OT - Occupational Therapy

Course Descriptions - Occupational Therapy (OT)

OT 606. Frameworks for Occupational Therapy Practice.--Introduction to fundamental concepts and theories which shape occupational therapy practice. Prerequisite: OT 675. 4 hours.

OT 607. Therapeutic Media.--Introduction to treatment techniques commonly used in occupational therapy practice; group dynamics, interaction skills, task analysis, craft modalities, and activities of daily living; application of typical growth and development in relationship to different age and treatment populations. Prerequisite: Permission of instructor. 7 hours.

OT 608. Neurophysiological Principles of Patient Care.--Study of underlying neuroanatomical and neurophysiological principles as basis for evaluation and treatment of patients with neurological disorders; study of current research in selected areas of applied neurophysiology. Prerequisite: permission of instructor. 5 hours.

OT 609. Barriers to Occupation Performance.--Exposure to content specific to human disease processes, injuries, and developmental or inherited abnormalities within body systems that affect individual's occupational performance. Prerequisite: permission of instructor. 3 hours.

OT 611. Strategies of Evaluation.--Continuation of content taught in OT 607 with focus on assessment with activities and adaptation of tasks and environments to facilitate meeting needs of individuals and specific populations. Prerequisite: permission of instructor. 6 hours.

OT 620. Gross Anatomy.--Advanced study of human body by means of dissection, demonstration, and lecture. Prerequisite: permission of instructor. 6 hours.

OT 623. Human Neuroanatomy.--Advanced study of structure and function of central nervous system. Prerequisite: permission of instructor. 3 hours.

OT 624. Therapeutic Enhancement of Occupation I.--Aspects of treatment planning, implementation, and specific treatment strategies across diagnostic categories and throughout life span; patient needs using holistic approach that incorporates all aspects of individual's lifestyle; basic and instrumental activities of daily living, performance components and contexts, environmental contexts and occupational performance issues related to adaptation and life satisfaction. Prerequisite: permission of instructor. 4 hours.

OT 625. Therapeutic Enhancement of Occupation II.--Aspects of treatment planning, implementation, and specific treatment strategies across diagnostic categories and throughout life span; patient needs using holistic approach that incorporates all aspects of individual's lifestyle; areas of work/productive occupation and play/leisure addressing performance components and contexts and how these areas affect occupational performance. Prerequisite: permission of instructor. 4 hours.
OT 628. Pharmacology in Rehabilitation.--Survey of pharmacology with emphasis on medications used by patients treated by occupational therapists; pharmacological principles that apply to all groups of drugs; emphasis on medications used for physical and behavioral disorders. Prerequisite: permission of instructor. 2 hours.

OT 630. Occupational Performance.--Critical review of approaches to evaluating occupational performance including conceptual models, frames of reference, clinical applications, and development of assessment tools; emphasis on documentation of clinical outcomes. Prerequisite: permission of instructor. 3 hours.

OT 631. Functional Anatomy, Goniometry, and Manual Muscle Testing.--Basic kinesiological principles and functional movement patterns of the human body; introduction to processes of clinical measurements; study of principles and techniques for obtaining data about status of patients' clients' joint range of motion and muscle strength. Prerequisite: permission of instructor. 5 hours.

OT 632, 633. Fieldwork Seminar I, II.--Forum for exchange of ideas and experiences; detailed case study/inservice on modality and treatment technique/intervention chosen from client/patient/consumer census during previous term's Level I Fieldwork experience. Prerequisite: permission of instructor. 1 hour each.

OT 634. Seminar in Professional Readiness.--Forum for exchange of ideas and experiences; student, faculty, and alumni presentations on variety of topics; integral part of Level II Fieldwork Experiences, OT 685 and 686. Prerequisite: permission of instructor. 1 hour.

OT 636. Principles of Applied Forces in the Upper Extremity.--Anatomical and biomechanical concepts of normal and pathological movement in arm or hand; principles of dynamic assist, remodeling analysis, and clinical evaluation of adapted upper extremity performance. Prerequisite: permission of instructor. 3 hours.

OT 651. The Spectrum of Physical, Psychosocial and Developmental Patient Care.--Progression of professional roles from population's evaluation to treatment of occupational performance deficits; small groups mentored by interdisciplinary faculty to stimulate individual and cooperative skills. Prerequisite: permission of instructor. 4 hours.

OT 655. Qualitative Research Methods for Health Professionals.--Comparison of basic concepts of qualitative and quantitative research; qualitative research's role in discovering theory and its various applications in practice in health care professions; research design, data collection strategies, and methods of analysis. Prerequisite: permission of instructor. 3 hours.

OT 656. Data Management for Clinical Research.--Strategies for collecting, storing, and analyzing data; methods for managing qualitative and quantitative data gathered in clinical settings; introduction to computer software used for analysis. Prerequisite: OT 667. 3 hours.

OT 660. Seminar in Interdisciplinary Services for Infants, Children, and Youth with Development Disabilities.--Synthesis of team-based approaches to intervention for infants, children, and youth with known or
suspected disabilities. Prerequisite: permission of instructor. 1-2 hours.

**OT 664. Management and Practice.**--Introduction to basic principles of organization and administration of occupational therapy programs related to practice in variety of settings; important information for students’ consideration as practitioner in the 21st century. Prerequisite: permission of instructor. 4 hours.

**OT 665. Geriatric Rehabilitation for Health Professionals.**--Rehabilitation of elderly from perspective of functional impact of age-related changes, evaluation and remediation of functional limitations, and personal and environmental adaptations to promote continuing autonomy. Prerequisites: OT 611, 624, and 625. 3 hours. (Also GER 665)

**OT 666. Splinting.**--Anatomical and biomechanical concepts for splint selection, design, and application as related to remediation of occupational performance deficits. Prerequisite: permission of instructor. 2 hours.

**OT 667. Research Methods.**--Research ethics, experimental design, basic statistical concepts, and types of research that enable student to critically analyze and use scientific literature to improve clinical practice; emphasis on understanding components of research report and concepts associated with judging internal and external validity. Prerequisite: permission of instructor. 3 hours.

**OT 671. The Advanced Theory of the Assessment Process in Occupational Therapy.**--Advanced theory and concepts of evaluation and measurement. Prerequisite: permission of instructor. 3 hours.

**OT 674. Technology Applications for Clinicians.**--RESNA technology competencies for occupational therapists; laws affecting availability of assistive technology; assessments used in evaluation of clients for technology prescription, seating and wheelchairs, computer input devices, augmentative communication systems, and environmental controls. Prerequisite: permission of instructor. 2 hour.

**OT 675. History of Occupation.**--Historical survey of occupation, occupational meaning, and purposeful activity as used by occupational therapists in study of occupational nature of human beings across life span; how leaders of profession articulate occupational and therapeutic applications across time. Prerequisite: permission of instructor. 3 hours.

**OT 676. Introduction to Problem Based Learning and Action Research.**--Problem-based critical inquiry; clinical problem solving from the perspective of client-centered based using action research methods. Prerequisite: permission of instructor. 3 hours.

**OT 677. Introduction to Low Vision Rehabilitation I.**--Basic evaluation and treatment techniques for persons experiencing functional limitations secondary to visual impairment from hereditary conditions, disease, and trauma. Prerequisites: Permission of instructor. 3 hours.

**OT 678. Animal Therapy.**--Fundamental knowledge of role of animals (dogs and horses) in occupational therapy; basic anatomy and diseases of these species; methods for minimizing exposure of patients to zoonotic diseases; emphasis on animal assisted therapy and therapeutic

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riding/hippotherapy; introduction to key organizations which govern these areas of practice and their certification processes. Prerequisite: permission of instructor. 2 hours.

**OT 679. Foundations in Low Vision Rehabilitation II.**—Specific treatment strategies to enhance occupational performance in persons with visual impairment. Learn to use information obtained from evaluations to select and implement appropriate treatment interventions to facilitate areas of occupational performance compromised by vision loss. Prerequisite: OT 677. 3 hours.

**OT 680. Clinical Education and Supervision.**—Departmental management and supervision of employees with secondary focus on occupational therapy fieldwork supervision. Prerequisite: permission of instructor. 3 hours.

**OT 681. Practicum in Consultation.**—Prerequisite: permission of instructor. 1-2 hours.

**OT 682. Advanced Clinical Practicum.**—Prerequisite: permission of instructor. 1-3 hours.

**OT 683. Practicum in Teaching.**—Prerequisite: permission of instructor. 1-3 hours.

**OT 685. Advanced Field Experience I.**—Prerequisite: permission of instructor. 10 hours.

**OT 686. Advanced Field Experience II.**—Prerequisite: permission of instructor. 10 hours.

**OT 688. Advanced Practice Topics.**—In-depth exposure to selected practice topic. Prerequisites: OT 607, 624, and 625. 2 hours.

**OT 692. Directed Readings.**—Study of specific topic or area under guidance of faculty member. Prerequisite: permission of instructor. 1-3 hours.

**OT 698. Master's Level Non-Thesis Research.**—Prerequisite: permission of instructor. 1-6 hours.

**OT 699. Master's Level Thesis Research.**—Elements of proposal and development of thesis/project; thesis and institutional review board procedures; student presentation, group discussion, recommendations, and critique. Prerequisite: admission to candidacy. 1-6 hours.