

OCCUPATIONAL THERAPY (OTM)

OTM 201. Introduction to Medical Terminology. 1 Credit Hour.

This course introduces students to the language of the health professions. Using a systematic approach, students will learn the meanings of prefixes, suffixes, combining vowels, and word roots as they relate to anatomy, physiology, and pathological conditions. At the conclusion, students will be able to recognize, build, and produce basic medical vocabulary.

OTM 202. Concepts in Neuroscience. 3 Credit Hours.

Concepts in Neuroscience is an introductory course of the anatomy and physiology of the human nervous system. It is designed to help students entering medical professions understand the basic concepts of neuroscience as they relate to function and performance. Neuroanatomy, neurophysiology, and neurochemistry are presented as a basis for understanding how nervous system activity impacts performance.

OTM 501. Introduction to OT. 2 Credit Hours.

This course introduces students to the Occupational Therapy Practice Framework: Domain & Process, and the International Classification of Functioning, Disability & Health, two official documents guiding the practice of occupational therapy. Students will be introduced to the philosophical and theoretical tenants of the profession and develop foundational skill in completing occupational profiles and task analysis as a means of analyzing and understanding the basic components of occupational performance and participation in meaningful life activities.

OTM 502. Functional Anatomy. 3 Credit Hours.

This course reviews the most important features of anatomy including bones, joints, muscles, blood vessels, muscle palpation, and peripheral nerves and connects their relevance to functional movement. Drawing from knowledge of biological and physical sciences, as well as basic neuroscience, the structure, function, and application of basic biomechanical, neuromuscular, and musculoskeletal principles are discussed in relation to everyday activities and occupational performance. In addition, students learn to relate foundational principles covered in the lecture through practical experiences during the cadaver dissection lab.

OTM 502L. Functional Anatomy Lab. 0 Credit Hour.

OTM 503. Clinical Medicine. 3 Credit Hours.

General Medicine diagnoses that are the leading cause of disability in children, adolescents, adults, and older adults are defined and described. Etiology, signs, symptoms, clinical course, medical management, morbidity, and prognosis are reviewed. The influence of medical pathology on activities of daily living and routines and social participation is examined.

OTM 504. Health Care Ethics & Advocacy. 2 Credit Hours.

This course introduces students to the Occupational Therapy Code of Ethics as a framework for ethical decision-making as an occupational therapy practitioner. Additionally, this course examines advocacy methods at both the individual and systems levels. Informed by Jesuit social teaching, this course then applies ethical decision-making strategies toward creating a more just society supporting occupational participation. Students learn to advocate for the community at large within the systems that support or influence occupational participation, the profession of occupational therapy, and the consumers of occupational therapy services.

OTM 505. Foundations of Occupational Science in OT Practice. 3 Credit Hours.

This course introduces students to the history and philosophy behind the discipline of occupational science. Students will explore theory and philosophy supporting meaning and participation in occupation and develop a deeper appreciation of what it means to be an occupational being. Observation, interview, and narrative will be used as tools to better understand the meaning of occupation. The focus of this course is on understanding occupation and context at the person level.

OTM 506. OT Practice in Mental Health. 3 Credit Hours.

This course introduces students to Mental Health as a distinct practice area for occupational therapy practitioners. Students will learn about various theories, models, and frames of reference that inform occupational therapy for clients with mental health issues as well as how to apply the OT process across a continuum of care for those receiving mental health services. Emphasizing the Jesuit value of cura personalis along with the profession's holistic approach to care, this course prepares students with the clinical skills necessary to analyze and address the impacts of mental illness and psychosocial factors on occupational performance regardless of practice setting.

Prerequisite: OTM 501, OTM 503, OTM 504, OTM 505.

Corequisite: OTM 511.

OTM 507. Fundamentals in Neuroscience for Rehabilitation. 3 Credit Hours.

The anatomy and physiology of the human nervous system are explored with emphasis on understanding the neural basis of sensory processing, movement, emotion, and behavior, as well as the functional consequences of different types of lesions, diseases or dysfunction. Topics include neuroanatomy, function of central, peripheral, limbic, and autonomic nervous systems, motor control, sensation (vision, hearing, vestibular, somatosensation) and cognition while learning and demonstrating components of a neurological exam that are clinically relevant to those areas. Students will be presented with case studies to apply the concepts to daily human occupations, which reinforce the clinical application of the course topics. A brain lab accompanies this course to allow students to recognize brain structures and connect their relevance to neurological function and human occupation.

Prerequisite: OTM 502, OTM 502L, OTM 503.

Corequisite: OTM 507L.

OTM 507L. Fundamentals in Neuroscience for Rehabilitation Lab. 0 Credit Hour.

OTM 508. Use of Groups in OT Practice. 2 Credit Hours.

This course is designed to introduce students to the application of the OT process to address the occupational performance of groups, as well as the use of group intervention as a distinct service delivery method used in OT practice. Through a combination of didactic methods and experiential learning, students will be introduced to concepts of group dynamics, group leadership and facilitation as well as designing group sessions or protocols for use across the lifespan and in a variety of practice settings.

Prerequisite: OTM 501 and OTM 505.

OTM 509. Movement, Participation and Adaptation Of Occupation. 3 Credit Hours.

This course supports students to develop foundational knowledge of occupational performance and human movement necessary for subsequent assessment and intervention courses. Additionally, biomechanical principles of joint and muscle structure and function will be applied to occupational performance. Students will learn assessments and techniques most commonly used in occupational therapy practice including goniometry of range of motion (ROM), and manual muscle testing (MMT). Employing logical thinking, critical analysis, problem solving, and creativity; students learn how to analyze and adapt occupations and activities. Students will be able to explain the meaning and dynamics of occupation and activity, including the interaction of areas of occupation, performance skills, performance patterns, activity demands, context(s), and client factors. Through a group project, students will articulate the value of occupation to support participation.

Prerequisite: OTM 501, OTM 502, and OTM 502L.

Corequisite: OTM 509L.

OTM 509L. Movement, Participation and Adaptation Of Occupation Lab. 0 Credit Hour.**OTM 510. Introduction to Inquiry & Evidence Based Practice I. 3 Credit Hours.**

This is the first of a series of courses introducing students to the concepts of evidence-based practice and scholarship. Students will search, read, analyze literature that validates current practice. Communication skills such as writing article summaries, creating visual representations, and presenting findings to peers will be assessed. Particular emphasis will be placed on exploring, understanding, interpreting and analyzing quantitative methodology.

Prerequisite: OTM 501 and OTM 504.

OTM 511. Fieldwork I-1A. 1 Credit Hour.

Students will complete a Level I fieldwork experience related to OT practice in a mental health setting or with those experiencing mental illness. During this experience, students will have the opportunity to apply knowledge to practice and develop an understanding of the needs of clients from this population and across mental health practice settings. This experience is intended to enrich the didactic content taught in the OTM 506 course. Pass/Fail only.

Corequisite: OTM 506.

OTM 601. OT Practice in Adults and Geriatrics. 3 Credit Hours.

The focus of this course is on the largest growing demographic group in this century, older adults. You will explore the range of geriatric practice settings and service delivery models. You will apply various evidence-based theories, models, and frames of reference that shape occupational therapy for older adults. This course will address the complex physical, psychosocial, and contextual barriers to occupational performance for older adults, with a significant emphasis placed on the health-pathology continuum. You will examine primary conditions encountered, and learn how to evaluate the subsequent effects on an individual's occupational performance using a variety of assessment tools. Evidence-based practice and ethical decision-making are emphasized throughout the course.

Prerequisites: OTM 501, OTM 502 & OTM 502L, OTM 503, and OTM 504.

Corequisites: OTM 602 and OTM 611.

OTM 602. Intervention Process & Strategies in Adults and Geriatrics. 4 Credit Hours.

This course builds on the foundational principles learned in pre-requisite courses to prepare students to develop and implement evidenced-based, and client-centered interventions related to the areas of occupation outlined in the Occupational Therapy Practice Framework for a variety of clients in different contexts and settings. Lab experiences will promote clinical skills and case-based assignments will emphasize the use of clinical reasoning to determine the appropriate intervention approach for a particular client. Competency in entry-level intervention skills is emphasized throughout the course in preparation for Level II Fieldwork experience. The course includes modules specific to documentation in the OT practice and upper extremity splinting techniques.

Prerequisites: OTM 501, OTM 502 & OTM 502L, OTM 503, OTM 504, OTM 505, OTM 506, OTM 507 and OTM 509.

Corequisites: OTM 601, OTM 611.

OTM 603. Inquiry & Evidence Based Practice II. 3 Credit Hours.

This second course in the evidence-based practice sequence focuses on the critical analysis of qualitative methods in sociological research. The purpose of this course is twofold: (1) to learn various methodological approaches used to study the lived experience, and (2) to describe a project designed to inform a specific research question. Students will work in groups to make decisions, design a project, and present the design elements.

Prerequisite: OTM 510.

OTM 604. Neuro-Rehabilitation. 3 Credit Hours.

In this course, students develop knowledge and skills pertaining to the evaluation and treatment of individuals with neurologic injury or disease. Specific to occupational therapy practice, students will learn and practice specific standardized assessments, evaluation and treatment strategies, and rehabilitation techniques pertinent to the deficits associated with a neurologic injury/disease while developing clinical decision-making skills to enhance participation in occupation. Laboratory sessions provide students with the opportunity to develop competency in formal/ informal assessment and intervention techniques used in neuro rehabilitation in occupational therapy practice.

Prerequisite: OTM 507.

OTM 604L. Neuro-Rehabilitation Lab. 0 Credit Hour.**OTM 605. Professional Reasoning. 2 Credit Hours.**

This course provides students with an introduction to the fundamental concepts of professional reasoning and critical inquiry as the basis for professional and interdisciplinary decision-making. Students will examine current theories of professional reasoning, explore assumptions that influence everyday decision-making and develop an attitude of inquiry. Using readings, discussion, lecture and reflective activities, students will learn how therapists reason in practice and begin to apply these skills to practice.

Prerequisite: OTM 505.

OTM 606. Clinical Internship Level II Seminar I. 0.5 Credit Hour.

This seminar course prepares students for the transition from the academic setting to educationally directed clinical/community practice experiences under the supervision of a clinical fieldwork educator. Topics will include but not be limited to professional identity and behaviors including Level II fieldwork expectations and evaluation procedures, Le Moyne College Department of Occupational Therapy policies and procedures related to the fieldwork experience, supervisory relationships, diversity, and conflict resolution. Through sharing clinical cases and students prior level I experiences they will gain awareness of clinical reasoning skills, professional behaviors and practical issues and make connections between course based learning and clinical/community practice. Through discussion and activities students will understand the professional skills needed for successful Level II fieldwork participation and becoming an entry-level OT practitioner.

OTM 611. Fieldwork I-2A: Adults. 1 Credit Hour.

Students will complete a level I fieldwork experience related to OT practice with the adult and older adult populations. During this experience, students will have the opportunity to apply knowledge to practice and develop an understanding of the needs of clients from this population and across adult and geriatric practice settings. This experience is intended to enrich the didactic content taught in the OTM 601 and OTM 602 courses. Pass/Fail only. Corequisite: OTM 601 and OTM 602.

OTM 612. Fieldwork I-3A: Pediatrics. 1 Credit Hour.

Students will complete a Level I fieldwork experience related to OT practice in pediatrics. During this experience students will have the opportunity to apply knowledge to practice and develop an understanding of the needs of clients from this population and across pediatric practice settings. This experience is intended to enrich the didactic content taught in OTM 622 and OTM 623. Pass/Fail only. Prerequisite: OTM 611.

Corequisites: OTM 622 and OTM 623.

OTM 621. Clinical Internship Level II Seminar II. 0.5 Credit Hour.

This seminar course prepares students for the transition from the academic setting to educationally directed clinical/community practice experiences under the supervision of a clinical fieldwork educator. Topics will include but not be limited to professional identity and behaviors including Level II fieldwork expectations and evaluation procedures, Le Moyne College Department of Occupational Therapy policies and procedures related to the fieldwork experience, supervisory relationships, professional licensure & credentialing including the NBCOT examination. Through sharing clinical cases and students prior level I experiences they will gain awareness of clinical reasoning skills, professional behaviors and practical issues and make connections between course based learning and clinical/community practice. Through discussion and activities students will understand the professional skills needed for successful Level II fieldwork participation and becoming an entry-level OT practitioner.

Prerequisite: OTM 606.

OTM 622. OT Practice with Children and Youth. 3 Credit Hours.

The focus of this course is on the evaluation process and foundations of occupational therapy services for children, youth, and their families in various settings and models of service delivery. Students explore the pediatric OT processes and tools; policies and legislation influencing practice; primary conditions encountered; and the roles of the occupational therapist in pediatric practice. This course emphasizes theoretical concepts related to human occupation and performance in social, spiritual, and emotional contexts of children and youth. The course will also initiate the students' appreciation and value of community participation through active and inclusive living through fieldwork. The student will actively engage in the course through multiple learning processes including collaborations with peers, community stakeholders, and faculty; discussion and reflection of the congruence and discord of knowledge and experience; and self-directed learning through individual and group problem solving of individual and community needs. This course will facilitate a rigorous culture of scholarly inquiry as students begin to challenge beliefs and thoughts in occupational therapy theory and practice. As the student gains knowledge and experience with the occupational therapy theoretical and assessment process for children and youth, the student will articulate a sense of professional identity and responsibility to peers, faculty, the community, the profession, and to society.

Prerequisite: OTM 501, OTM 503, OTM 505 and OTM 506.

Corequisites: OTM 612 and OTM 623.

OTM 623. Evaluation and Intervention for Children And Youth. 4 Credit Hours.

This course integrates evidence and theory in contemporary applications of occupational therapy in multiple pediatric/adolescent service delivery models. Cases will include increasingly complex psychosocial, physical, and contextual barriers to occupational performance for children and adolescents using active and problem-based learning approaches. A significant emphasis is placed on evaluation, intervention, outcomes and documentation related to the various cases presented. Evidence based practice, clinical reasoning, and ethical decision-making will be emphasized throughout the course.

Prerequisites: OTM 601 and OTM 602.

OTM 624. Rehabilitation Engineering & Assistive Technology. 2 Credit Hours.

This course focuses on understanding the use of technology to support performance, participation, health, and wellbeing. This technology may include, but is not limited to, rehabilitative, educational, and assistive technologies such as virtual environments and telehealth technology. Students demonstrate innovation and creativity as they design, fabricate, apply, and fit technologies to address occupational needs to support, independence, engagement, and wellbeing.

OTM 625. Occupation in Community & Justice. 2 Credit Hours.

Building on Occupational Science Foundations, this course focuses on how systems, communities, and organizations influence health disparity and occupational participation. Students will explore, through systematic observation, interview, and analysis the determinants of population based health and wellness, barriers and supports to occupational participation, and the concepts of occupational and social justice.

Prerequisite: OTM 605.

OTM 626. Master Capstone Project I Research Project. 1 Credit Hour.

This course is the first of three courses comprising the Master Capstone Project experience. Under the guidance of a faculty mentor, students will design a capstone project in response to an identified gap in practice or area of growth for the profession of occupational therapy. Students are able to choose from several different project types including but not limited to an original research project, a program proposal, tool or product design, or manuscript. The project should have a direct connection to the mission of Le Moyne College and the Department of Occupational Therapy as well as at least one of the program's curricular threads. In this first course students will complete a project proposal and implementation plan.

Prerequisite: OTM 603.

OTM 627. OT Management & Leadership. 2 Credit Hours.

This class focuses on management and leadership in occupational therapy across practice settings. It provides an overview of payment systems, departmental organization, marketing, supervision, quality improvement, and program evaluation. It provides students with the tools needed to lead OT programs and people with emphasis on important concepts of leadership including decision-making, conflict resolution, negotiation, and relational communication.

Prerequisite: OTM 504.

OTM 646. Master Capstone Project II. 1 Credit Hour.

This course is the second of three courses comprising the Master Capstone Project experience. With continued guidance from their faculty mentor, students will complete the implementation phase of their capstone project. The implementation phase will differ depending upon the type of project being completed. At the end of the semester students will conduct an oral presentation of their work in progress as it aligns with the capstone project plan completed in the OTM 626 course.

Prerequisite: OTM 626.

OTM 676. Master Capstone Project III. 1 Credit Hour.

This course is the last in the series of courses comprising the Master Capstone Project experience. In this final course students present their work through the completion of a Scholarly Paper and a public poster presentation. In so doing, students will demonstrate the ability to disseminate knowledge. Successful completion of the master capstone project will serve to demonstrate students' ability to synthesize knowledge, engage in creative, critical, and analytical thinking, apply their professional OT skill set to practice, and engage in reflective practice consistent with the foundational Jesuit values of the institution.

Prerequisite: OTM 646.

OTM 685. Level II Fieldwork Adults/Geriatrics. 9 Credit Hours.

The Level II fieldwork/internship course is required by the Accreditation Council for Occupational Therapy Education (ACOTE). This full-time fieldwork experience is the final stage of preparing occupational therapy students for entry-level practice. This course entails a full-time supervised clinical experience with the opportunity to treat individuals with a variety of diagnoses across the life span. Students are assigned to an approved clinical education site in accordance with the Standards for an Accredited Educational Program for the Occupational Therapist, as stipulated by ACOTE. All professional courses and Fieldwork Level I must be successfully completed before the students are permitted to enter Fieldwork Level II. Level II Fieldwork is an in-depth, hands-on, lived experience, critical to occupational therapy education. In supervised settings, students apply their academically acquired knowledge to the adult/older adult population, in a variety of settings, and at various levels of care where occupational therapy is already provided or would be of benefit. It includes but is not limited to most healthcare institutions, outpatient clinics, community-based services, and/or schools. This course addresses the contextual application component of the curriculum; reflecting the educational themes of Interdisciplinary learning, creativity, innovation, knowledge, leadership, and communication embedded in a Global Perspective of practice. Pass/Fail only.

Prerequisite: OTM 506, OTM 509, OTM 601, OTM 602, OTM 604.

OTM 686. Level II Fieldwork Pediatrics. 9 Credit Hours.

The Level II fieldwork/internship course is required by the Accreditation Council for Occupational Therapy Education (ACOTE). This full-time fieldwork experience is the final stage of preparing occupational therapy students for entry-level practice. This course entails a full-time supervised clinical experience with the opportunity to treat individuals with a variety of diagnoses across the life span. Students are assigned to an approved clinical education site in accordance with the Standards for an Accredited Educational Program for the Occupational Therapist, as stipulated by ACOTE. All professional courses and Fieldwork Level I must be successfully completed before the students are permitted to enter Fieldwork Level II. Level II Fieldwork is an in-depth, hands-on, lived experience, critical to occupational therapy education. In supervised settings, students apply their academically acquired knowledge to the pediatric population, in a variety of settings, and at various levels of care where occupational therapy is already provided or would be of benefit. It includes but is not limited to most healthcare institutions, outpatient clinics, community-based services, and/or schools. This course addresses the contextual application component of the curriculum; reflecting the educational themes of Interdisciplinary learning, creativity, innovation, knowledge, leadership, and communication embedded in a Global Perspective of practice. Pass/Fail only.

Prerequisite: OTM 612, OTM 622, and OTM 623.