduate level course work; successful completion of the first clinical education experience; classified graduate status; an approved written plan for the required graduate project portfolio; evidence of writing proficiency.

UPPER DIVISION COURSE

PT 199. Special Problems. Individual projects or directed reading designed for students capable of independent study. Admission requires written approval of instructor and program director. Graded Credit/No Credit. 1-3 units.

GRADUATE COURSES

PT 200. Pathokinesiology. Will address functional anatomy to assist in the understanding of pathological function of the musculoskeletal system. The student will be exposed to application of the principles of biomechanics, arthrology and tissue mechanics in combination with functional anatomy to the study of normal compared to pathological motion. **Corequisite:** BIO 233, PT 202, PT 204, PT 206, PT 208. 4 units.

PT 202. Research Methods in Physical Therapy I. Designed to teach students how to utilize their prerequisite course work in statistics for critical reading and interpretation of the physical therapy scientific literature. Topics will include research designs and statistical testing procedures commonly used in physical therapy. Students will review and critique current physical therapy articles that utilize the research designs being studied. **Corequisite:** BIO 233, PT 200, PT 204, PT 206, PT 208. 2 units.

PT 204. Principles of Human Movement. Components of normal movement, contemporary concepts of motor control, and their application to physical therapy practice. Includes a review of neuroanatomy for normal movement. **Corequisite:** BIO 233, PT 200, PT 202, PT 206, PT 208. 2 units.

PT 206. Therapeutic Measurements and Techniques. General physical therapy evaluation and patient management skills acquisition. Students will practice and demonstrate techniques under faculty supervision in the following areas: measurement of vital signs, manual strength testing, evaluation of joint range of motion, patient positioning, transfer techniques, gait training, use of wheelchairs, assistive devices. **Corequisite:** BIO 233, PT 200, PT 202, PT 204, PT 208. 4 units.

PT 208. PT/Patient Professional Interactions. Prepares students to learn about themselves, others, and about the world in which they will interact with others as physical therapy practitioners. Addresses self-awareness, effective communication, assertiveness, cultural sensitivity, resolving moral dilemmas, psychosocial aspects of disability, death and dying, stress management, and health behaviors. Students will also be instructed in and practice medical record review and the fundamentals of professional documentation. Designed to assist students with the process of transitioning into professional roles as healing practitioners. **Corequisite:** BIO 233, PT 200, PT 202, PT 204, PT 206. 2 units.

PT 220. Therapeutic Exercise I. Students practice and demonstrate the clinical application of basic level exercise regimens for the prevention of limitations, improvement of functional abilities and the treatment of disorders associated with the neuromuscular, skeletal and cardiopulmonary systems, reading and interpretation of ECGs, application of motor control principles to exercise and aquatic therapy. **Prerequisite:** BIO 233, PT 200, PT 202, PT 204, PT 206, PT 208. **Corequisite:** PT 222, PT 224, PT 225, PT 226, PT 227. 3 units.

PT 222. Research Methods in Physical Therapy II. Designed to build upon the data analysis and research design covered in PT 202. Initial portion of the course will cover research methodologies typically used in physical therapy, and planning a physical therapy research proposal. In the second half of the course, students are required to spend 50 hours of independent study to work on a physical therapy research project with a faculty

mentor. Lecture one hour. Independent study. **Prerequisite:** BIO 233, PT 200, PT 202, PT 204, PT 206, PT 208. **Corequisite:** PT 220, PT 224, PT 225, PT 226, PT 227. 1 unit.

PT 224. Neurological Evaluation and Treatment I. First part of a two course series focusing on the acquisition and integration of knowledge and skills involved in developing and implementing a treatment plan for the patient with neurologic dysfunction based on sound evaluative findings. The course includes correlating neuroanatomical foundations with neurologic dysfunction. Case presentation, video demonstrations and actual patient contact will be used to develop evaluation, treatment and problem-solving skills. **Prerequisite:** BIO 233, PT 200, PT 202, PT 204, PT 206, PT 208. **Corequisite:** PT 220, PT 222, PT 225, PT 226, PT 227. 4 units.

PT 225. Musculoskeletal Evaluation and Treatment I. The acquisition and integration of knowledge and skills involved in developing and implementing a treatment plan for the patient with musculoskeletal dysfunction based on sound evaluative findings. Lectures address etiology, signs and symptoms, medical, surgical, and physical therapy management of musculoskeletal dysfunction. Labs address skill development for performing evaluation and treatment techniques safely and effectively. This course is the first of two and addresses the management of lower extremity dysfunction. **Prerequisite:** BIO 233, PT 200, PT 202, PT 204, PT 206, PT 208. **Corequisite:** PT 220, PT 222, PT 224, PT 226, PT 227. 4 units.

PT 226. Clinical Agents. Presents theory, demonstration and laboratory practice in physical therapy modalities and techniques including thermal agents, hydrotherapy, ultrasound (US), ultraviolet, dathermy and massage. Theory, demonstration and practice will be included of functional neuromuscular electrical stimulation, US/stimulation combination, iontophoresis, TEN's and clinical electrophysiologic testing; EMG as an evaluative and treatment tool. Case Studies will be utilized for decision making in the proper application of modalities based on knowledge of indications, contraindications and physiologic effects. **Prerequisite:** BIO 233, PT 200, PT 202, PT 204, PT 206, PT 208. **Corequisite:** PT 220, PT 222, PT 224, PT 225, PT 227. 3 units.

PT 227. Physical Therapy Educator. The role of the physical therapist as educator. Basic teaching and learning theory, learning domains, the identification of learning styles, and teaching strategies to address different learner needs across the life-span. Students will practice instructional formats; prepare physical therapy patient education materials; and practice applications of appropriate technology for the design of professional presentations. **Prerequisite:** BIO 233, PT 200, PT 202, PT 204, PT 206, PT 208. **Corequisite:** PT 220, PT 222, PT 224, PT 225, PT 226. 1 unit.

PT 240. Therapeutic Exercise II. A continuation of Therapeutic Exercise I. Students will practice and demonstrate advanced clinical exercise skills for progressing a patient population and to demonstrate regimens for the prevention of limitations, improvement of functional abilities and the treatment of disorders associated with the neuromuscular, skeletal and cardiopulmonary systems. Therapeutic techniques addressing specific patient populations including ob-gyn, pediatrics and geriatrics will be included. **Prerequisite:** PT 300. **Corequisite:** PT 244, PT 245, PT 246, PT 248. 3 units.

PT 244. Neurological Evaluation and Treatment II. Second part of a two course series focusing on the acquisition and integration of knowledge and skills involved in developing and implementing a treatment plan for the patient with neurological dysfunction based on sound evaluative findings. Case presentation, video demonstrations and actual patient contact will be used to develop evaluation, treatment and problem-solving skills. **Prerequisite:** PT 300. **Corequisite:** PT 240, PT 245, PT 246, PT 248. 4 units.

PT 245. Musculoskeletal Evaluation and Treatment II. The acquisition and integration of knowledge and skills involved in developing and implementing a treatment plan for patients with musculoskeletal dysfunction based on sound evaluative findings. Lectures address etiology, signs and symptoms, and medical surgical, and physical therapy management of musculoskeletal dysfunction. Labs address skill development for performing evaluation and treatment techniques. This course is the second of two and addresses management of upper extremity dysfunction and spine dysfunction. **Prerequisite:** PT 300. **Corequisite:** PT 240, PT 244, PT 246, PT 248. 4 units.

PT 246. Special Topics in Physical Therapy I. Selected diagnostic and treatment topics used in physical therapy. Topics include: Evaluation and treatment of the client with a cardiopulmonary disorder; evaluation and treatment of the client with cancer and physical therapy in the acute care setting. **Prerequisite:** PT 300. **Corequisite:** PT 240, PT 244, PT 245, PT 248. 2 units.

PT 248. Health Care Delivery in Physical Therapy I. A historical overview of health care delivery and financing in the U.S., the physical therapist's role in it, and how the evolving delivery and financing system is currently effecting the practice of physical therapy. The continuum of care concept, an overview of national economic policy and the mechanisms for financing physical therapy services will be presented. Administrative topics including human resources, financial management, planning, marketing, patient's rights, and medical record management will be covered. **Prerequisite:** PT 300. **Corequisite:** PT 240, PT 244, PT 245, PT 246. 2 units.

PT 260. Graduate PT Seminar. Advanced physical therapy clinical techniques. Students may choose two areas from a selection of current topics to be presented to them the first class session. Topics may include: advanced aquatics, pediatrics, advanced treatment of burns and wounds, vestibular rehabilitation, and advanced manual therapy. **Prerequisite:** PT 240, PT 244, PT 245, PT 246, PT 248. **Corequisite:** PT 262, PT 264, PT 266, PT 268, PT 269, PT 500. 1 unit.

PT 262. Differential Diagnosis in Physical Therapy. Advanced assessment techniques for physical therapy to detect medical problems for which a referral to a medical doctor is indicated. Students will learn a patient evaluation system in addition to clinical signs and symptoms associated with dysfunction of various physiologic systems. **Prerequisite:** PT 240, PT 244, PT 245, PT 246, PT 248. **Corequisite:** PT 260, PT 264, PT 266, PT 268, PT 269, PT 500. 1 unit.

PT 264. Neuropediatric Evaluation and Treatment. The acquisition and integration of knowledge and skills involved in developing and implementing a treatment plan for the pediatric patient with neurologic dysfunction based on sound evaluative findings. Case presentation, video demonstrations and actual patient contract will be used to develop evaluation, treatment and problem-solving skills. Third course in a three part series. **Prerequisite:** PT 240, PT 244, PT 245, PT 246, PT 248. **Corequisite:** PT 260, PT 262, PT 266, PT 268, PT 269, PT 500. 3 units.

PT 266. Special Topics in Physical Therapy II. Selected diagnostic and treatment topics used in physical therapy. Topics included: Prosthetics and treatment of the patient with an amputation, treatment of the patient with a wound or burn injury. Case presentation, video demonstrations and actual patient contact will be used to develop evaluation, treatment and problem-solving skills. **Prerequisite:** PT 240, PT 244, PT 245, PT 246, PT 248. **Corequisite:** PT 260, PT 262, PT 264, PT 268, PT 269, PT 500. 2 units.

PT 268. Health Care Delivery in Physical Therapy II. Students will achieve working knowledge of ethical guidelines as established by the APTA's Code of Ethics and Guide for Professional Conduct, the California PT Practice Act and Regulations, and become familiar with the structure and function of the

Physical Therapy Board of California. Topics include current interest in health care delivery in a seminar format, clinical techniques, background in related areas of healthcare delivery, or trends affecting the practice of physical therapy. **Prerequisite:** PT 240, PT 244, PT 245, PT 246, PT 248. **Corequisite:** PT 260, PT 262, PT 264, PT 266, PT 269, PT 500. 2 units.

PT 269. Psychosocial Issues in Physical Therapy. Examines psychological and social impact of and reactions to illness and physical disability. Explores fundamental elements of the psychosocial dynamics related to disability with a focus on adjustments required of both the disabled and the provider. Investigates social, cultural, personal, sexual, and familial factors which impact comprehensive rehabilitation in the clinical setting. Emphasis will be placed on illness and physical disability during the geriatric portion of the life span. **Prerequisite:** PT 240, PT 244, PT 245, PT 246, PT 248. **Corequisite:** PT 260, PT 262, PT 264, PT 266, PT 268, PT 500. 1 unit.

PT 280. Graduate PT Seminar II. After the final clinical field experience, students' experiences in the clinic and promote reflection on the professional practice of physical therapy will be reviewed. Serves as a review of a variety of physical therapy subjects in preparation for the licensure examination. Students will use computer interactive software to assist with preparation for this standardized national test format. **Prerequisite:** PT 260, PT 262, PT 264, PT 266, PT 268, PT 269, PT 500. **Corequisite:** PT 400. 1 unit.

PT 295. Physical Therapy Clinical Experience. Supervised clinical affiliation equivalent to two full-time weeks up to six full-time weeks in a physical therapy setting under the direct supervision of a licensed Physical Therapist. Placement is arranged through the Program. Permission of Clinical Coordinator required. Graded Credit/No Credit. 1-3 units.

PT 299. Special Problems. Individual projects or directed reading designed for students capable of independent study. Admission requires written approval of instructor and program director. Graded Credit/No Credit. 1-3 units.

PT 300. Clinical Practicum I. This first component of the clinical certificate series of the physical therapy master's curriculum requires 6 weeks of progressively responsible full-time clinical education per student under the direct supervision of a licensed physical therapist. Students improve and refine evaluation and treatment abilities developed during their first year and integrate knowledge and skills in a selected variety of clinic settings. **Note:** Open to Physical Therapy majors only who have successfully completed the first year of the master's curriculum. **Prerequisite:** PT 220, PT 222, PT 224, PT 225, PT 226, PT 227. Graded Credit/No Credit. 3 units.

PT 400. Clinical Practicum II. This second component of the clinical certificate series requires 24 weeks of progressively responsible full-time clinical education per student in selected clinical settings under direct supervision of a licensed physical therapist. Students improve, refine, and master evaluation and treatment abilities developed during the physical therapy master's curriculum and integrate knowledge and skills in a variety of clinic settings. **Note:** Open to Physical Therapy majors only who have successfully completed the two years of the master's curriculum and the Clinical Practicum I experience. **Prerequisite:** PT 260, PT 262, PT 264, PT 266, PT 268, PT 269, PT 500. **Corequisite:** PT 280. Graded Credit/No Credit. 12 units.

PT 500. Culminating Experience. A project portfolio designed to demonstrate professional competence, professional behavior, ethical and legal clinical practice, and professional scholarship. The portfolio includes written works, oral presentations, and demonstration of mastery of specified topics pertaining to the practice of physical therapy. **Prerequisite:** PT 240, PT 244, PT 245, PT 248. **Corequisite:** PT 260, PT 262, PT 264, PT 266, PT 268, PT 269. Graded Credit/No Credit. 2 units.