
ogy, and medical conditions with occupational therapy assessment procedures as each relates to hand therapy. Emphasis is on the etiology, diagnosis, assessment, treatment (including functional outcomes) and prognosis of a variety of conditions affecting the hand. Clinical application of content is provided through the combination of lecture and lab. Lab fee. Prerequisites: OT 6220; OT 6230.

OT 7830. Fieldwork I - Pediatrics (1)
See OT 6810.

OT 7900. Fieldwork II (6)
Fieldwork assignments are arranged internships under the direct supervision of a registered occupational therapist. Level II Fieldwork is designed to promote clinical reasoning and reflective practice, to transmit the values and beliefs that enable the

application of ethics related to the profession, to communicate and model professionalism as a developmental process and a career responsibility, and to develop and expand a repertoire of occupational therapy assessments and treatment interventions related to human performance. (Pass/No Pass)

OT 7910. Fieldwork II (6)
See OT 7900. (Pass/No Pass)

OT 7940. Research/ Administration/ Education Capstone (2)
A unique and innovative research, administrative, or educational project is undertaken that reflects integration of content across the curriculum. A formal presentation of this project is the final step in the academic portion of the professional master's program.

PHYSICAL THERAPY (PT)

<i>Professor</i>	Donna J. Calvert, Ph.D., PT
<i>Associate Professor</i>	Deborah L. Cooke, Ph.D., PT Jean M. Hiebert, Ph.D., PT Ellen F. Spake, M.S., PT (Chair)
<i>Assistant Professor</i>	Ann Marie Decker, M.S.A., PT James A. Dronberger, M.B.A, PT

The Rockhurst University Department of Physical Therapy Education is committed to the development of highly qualified physical therapists. The primary focus is on the preparation of students to provide prevention, education, examination, and intervention to persons whose abilities are threatened or impaired by developmental deficits, aging, physical illness, or injury. Graduates of the program are able to examine and evaluate, arrive at a physical therapy diagnosis and prognosis, and provide intervention and risk reduction strategies. As critical consumers of the professional literature, graduates are able to apply the results of research to patient care. Emphasizing and integrating critical thinking, problem solving, and ethics throughout the curriculum, the Rockhurst physical therapy program culminates in the student's ability to clinically reason in a complex and changing health care environment. The program is designed for the person with an undergraduate degree in a field other than physical therapy.

Rockhurst's physical therapy program is distinctive for its Jesuit liberal arts perspective, close faculty-student interactions, and interdisciplinary collaboration. Students work together with faculty on research projects, have access to state-of-the-art technology, and are given opportunities for clinical experiences at sites located across the country. Graduate and research assistantships are available, and provide opportunities for students to work one-on-one with faculty mentors. Collaborative service projects enable faculty, students, and other members of the Rockhurst community to team with community and international agencies, fulfilling the institution's mission of providing leadership in service to others.

The physical therapy program is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 N. Fairfax St., Alexandria, VA, 22314-1488. Graduates are eligible to sit for the licensure examination in the state in which they plan to practice.

Admission to the Program

The professional course work leading to the Master of Physical Therapy degree is generally completed over three years of study. Students entering Rockhurst as freshmen may pursue a six-year program leading to the completion of a baccalaureate degree at the end of the fourth year and completion of the master's degree at the end of the sixth year. Admission to the University and/or meeting the minimum stated requirements does not guarantee admission to the program.

The physical therapy program accommodates multiple points of entry for undergraduate students. For the Rockhurst student, these include freshman pre-admission, Physical Therapy Scholars, and entry during the final year of undergraduate coursework. Opportunities also exist for the transfer and post-baccalaureate student.

Exceptional students may be given a **Freshman Pre-Admission Guarantee** into the professional program. These positions are awarded on a competitive basis, based on a combination of ACT or SAT scores, high school grades and class rank.

Rockhurst students with outstanding academic work but who do not have a pre-admit guarantee may apply for advanced admission status under the **Physical Therapy Scholars Program** at the beginning of their junior year. Such students must demonstrate a 3.4 grade point average in both their science and cumulative university course work, satisfactorily complete an interview, and must demonstrate the ability to complete their baccalaureate degree by the end of their senior (fourth) year. Meeting the minimum requirements for early application under the PT Scholars Program does not guarantee early admission into the program.

Rockhurst **undergraduate students** may apply in the Fall semester of their junior year (to participate in the 3+3 option, completing the undergraduate degree while simultaneously beginning Physical Therapy coursework) or during their senior year. **Undergraduate students** at other institutions can apply during the Fall semester of their senior year to enter the program following completion of their degree from an accredited college or university.

Exceptional students who transfer to Rockhurst to complete an undergraduate degree may be considered for preadmission into the graduate program at the time of transfer. Such students must demonstrate a minimum of a 3.5 grade point average on a 4.0 scale at the time of transfer, demonstrate behavior consistent with the physical therapy profession, maintain a 3.4 cumulative grade point average on a 4.0 scale each semester, and demonstrate a 3.4 science AND 3.4 cumulative grade point average at the end of the Fall semester prior to beginning the physical therapy program. The length of the program for the transfer student seeking both an undergraduate and graduate degree from Rockhurst is dependent on the number of credits accepted toward the undergraduate major and completion of the physical therapy prerequisites.

Post-baccalaureate students are considered for entry into the program on a competitive basis. For students with a prior undergraduate degree from an accredited institution, the professional master's degree program is generally completed in three years.

Applications to the program are accepted beginning in the Fall semester of each year. Enrollment is limited and early application is encouraged. Meeting minimum requirements does not guarantee admission to the professional program. Applications for the graduate program can be obtained through the Rockhurst University web site (www.rockhurst.edu) or by writing:

Office of Graduate Admission
College of Arts and Sciences
Rockhurst University
1100 Rockhurst Road
Kansas City, MO 64110-2561

Requirements for Admission

Applicants to the master's degree in physical therapy must show evidence of the following in order to be considered for admission:

- ◆ Completion of at least 90 semester credit hours of undergraduate study applicable to a bachelor's degree program at Rockhurst University with a minimum cumulative AND science GPA of 3.0;
and
- ◆ Demonstrate the ability to complete bachelor degree requirements at Rockhurst University concurrent with enrollment in the first year of professional studies;
or
- ◆ Completion of a bachelor's degree at an accredited institution in a discipline other than physical therapy with a minimum cumulative AND science GPA of 3.0.
- ◆ Completion of three recommendation forms.
- ◆ Basic computer competence.
- ◆ Personal interview with members of the Physical Therapy Admissions Committee may be required.
- ◆ Completion of ALL designated prerequisite courses by the end of the Spring semester prior to beginning the professional curriculum as listed below:

Basic Proficiencies: English Composition I & II (EN 1110 and 1120), Interpersonal Communication (CT 2040).

Behavioral Sciences: Developmental Psychology (PY 3400); Abnormal Behavior (PY 3550) recommended.

Humanities: Ethics (PL 3100).

Natural Sciences: General Biology I (BL 1250/1251), Comparative Vertebrate Anatomy (BL 3400/3401), General Physiology (BL 3700/3701), General Chemistry I & II (CH 2610 and CH 2630), Introductory Physics I & II (PH 1800/1810 and PH 1900/1910), and Statistics (PY 2100 or EC 2200). Embryology is strongly recommended.

Note: The above course numbers should assist both Rockhurst and transfer students in locating prerequisite course descriptions.

Requirements may be subject to change without notice. Therefore, it is important that all prospective applicants contact the Department of Physical Therapy Education on a regular basis.

Promotion in the Program

To progress toward the Master of Physical Therapy degree, students must:

1. Complete the baccalaureate degree prior to entry into the second year of professional study. This criterion applies to students obtaining a baccalaureate degree from Rockhurst University. All other applicants must complete the baccalaureate degree prior to enrolling in graduate study.
2. Maintain a 3.0 semester AND cumulative GPA for all courses within the professional curriculum. All courses in the professional curriculum must be completed with at least a grade of C. Any grade below a C, or more than two C's in professional, didactic course work results in dismissal from the program.
3. Complete a minimum of one elective course. Requirements concerning elective course work are described in detail in the *Physical Therapy Student Handbook*.
4. Pass three comprehensive examinations at the specified competency level; one each prior to matriculation to the second and third years of professional study, and one prior to graduation.
5. Consistently demonstrate professional behavior when interacting with faculty, students, and consumers. These behaviors reflect the capacity to deliver a high standard of health service and are as important as traditional academic standards in determining criteria for promotion and continuation in the program. Professional behaviors are described in detail in the *Physical Therapy Student Handbook*.

Part-time and Accelerated Options

The Physical Therapy Education Program at Rockhurst University acknowledges the need for some students to complete their Master's degree education in greater than three years, as would be the case for students due to unforeseen or unusual circumstances. Students in the part-time track must take no longer than four years rather than three, to complete their master's degree. Students completing the part-time track are required to meet the same graduation requirements as students completing the three-year sequence.

The Physical Therapy Education Program also acknowledges the desire for some students to complete their master's degree education in less than three years. Therefore, students may apply for acceptance into the accelerated track, which allows completion of the master's degree in two and one-half years. Students completing the accelerated track are required to meet the same graduation requirements as students completing the three-year sequence.

Graduation

The Master of Physical Therapy degree requires a cumulative quality grade point average of 3.0 or greater to graduate. The *Physical Therapy Student Handbook* contains additional supplementary information about the program.

Physical Therapy

Professional Curriculum Plan

Year 4 (1)*

Fall			Spring		
BL 5400	Gross Anatomy	4	PT 5112	Medical Conditions II	2
BL 5401	Gross Anatomy Lab	1	PT 5140	Kinesiology	3
PT 5100	Community Health and Wellness	2	PT 5150	Kinesiology Lab	1
PT 5110	Medical Conditions I	2	PT 5330	Cardiopulmonary Theory	3
PT 5120	Clinical Physiology	3	PT 5340	Cardiopulmonary Therapeutic Exercise	1
PT 5130	Clinical Physiology Lab	1	PT 5420	Education and Health	2
PT 5510	Professional Development II	1	PT 5500	Professional Development I	1
	prerequisites/electives/major	3-6	PT 5970	Clinical Practice I	1
	Total Hours	14-20		prerequisites/electives/major	3-6
				Total Hours	14-20

Year 5 (2)*

Fall			Spring		
PT 6000	Neuroscience	4	PT 6180	PT Mgmt of Pediatric & Geriatric Conditions	3
PT 6110	Medical Conditions III	2	PT 6240	Clinical Processes II	2
PT 6230	Clinical Processes I	2	PT 6260	Clinical Processes II Lab	1
PT 6250	Clinical Processes I Lab	1	PT 6320	Neurological Theory & Practice	3
PT 6310	Musculoskeletal Theory	3	PT 6340	Neurological Therapeutic Exercise	1
PT 6351	Musculosk Ther Ex Lab	1	PT 6360	Musculoskeletal Theory & Practice II	2
PT 6352	Musculosk Jt Mob Lab	1	PT 6440	Health Care Delivery	2
PT 6430	Research & Clin Inquiry	3	PT 6520	Professional Development III	2
PT 6970	Clinical Practice II	1	PT 6940	Capstone I	1
	Total Hours:	18		Total Hours:	17

Summer

PT 7970	Clinical Practice III	4
---------	-----------------------	---

Year 6 (3)*

Fall			Spring		
PT 7971	Clinical Practice IV	4	PT 7440	Administration & Management	2
PT 7972	Clinical Practice V	4	PT 7360	Complex Clinical Decision Making	2
	Total Hours:	8	PT 7940	Capstone II	2
			PT 7530	Professional Development IV	1
				Electives	3-6
				Total Hours:	7-13

*Year 4-5-6 = Undergraduate to Graduate Sequence

Year 1-2-3 = Graduate Sequence

Course Descriptions

BL 5400. Gross Anatomy (4)

An integrated regional approach to the study of the structure and function of the human body, with emphasis on the musculoskeletal and peripheral nervous system. The study of the fundamental tissues, organs, and other systems of the body cavities is also included. Concurrent: BL 5401. Prerequisite: acceptance into occupational therapy education or physical therapy education program.

BL 5401. Gross Anatomy Lab (1)

Meets twice a week. Reinforces concepts from lecture through prosected material, bony specimen, radiographs, and palpation of living subjects and supervised dissection of human cadavers. Lab fee. Concurrent: BL 5400.

PT 5100. Community Health and Wellness (2)

This course is designed to introduce the concepts of health, fitness and wellness across the lifespan in community based and non-traditional settings. Guided experiences allow students the opportunity to identify health needs of target populations, and develop resources to meet that need. Instruction is presented through didactic course work, community interaction, and service learning. Students are expected to participate in small group work, design and implement wellness and health promotion educational media and programs, as well as engage in one-on-one interaction with community dwellers.

PT 5110. Medical Conditions I (2)

This is the first in a three-course sequence that introduces the student to human pathology, models of disease, and mechanisms of self-defense, including immunological and inflammatory responses. Conditions relating to structures covered concurrently in BL 5400 Gross Anatomy include pathologies of the cardiovascular, lymphatic, pulmonary, and genitourinary systems in addition to autoimmune disorders. Pathophysiology, medical diagnostic procedures, clinical manifestations, prognosis and medical and surgical management will be included in a discussion of conditions relevant to physical therapists.

PT 5112. Medical Conditions II (2)

This is the second in a three-course sequence that introduces the student to human pathology and models of disease. Pathologies of the musculoskeletal, hematologic, renal, gastrointestinal and integumentary systems will be covered. Concepts of cellular proliferation and oncology across all physiologic systems will be included. Pathophysiology, medical diagnostic procedures, clinical manifestations, prognosis and medical and surgical management will be included in a discussion of conditions relevant to physical therapists.

PT 5120. Clinical Physiology (3)

Human physiology is needed to emphasize its relationship to clinical situations. Mechanisms covered include intra- and intercellular homeostasis and communications, cellular energy provision, and skeletal muscle mechanics. These concepts are utilized 1) to illustrate how drugs interact with cellular receptors to cause their effect; 2) to provide rationale behind aerobic and anaerobic exercise programs, strength concepts and stretching principles; and 3) to introduce laboratory values and discuss effects of such things as fluid, electrolyte, acid/base, and hematological imbalances. Laboratory experiences and student presentations supplement lecture materials.

PT 5130. Clinical Physiology Lab (1)

This course gives students the opportunity to apply principles discussed in PT 5120 in a laboratory setting. Laboratory topics to be covered include resistance training techniques, anaerobic exercise testing, and exercise prescription for the apparently healthy child, adult, and aged populations. Modifications to exercise prescription based on pathology will be introduced. Lab fee. PT 5120 concurrent.

PT 5140 (OT 5140). Kinesiology (3)

This course is designed to study movement of the human body. Biomechanical principles are studied. Relationships between bones, nerves, and muscles to normal and abnormal movement, posture and gait are discussed. Problem solving and movement analysis allow the opportunity to practice application of these principles. PT 5150 concurrent.

PT 5150. Kinesiology Lab (1)

This course is designed to prepare the student in the theory and practical application of basic examination and intervention skills and procedures including palpation, goniometry, manual muscle testing, and posture. Instruction will be presented through lecture, discussion, demonstration, laboratory practice, practical testing, case studies, and individual study of laboratory materials. Lab fee. PT 5140 concurrent.

PT 5330. Cardiopulmonary Theory and Practice (3)

This course incorporates principles of theory in the examination of and intervention with patients with cardiopulmonary problems within the context of clinical decision making and problem solving. Topics include the study of cardiopulmonary physiology and its relationship to the clinical situation; physiological mechanisms involved in disease and intervention; adaptations occurring in response to exercise; physiological differences across the lifes-

pan; and examination procedures and intervention programs. PT 5340 Cardiopulmonary Therapeutic Exercise concurrent.

PT 5340. Cardiopulmonary Therapeutic Exercise (1)

This course gives students the opportunity to apply principles discussed in PT 5330 in a laboratory setting. Students examine vital signs, perform cardiac and pulmonary examinations, and perform chest physical therapy techniques, design and implement intervention programs, and document results. Lab fee. PT 5330 concurrent.

PT 5420 (OT 5420). Education and Health (2)

Specific instruction in teaching methodologies and techniques are provided through practical experience in specifying objectives, planning lessons, preparing instructional materials, and practice skills in teaching. Concepts of health promotion, prevention, and community health will provide a context for the application of educational theory and technique in the classroom, clinic, or community.

PT 5500. Professional Development I (1)

This course is designed as the first course in a four-course process intending to enhance student growth through professional development. Learning units address both the professional and patient perspective. Included topics are the history and development of the American Physical Therapy Association (APTA), values clarification, psychosocial aspects of illness and basic communication skills. Basic competency in medical terminology is acquired. In addition, students will simulate an injury warranting the use of a wheelchair and crutches for one day. Instruction is presented through lecture, discussion, self-study of instructional materials, and role-playing.

PT 5510. Professional Development II (1)

This course is designed as the second course in a four-course process intending to enhance student growth through professional development. Learning units address interpersonal issues such as empathy, compliance and conflict resolution and a variety of communication contexts including communication with physicians, families, children, and the elderly patient. Instruction is presented through lecture, discussion, self-study of instructional materials and videotaping.

PT 5970. Clinical Practice I (1)

This integrated learning experience is designed to introduce students to clinical environments and to allow the student to practice basic screening and examination skills. Emphasis is on health, wellness, and prevention in community and clinical facilities. Students are expected to utilize appropriate interpersonal and professional skills.

PT 6000. Neuroscience (4)

This is an introductory course to basic and applied neurological principles. The course begins with mastery of the nervous system, terminology and neuroanatomical relationships. Neurophysiology is covered both at the cellular level and at the systemic level. The course then covers the major functions of the central, peripheral and autonomic nervous systems and the manner in which these systems interact to produce appropriate responsiveness to environmental demands. Sensory input, central processing and output mechanisms will be analyzed. The student will evaluate human behavior in relation to function and dysfunction of the nervous system, both through suggesting potential signs when a specific neurological site is presented, and through hypothesizing about neurological involvement when given a patient description.

PT 6110. Medical Conditions III (2)

This is the third in a three-course sequence that continues to address concepts of human pathology with primary emphasis placed on the neurological and psychological systems as well as disease and injury affecting multiple interacting systems including the results of shock and systemic infections. Pathophysiology, medical diagnostic procedures, clinical manifestations, prognosis and medical and surgical management will be included in a discussion of conditions relevant to physical therapists.

PT 6180. Physical Therapy Management of Pediatric and Geriatric Conditions (3)

Theories of growth and development will be introduced and applied to case studies representing medical conditions encountered in pediatric and geriatric physical therapy settings. Class discussions and laboratory experiences unique to these special populations will provide a comprehensive overview of physical therapy management, including additional resources for health care needs of pediatric and geriatric clients.

PT 6230. Clinical Processes I (2)

This lecture course is designed to prepare the student in the theory and practical application of basic and advanced clinical processes and procedures. The course includes topics of documentation, functional mobility, prosthetics and orthotics, an application of thermal agents. PT 6250 concurrent.

PT 6240. Clinical Processes II (2)

Clinical Processes II, a continuation of Clinical Processes I, is designed to prepare the student in the theory and practical application of basic and advanced clinical processes and procedures. Topics include soft tissue mobilization, compression therapy, wound care, electrotherapy, joint protection, energy conservation, and traction. PT 6260 concurrent.

- PT 6250. Clinical Processes I: Lab** (1)
This laboratory course is designed to provide the student with practical experiences of basic and advanced clinical processes and procedures. Topics include documentation, functional mobility, prosthetics and orthotics, and application of thermal agents as discussed in PT 6230. Lab fee. PT 6230 concurrent.
- PT 6260. Clinical Processes II: Lab** (1)
This laboratory course is designed to provide the student with practical experiences of basic and advanced clinical processes and procedures. Topics include soft tissue mobilization, compression therapy, wound care, electrotherapy, joint protection, energy conservation, and traction as discussed in PT 6240. Lab fee. PT 6240 concurrent.
- PT 6310. Musculoskeletal Theory and Practice**(3)
This course provides the theoretical background for the application of basic musculoskeletal examination and intervention skills and procedures. Topics include the management of common musculoskeletal pathologies; examination and intervention of the extremities, temporomandibular joint, and spine; common intervention strategies with special attention to joint mobilization; surgical considerations for the spine and extremities, and; case studies promoting clinical decision-making. Instruction is presented through lecture, demonstration, case studies, videotapes, and individual study. PT 6351 and PT 6352 concurrent.
- PT 6320. Neurological Theory and Practice** (3)
This lecture course incorporates principles of theory and practice in the examination and management of clients with neurological problems within the context of clinical decision making and problem solving. Theories of neurological rehabilitation, including motor control and motor learning theories, are discussed as they relate to a variety of clients with neurological dysfunction. Case studies are used to present comprehensive client problems that incorporate biomedical and psychosocial information. Students have the opportunity to design a plan of intervention for clients with neurological dysfunction within the context of a theoretical basis, and present the plan as a written case report using journal standards.
- PT 6340. Neurological Therapeutic Exercise** (1)
This laboratory course incorporates principles of theory and practice in the examination and management of clients with neurological problems within the context of clinical decision making and problem solving. Students will be given experiences in the design, implementation, and documentation of physical therapy programs for clients with neurological dysfunction. Students have the opportunity to research a given client's medical history, hypothesize the etiology of the problems presented, develop an examination and intervention strategy,
- discuss possible treatment modifications, and explore resources needed for physical therapy management. Lab fee. PT 6320 concurrent.
- PT 6351. Musculoskeletal Therapeutic Exercise Lab** (1)
This laboratory course incorporates principles of theory and practice in the examination and management of clients with musculoskeletal problems within the context of clinical decision-making and problem solving. Students examine the extremities, spine, and temporomandibular joint; design, implement, and modify intervention plans; document results, and; participate in clinical case discussions. Instructions are presented through demonstration, case studies, videotapes, and individual study of instructional material. Lab fee. PT 6310 and PT 6352 concurrent.
- PT 6352. Musculoskeletal Joint Mobilization Lab** (1)
This laboratory course integrates joint mobilization examination and intervention into management of clients with musculoskeletal problems, applying clinical decision-making and problem solving. Students examine the extremities, spine, and temporomandibular joint; design, implement, and modify intervention plans; document results, and; participate in clinical case discussions. Instructions are presented through demonstration, case studies, videotapes, and individual study of instructional material. Lab fee. PT 6310 and PT 6351 concurrent.
- PT 6360. Musculoskeletal Theory and Practice II** (2)
This integrated lecture and laboratory experience explores soft tissue mobilization, muscle imbalance, adverse neural tension, exercise prescription, and taping. Emphasis will be on postural and biomechanical examination, and development the appropriate intervention strategies to improve flexibility, strength, and stabilization by selective muscle recruitment. Lab fee.
- PT 6430 (OT 6430). Research and Clinical Inquiry** (3)
This course introduces the student to clinical research, the systematic investigation performed on human subjects which are related to the principles and practices of a clinical profession. The principles of design and analysis form the context for the examination and integration of scientific knowledge with clinical practice. The laboratory sections provide students with the opportunity to apply concepts from lecture, to develop a research proposal, and to critically evaluate the literature.
- PT 6440. Health Care Delivery** (2)
This course provides students with a basic understanding of the origins, evolution, and trends in institutional and non-traditional health services settings as well as the environmental factors that have influenced the formation of the health care

delivery system. Attention is paid to how the health system has evolved in the last 100 years, particularly since 1965, and how changes in reimbursement have forced changes in all aspects of health care delivery. The ways in which medical and health services are financed, the influence of government and business on health care, and the role of competition in relation to its effects on cost, quality, distribution, and access to health care is explored.

PT 6500 (CD 4500) (OT 6500). Characteristics of Multicultural Populations (3)

This course is designed to give the student an understanding of the influence of social-cultural factors such as age, gender, ethnicity, race, socioeconomic status and geographic region on communication and assist in developing a culturally competent approach to clinical practice. It includes a review of the characteristics and history of a variety of groups as well as an overview of the evaluation instruments, treatment materials, test interpretations and interview techniques recommended for multicultural and/or multi-lingual populations. The graduate course PT/OT 6500 requires independent accelerated additional work appropriate for master's level study. This course fulfills an elective requirement in the physical therapy education program.

PT 6520. Professional Development III (2)

This third course in the professional development series focuses on small group interactions and the therapists' responsibilities to the public. Included topics are small group communication concepts such as group dynamics, cohesiveness, planning meetings, conflict and conflict resolution. In addition, public responsibilities such as legal and ethical issues, consultation regarding architectural barrier assessments, and health promotion are addressed. Instruction is presented through lecture, discussion, student self-study of instructional materials, and student library research.

PT 6940. Capstone I (1)

Working closely with a faculty member, a unique and innovative research, administrative, or educational project is undertaken that reflects integration of content across the curriculum.

PT 6970. Clinical Practice II (1)

This two-week learning experience is designed to allow the student to practice examination and intervention skills associated with the general practice of physical therapy. In addition to the skills expected in PT 5970, the student uses appropriate medical terminology, performs orthopedic examinations, circumferential measurements, examines joint play and conducts sensory and deep tendon reflex testing. The student also performs intervention planning and modification with orthopedic related diagnoses, utilizing gait training and administration of modalities including cryotherapy, super-

ficial and deep heat, hydrotherapy, and debridement.

PT 7360. Complex Clinical Decision Making (2)

This course is designed to facilitate the process of clinical decision making in complex situations. It is specifically offered in the last didactic semester to incorporate the student's clinical experiences into the course content. Included in that process is the discussion of the network of factors influencing clinical decision making, methodology of decision analysis, and effective and appropriate problem solving and development of intervention strategies for the complex patient. Instruction is provided through lecture, class discussion with student moderators, student independent reading, and research of current literature. Clinical case studies are the primary instructional tool.

PT 7440 (OT 6440). Administration and Management (2)

This course is designed to prepare the student in the theory and practical application of managerial/supervisory principles, concerns, and techniques. Topics include managerial structures and functions, development of and planning for organizational operations, financial management, documentation requirements for organizational operations, quality assessment, personnel selection and management, business ethics, communication concerns, and strategies for change in the work place. Instruction is presented through lecture, group discussions/projects, and individual study of instructional material.

PT 7530. Professional Development IV (1)

This fourth and final course in the professional development series focuses on cultural diversity and social action. Student groups research a culture of their choice and provide an oral presentation to the class. In addition, students participate in a Mock House of Delegates and simulate a lobbying experience for or against contemporary issues in physical therapy. Students advance their professional goals by developing a short and long term development plan. Instruction is presented through lecture, discussion, self study of instructional materials, legislative simulation, and student group presentations.

PT 7600. Creating a Practice (1)

This course is designed to utilize information presented in PT 7440 to create a business, along with a formal business plan. Instruction is presented through group discussions/projects, and individual study of instructional materials. This course fulfills an elective requirement in the physical therapy program. Prerequisite: PT 7440.

PT 7610. Assistive Technology (1)

This lecture and laboratory course examines assistive technology used in therapeutic environments. Topics include ergonomics and workstation arrangement, hierarchy of access and switch access,

adaptive software/interfaces/augmentative communication, and ECU/High Tech computer access. Students will have an opportunity to work with various forms of technology including computer applications. This course fulfills an elective requirement in the physical therapy program.

PT 7620. Issues in Health Communication (2)
This course introduces the student to the application of various concepts of communication to interactions in the health care field. Emphasis is placed on interpersonal communication situations involving health care practitioners. Topics addressed include: implications for communication in differing models of health care practitioner-patient relationships, verbal and non-verbal communication. This course fulfills an elective requirement in the physical therapy program.

PT 7630. Manual Therapy (2)
This course is designed to teach manual therapy as applied to the lumbar spine, cervical spine, specified peripheral joints, and soft tissue. Skills are built upon those manual therapy concepts initially introduced in PT 6310/6350. Particular attention is paid to the subjective, objective, and neurological examination, diagnosis of musculoskeletal pathology, its associated problems, appropriate intervention strategies, and modification of the intervention plan. Lab fee. This course fulfills an elective requirement in the physical therapy program.

PT 7650. Qualitative Inquiry (2)
This course is designed to introduce students to the theory and methods of qualitative research. Students learn to formulate a qualitative research question, collect data and analyze findings, and complete a qualitative research project. No prior background in research or social sciences is required. This course fulfills an elective requirement in the physical therapy program.

PT 7670. Pediatric Physical Therapy (2)
This course provides students with basic knowledge of physical therapy practice in the areas of pediatrics and developmental disabilities. Lecture and lab experiences cover the following topics: medical/educational diagnoses and conditions, examination, intervention, documentation, working in teams, and service delivery models in medical, educational, and early intervention settings. This course fulfills an elective requirement in the physical therapy program.

PT 7690. Women's Health (1)
This course will examine how medical knowledge regarding women's health has expanded dramatically in the past decade. The gender specific nature of medical interventions is becoming clearer as women are studied scientifically and medically.

Physical therapists benefit from recognizing gender patterns for disease, as well as gender specific interventions. This course addresses prevalent women's health issues including: hormone replacement therapies, menopause, pelvic floor musculature function, dysfunction, and incontinence; osteoporosis, lymphedema management; pregnancy, exercise, and musculoskeletal disorders; female cardiovascular concerns; and the female athlete. The course consists of both lecture and lab experiences and is held at Shawnee Mission Medical Center. Opportunities are given for observing female support groups and for interaction with key women's health experts.

PT 7700. Principles of Sports Medicine (2)
This lecture laboratory course incorporates principles of theory and practice in prevention, assessment, and treatment of injuries incurred during athletic participation. The work in this course is in the context of clinical and field/court decision making.

PT 7940. Capstone II (2)
In the second of this two-course sequence, the student will continue working closely with a faculty mentor on a unique and innovative research, administrative, or educational project that reflects integration of content across the curriculum. A formal presentation of this project is the final step in the academic portion of the professional master's program.

PT 7970. Clinical Practice III (4)
This course is comprised of a 9-week, full time clinical experience. The student demonstrates competency in examination, intervention, and modification of intervention plans. In addition, students develop consultative and educational skills through patient, family, and public education, family conferences, team meetings and rounds, and referral to appropriate services outside of physical therapy. The student is expected to present an educational inservice or case study for staff development purposes.

PT 7971. Clinical Practice IV (4)
See PT 7970.

PT 7972. Clinical Practice V (4)
See PT 7970.