Courses

**PTOT 5501 Clinical Kinesiology and Biomechanics**: 4 semester hours.
Analysis of normal and pathological human movement in joints, posture, gait, and the vertebral column. Application of movements to therapeutic interventions is emphasized. PREREQ: BIOL 5574.

**PTOT 5502 Clinical Neuroscience**: 5 semester hours.
Study of structure and function of the human nervous system at the cellular and systemic levels. Specific application to clinical management of neurological problems and pathology. PREREQ: BIOL 5574 and BIOL 5586.

**PTOT 5503 Fieldwork Seminar**: 0 semester hours.
Individual or group in the process and procedures of acquiring placement in fieldwork rotations in the MOT program. Will be repeated. Graded S/U. Specific, evaluated graduate-level activities and/or performances are identified in the course syllabus.

**PTOT 5512 Professional Communication**: 2 semester hours.
Introduction to standard forms of professional communication in physical and occupational therapy and among other health care professions. Medical record-keeping and interdisciplinary communication are emphasized.

**PTOT 5513 Occupational Therapy Profession**: 3 semester hours.
Historical overview of occupational therapy in health care, education and psychosocial settings. Occupational therapy process, rural human service delivery system, professionalism, ethics, and legal issues will be examined.

**PTOT 5514 Research Methodology**: 3 semester hours.
Application of principles of research design in the biological, psychological and social sciences. Clinical and laboratory research in occupational and physical therapy are emphasized. Preparation for professional project. PREREQ: PTOT 5513, PTOT 5522, PTOT 6613.

**PTOT 5515 Service Delivery of Occupational Therapy**: 3 semester hours.
Application of theoretical concepts of management to the delivery of occupational therapy services. Development, implementation and outcome evaluation of community-based service delivery systems will be emphasized. PREREQ: PTOT 5522 and PTOT 5532.

**PTOT 5518 Practicum I**: 1-3 semester hours.
Clinical experience in the on-campus clinic or in the community under the direction and supervision of faculty. Current issues in management and administration of practice within interdisciplinary teams are discussed. Graded S/U. PREREQ: PTOT 5532.

**PTOT 5519 Practicum II**: 1-3 semester hours.
Advanced experience in the on-campus clinic or community practice under the direction and supervision of faculty. Current issues in management and administration of clinical practice within interdisciplinary teams are discussed. Graded S/U. PREREQ: PTOT 5533.

**PTOT 5521 Self-Exploration in Occupation**: 3 semester hours.
Focus on self-exploration in occupation and purposeful activity. Self-evaluation in occupational performance areas, components, and context. The student will complete a self-development plan in occupation.

**PTOT 5522 Occupational Performance**: 3 semester hours.
Person/occupation/environment interactions are examined from the perspective of multiple theories and models that analyze typical occupations and address performance dysfunctions. COREQ: PTOT 5542. PREREQ: PTOT 5513 and PTOT 5521.

**PTOT 5523 Therapeutic Use of Self in Occupation**: 2 semester hours.
Survey of historical and philosophical perspective of the therapeutic relationship and its development and implementation with individuals and groups with psychosocial dysfunction. PREREQ: PTOT 5521.

**PTOT 5524 Physical Function in Occupation Performance**: 4 semester hours.
The study of theory and application of occupational performance addressing function. Overview of evaluation and treatment of physical and psychosocial function in rehabilitation and orthopedic management. COREQ: PTOT 5544. PREREQ: PTOT 5501 and PTOT 5502.

**PTOT 5525 Psychosocial Function in Occupation**: 4 semester hours.
Theory, evaluation and intervention techniques in occupational therapy across the lifespan for persons with psychosocial dysfunction in different treatment settings. COREQ: PTOT 5545. PREREQ: PTOT 5522.

**PTOT 5526 Neurological Function in Occupation**: 5 semester hours.
Occupational therapy management of clients with neurological trauma, degenerative disorders, central and peripheral neural and neuromuscular dysfunction. Overview of rehabilitation approach to evaluation and treatment. COREQ: PTOT 5546. PREREQ: PTOT 5502 and PTOT 5524.

**PTOT 5527 Occupation and Environmental Management**: 3 semester hours.
The study and application of occupational therapy in managing environmental factors that restore function and decrease disability. COREQ: PTOT 5547. PREREQ: PTOT 5522 and PTOT 5526.

**PTOT 5528 Occupation with Children and Adolescents**: 4 semester hours.
Study of occupational therapy evaluations and interventions for children and adolescents who have disabling conditions that cause occupational performance problems. COREQ: PTOT 5548. PREREQ: PTOT 5526.

**PTOT 5531 Clinical Affiliation I-Fieldwork I**: 1 semester hour.
Fieldwork opportunities to observe occupational performance of persons served by local institutional or community-based health, educational, and human service organizations. Graded S/U. PREREQ: PTOT 5522 and PTOT 5542.

**PTOT 5532 Clinical Affiliation II-Fieldwork I**: 1 semester hour.
Fieldwork experiences focusing on evaluation of occupational performance dysfunction and interventions with persons served by local institutional or community-based health, educational, and human service organizations. Graded S/U. PREREQ: PTOT 5531.

**PTOT 5533 Clinical Affiliation III-Fieldwork II**: 7 semester hours.
An in-depth clinical fieldwork with clients having physical, psychosocial, neurological, and/or multisystem impairments/disabilities in a facility-based setting such as a hospital or rehabilitation center. Graded S/U. PREREQ: PTOT 5532.

**PTOT 5534 Clinical Fieldwork IV (Level II)**: 7 semester hours.

**PTOT 5542 Occupational Performance Laboratory**: 1 semester hour.
Introduction to and practice using occupation focused evaluation tools and methodologies used in analyzing, evaluating, and categorizing occupational performance. COREQ: PTOT 5522.

**PTOT 5544 Physical Function in Occupation Laboratory**: 1 semester hour.
Laboratory exercise designed to apply evaluation and treatment techniques used in physical and psychosocial occupational performance approach. COREQ: PTOT 5524.
PTOT 5545 Psychosocial Function in Occupation Laboratory: 1 semester hour.
Laboratory exercise designed to apply evaluation and treatment techniques in
the management of psychosocial dysfunction to optimal function. The laboratory
develops preclinical competency in psychosocial function across the lifespan.
COREQ: PTOT 5525.

PTOT 5546 Neurological Function in Occupation Laboratory: 1 semester
hour.
Designed to apply evaluation and treatment techniques to promote adaptation and
optimal function. The laboratory serves to develop preclinical competency in the
management of neurological disorders. COREQ: PTOT 5526.

PTOT 5547 Occupation and Environmental Management Laboratory: 1
semester hour.
Application of environmental modifications and adaptations within work, self
care and recreational environments. Development, implementation and evaluation
of environmental modifications to improve occupational performance. COREQ:
PTOT 5527.

PTOT 5548 Occupation with Children and Adolescents Laboratory: 1 semester
hour.
Laboratory exercise designed to apply evaluation and treatment techniques for
children and adolescents specific to occupational performance dysfunction,
adaptation and optimal function. COREQ: PTOT 5528.

PTOT 5599 Experimental Course: 1-6 semester hours.
This is an experimental course. The course title and number of credits are
noted by course section and announced in the class schedule by the scheduling
department. Experimental courses may be offered no more than three times. May
be repeated.

PTOT 6606 Clinical Therapeutic Exercise: 3 semester hours.
Theoretical and evidence-based application of exercise for various pathological
conditions. Aerobic conditioning, muscular strengthening, flexibility, balance,
coordination, power and agility are discussed, demonstrated and evaluated.
Specific exercise prescription, modes of exercise, and application for desired
outcomes are emphasized. PREREQ: BIOL 5574 and BIOL 5586.

PTOT 6608 Applied Pharmacology for Physical and Occupational Therapists: 3 semester hours.
Study of the major drug groups, therapeutic implications and side effects.
Musculoskeletal, cardiovascular, connective tissue and nervous system disorders
are emphasized. PREREQ: BIOL 5574, BIOL 5586, and PTOT 5502.

PTOT 6613 Physical Therapy Profession: 2 semester hours.
Survey of current status of the physical therapy profession in health care systems.
Professionalism, ethics, legal issues, validation of practice, future projections and
historical perspective.

PTOT 6615 DPT Capstone Project: 1-4 semester hours.
This is a three phase, progressive series of courses. Capstone Phase 1 (1 credit)
requires the study and write up of a clinical pathology. Capstone Phase 2 (1 credit)
requires the in-depth study, development, reporting and presentation of
a patient case with an emphasis on the clinical reasoning and decision-making
related to PT management of the patient. Capstone Phase 3 (2 credits) requires
the in-depth study, development, reporting and presentation of a comprehensive
patient case with an emphasis on the clinical reasoning and decision-making
related to the entire patient care process.

PTOT 6616 MOT Professional Project: 1-2 semester hours.
In-depth study of treatment, administrative, or education problem in occupational
therapy. Preparation and public presentation of a publishable product is required.
May be repeated for up to 6 credits. A minimum of 4 credits is required. Graded
S/U. PREREQ: PTOT 5514.

PTOT 6617 Research Practicum: 1-2 semester hours.
Faculty supervised clinical, basic or applied research project which may include
review of literature preparation, proposal development, data collection, and
manuscript preparation. May be repeated up to 4 credits. Graded S/U. PREREQ:
PTOT 5514.

PTOT 6618 Practicum I: 1-2 semester hours.
Supervised clinical experience in physical therapy. May be repeated up to 4

PTOT 6619 Practicum II: 1-2 semester hours.
Supervised clinical experience in physical therapy. May be repeated for up to 4

PTOT 6620 Clinical Procedures: 2 semester hours.
Study and practice of theory and application of basic techniques of patient
evaluation, handling, and treatment in physical therapy. COREQ: PTOT 5501 or
PTOT 6640.

PTOT 6621 Manual Evaluation and Treatment: 2 semester hours.
Study and practice of theory and application of basic manual techniques of
patient evaluation, handling and treatment in physical therapy. COREQ: 
PTOT 6641. PREREQ: PTOT 6620.

PTOT 6622 Musculo-Skeletal System Management I: 4 semester hours.
Physical therapy evaluation, treatment, and management of patients with muscle,
skeletal, and connective tissue problems. Overview of orthopedic pathology.
COREQ: PTOT 6642. PREREQ: BIOL 5574, BIOL 5586, PTOT 6601 and
PTOT 6621.

PTOT 6623 Physical Agents: 3 semester hours.
Study and practice of theory and application of the therapeutic uses of physical
agents and electromagnetic energy in physical therapy. COREQ: PTOT 6643.
PREREQ: PTOT 6620 and PTOT 6640.

PTOT 6624 Cardiac and Pulmonary Systems Management: 5 semester hours.
Physical therapy management of persons with dysfunction of the cardiac and/
or pulmonary systems and related pathologies. Management by other health
professional team members. PREREQ: BIOL 5586.

PTOT 6626 Neurological Systems Management: 5 semester hours.
Physical therapy management of patients with central and peripheral neural and
neuromuscular dysfunction. Survey of management by other health professionals.
COREQ: PTOT 6646. PREREQ: PTOT 5502.

PTOT 6631 Clinical Affiliation I: 3 semester hours.
Application of physical therapy manual evaluation and treatment skills in acute
and rehabilitation settings. Graded S/U. PREREQ: BIOL 5574, BIOL 5586, and
PTOT 6621.

PTOT 6632 Clinical Affiliation II: 3 semester hours.
Clinical management practicum related to orthopedics, sports medicine, and/or
cardiopulmonary problems. Graded S/U. PREREQ: PTOT 6622, PTOT 6623,
PTOT 6624 and PTOT 6631.

PTOT 6640 Clinical Procedures Lab: 1 semester hour.
Laboratory exercises designed to practice and enhance overall skills in the initial
evaluation and treatment of patients. COREQ: PTOT 6620.

PTOT 6641 Manual Evaluation and Treatment Lab: 1 semester hour.
Laboratory exercises designed to introduce basic theoretic and applied concepts
and skills of patient handling, evaluation and modalities. COREQ: PTOT 6621.

PTOT 6642 Musculo-Skeletal System Management Lab: 1 semester hour.
Designed to develop preclinical competency in the evaluation, treatment, and
management of disorders of the musculoskeletal system. Emphasis on the trunk
and lower extremities. COREQ: PTOT 6622.
PTOT 6643 Physical Agents Lab: 1 semester hour.
Designed to develop clinical competence in the use of physical agents in the treatment of patients with specific pathologies. COREQ: PTOT 6623. PREREQ: PTOT 6620 and PTOT 6640.

PTOT 6646 Neurological Systems Management Lab: 1 semester hour.
Designed to develop preclinical competency in the evaluation, treatment, and management of the patient with neurological disorders including stroke, spinal cord injury, degenerative disease. COREQ: PTOT 6626.

PTOT 6648 Graduate Special Topics: 1-3 semester hours.
Individual or group critical analysis and study of a specific area of physical therapy patient management, administration, or research. May be repeated. PREREQ: 2nd year students and/or permission of instructor.

PTOT 6681 Theories and Resources to Guide Clinical Decision Making in Physical Therapy: 3 semester hours.
Study and application of applying evidence in physical therapy practice. The Guide to PT Practice, Physical Therapy differential diagnosis, and legal and ethical considerations will be addressed.

PTOT 6682 Promoting Behavioral Change in Physical Therapist Practice: 2 semester hours.
Study of the theories of learning, compliance, and behavior modification as related to the application of prevention and wellness in physical therapy practice. PREREQ: PTOT 6681.

PTOT 6693 Contemporary Musculo-Skeletal System Management for Physical Therapists: 2 semester hours.
Applying evidence and elements of accepted practice to PT management of patients across the lifespan with musculoskeletal diagnoses. PREREQ: PTOT 6682.

PTOT 6694 Contemporary Cardiopulmonary System Management for Physical Therapists: 2 semester hours.
Applying evidence and elements of accepted practice to PT management of patients across the lifespan with cardiac and/or pulmonary diagnoses. PREREQ: PTOT 6693.

PTOT 6695 Contemporary Neurological System Management for Physical Therapists: 2 semester hours.
Applying evidence and elements of accepted practice to PT management of patients across the lifespan with neurological diagnoses. PREREQ: PTOT 6694.

PTOT 6696 Patient Case Seminar: 2 semester hours.

PTOT 6699 Experimental Case: 1-6 semester hours.
This is an experimental course. The course title and number of credits are noted by course section and announced in the class schedule by the scheduling department. Experimental courses may be offered no more than three times. May be repeated.

PTOT 7701 Contemporary Multiple System Management for Physical Therapists: 2 semester hours.
Applying evidence and accepted clinical practice to PT management of patients across the lifespan with diagnoses affecting multiple systems. PREREQ: PTOT 6696.

PTOT 7705 Clinical Case Management: 3 semester hours.
Advisor guided development and completion of a patient case study demonstrating the application of evidence for PT examination, diagnoses, medical management, treatment and discharge. Oral presentation required. Graded S/U. PREREQ: PTOT 7701.

PTOT 7715 Physical Therapy Resource Management: 3 semester hours.
Application of business and health care administration principles to the practice of physical therapy resource management strategies with an emphasis on community service delivery. PREREQ: PTOT 6612, PTOT 6613, PTOT 6621 and PTOT 6632.

PTOT 7725 Multi-Systems Management: 4 semester hours.
Physical therapy management of persons with problems affecting multiple systems; burns, wounds, amputations, neoplasms, metabolic disorders. PREREQ: PTOT 6621, PTOT 6622, PTOT 6623 and PTOT 6624.

PTOT 7727 Geriatric Management: 3 semester hours.
Examination, evaluation and treatment of the elderly population with emphasis on the management of normal and pathological conditions. COREQ: PTOT 7728. PREREQ: PTOT 6626 and PTOT 6646.

PTOT 7728 Lifespan Development: 4 semester hours.
Normal and abnormal development of neuromuscular, musculoskeletal, cardiopulmonary systems cognitive/perceptual and psychosocial behavior associated with life through adolescence. Examination, program planning and treatment strategies are introduced. COREQ: PTOT 7727. PREREQ: BIOL 5574 and BIOL 5586.

PTOT 7733 Clinical Affiliation III: 5 semester hours.

PTOT 7734 Clinical Affiliation IV: 5 semester hours.

PTOT 7735 Clinical Externship: 5 semester hours.
Clinical management experiences related to patient care, administration, or research in a variety of practice environments. Graded S/U. PREREQ: PTOT 7734.