OCCUPATIONAL THERAPY
(OTDP)

OTDP-701 Neuro-Dynamics of Occupation Credits: 3
Term Offered: Fall Term
Course Type(s): OL
Offers study into the emerging art and sciences of "braiding" occupation with neuroscience. The origins and current-status of Neuro-occupation will be identified and related to theory and research pertinent to occupational therapy including occupation based practice and integrated using clinical reasoning. The course provides an overview of neuroscience, philosophy of science and chaos/complexity theory as the foundation of understanding neuroscience and occupation as they inter-relate. Pertinent neuroscience systems are covered with an emphasis placed on examination of the neurological system as a system of support underlying occupation, occupational patterns, and the occupational nature of humans. Identification of an area of study pertinent to occupational therapy practice will be made and professional literature supporting Neuro-occupational coupling will be explored. The course builds upon the program view of students as self-directed and critically inquiring learners, and provides students with the opportunity to explore areas of study with potential for advancing occupational therapy knowledge and transforming current and future practice.

OTDP-702 Mx Methods in Translational Health Sciences Credits: 3
Prerequisite(s): OTDP-703
Term Offered: Fall Term
Course Type(s): OL
Introduces mixed methods as a legitimate design tradition, with a unique set of procedures for data collection, analysis, and strategies to assure rigor and accuracy. The course will begin with an overview of qualitative research traditions as the basis for integrating qualitative and quantitative design components in a mixed methods study. Special emphasis will focus on maintaining the scientific rigor of the predominant design tradition while building in flexibility to adequately address complex translational questions. Learners will design a mixed methods study to address a translational research question.

OTDP-703 Quality Improvement through Translational Practices Credits: 3
Term Offered: Fall Term
Course Type(s): OL
Introduces students to concepts in quality improvement and the current post-acute healthcare environment that is creating a culture of quality and value-based purchasing. Students will understand the components of a quality indicator, including both process and outcome indicators. Students will reflect on how the field of healthcare generally, and their own practice specifically, can benefit from defining and monitoring quality. The course will also consider how to develop and validate quality indicators and implement quality improvement projects, exploring the connection with evidence-based practice. Students will learn how to track and monitor quality improvement projects. Also listed as OTD-703.

OTDP-704 Theoretical Foundations and Health Innovations Credits: 3
Prerequisite(s): OTDP-703
Term Offered: Fall Term
Course Type(s): OL
Introduces students to common theories from behavioral and social sciences that are currently being used in health behavior, health educations, and promotion. Students will explore the application of theory as the basis for designing health intervention programs that can be tested using scientific methods, replicated in practice, and inform policy. The program development and evaluation process used is applicable to a wide range of health intervention programs, including programs delivered through health education, group theory, one-on-one treatment and telemedicine.

OTDP-705 Statistics Credits: 3
Prerequisite(s): OTDP-702
Term Offered: Summer Term
Course Type(s): OL
The fundamental principles of research designs, measurement, sampling and ethics will be covered. The course will teach basic statistical methods in which students should have the opportunity to execute their own analyses. This includes generation of descriptive statistics, correlations, t-tests, Chi-square tests, analysis of contingency tables, one-way ANOVA, and simple regression. The course will also introduce additional statistical methods about which students should be knowledgeable, including multiple linear regression, logistic regression and survival analysis.

OTDP-706 Capstone Preparation Credits: 3
Prerequisite(s): OTDP-702
Term Offered: Fall Term
Course Type(s): OL
Designed to result in a well-defined, evidence-based, and feasible capstone proposal, including literature review, problem statement, project goals and procedures, evaluation approach, timeline with benchmarks, recruitment plan, and application for human subjects' oversight (i.e., IRB approval), if indicated. Designed as a combination of didactic information, peer discussion, and advisor discussions, this course will train students to more effectively communicate the purpose, rationale/theory, and design of their proposed capstone.

OTDP-801 Evidence-Based for Healthcare Professions I Credits: 3
Prerequisite(s): OTDP-704
Term Offered: Fall Term
Course Type(s): OL
Provides an overview of the role of evidence-based knowledge and research in everyday professional work. Students will be introduced to several bodies of literature to better understand 1) an interdisciplinary perspective on health, and 2) multiple frameworks available to support research questions. As the basis for life-long learning, students will learn to critique articles and base decisions on available evidence.
OTDP-802  Global International Healthcare Engagement  Credits: 3
Prerequisite(s): OTDP-801
Term Offered: Fall Term
Course Type(s): OL
Health, technology, social, and environmental problems, impacting our world are complex and there is an increasing need to address the issues through collaborative scientific pursuit. This course will explore the factors that explain the unequal distribution of health and disease in the world. The course will begin with an introduction to the language of global health: the burden of disease, epidemiology, cost-effectiveness, and health systems. It will then analyze the rationale for and modes of intervention to improve global health by exploring a number of high-profile topics, including the HIV/AIDS epidemic, access to pharmaceuticals, human resources for health, and maternal and child health. The course will incorporate knowledge and views for multiple academic disciplines (public health, economics, politics, management, sociology, etc.). Also listed as OTD-802.

OTDP-806  Final Capstone Project  Credits: 3
Prerequisite(s): OTDP-702, OTDP-703, OTDP-704, OTDP-705, OTDP-706, OTDP-801, and OTDP-802
Term Offered: Fall Term
Course Type(s): OL
Students complete a Capstone Project reflecting the synthesis and application of evidence-based practice and occupational therapy principles learned within the Monmouth University Post Professional OTD curriculum. Student generated learning outcomes and products of practice/professional scholarship that informs occupational therapy practice. The quality of the Capstone Project shall meet high standards for professional presentations and illustrate application of best available evidence and integration of practice. The course requires students to engage with peers online constructively feedback and accountability. Student will present their capstone at Monmouth University and it will be transmitted live to all faculty and students who wish to join the presentation. Students conclude with final reflections upon the learning process. Prerequisites: OTDP-702, OTDP-703, OTDP-704, OTDP-705, OTDP-706, OTDP-801, and OTDP-802

OTDP-807  Principles of Management in Health Care Systems  Credits: 3
Prerequisite(s): OTDP-705
Term Offered: Fall Term
Course Type(s): OL
Tackles the challenging issues facing today’s health services administrator. It presents the changing healthcare landscape in the US with the demands placed on its healthcare leaders. Grounded in the practices of continuous quality and performance improvement at all levels of an organization the course examines virtually every aspect of health services leadership and management, from day-to-day decision making personnel and resource management to transformational change processes. The course draws primarily from the fields of organizational theory and behavior to equip students with management and leadership competencies that enable them to make a positive difference in their work organizations and in the health of populations.

OTDP-808  Decision Models and Financial Analysis  Credits: 3
Prerequisite(s): OTDP-807 (for OTDP-808) or OTD-703 (for OTD-808).
Term Offered: Fall Term
Course Type(s): OL
Introduces the basic principles and techniques of applied mathematical modeling for managerial decision making. Students learn to use some of the more important analytic methods (e.g., spreadsheet modeling, optimization, Monte Carlo simulation) to recognize their assumptions and limitations and to employ them in decision making. Students learn to: develop mathematical models that can be used to improve decision making within an organization, sharpen their ability to structure problems and to perform logical analyses, translate descriptions of decision problems into formal models and investigate those models in an organized fashion, identify setting in which models can be used effectively, and apply modeling concepts in practical situations. Students also strengthen their computer skills, focusing on how to use the computer to support decision making. The emphasis is on model formulation and interpretation of results, not on mathematical theory. This course is aimed at students with little prior exposure to modeling and quantitative analysis, but it is appropriate for all students who wish to strengthen their quantitative skills. The emphasis is on models that are widely used in diverse industries and functional areas, including finance, operations, and marketing. Also listed as OTD-808.

OTDP-809  Business Plan and Business Development  Credits: 3
Prerequisite(s): OTDP-807 and OTDP-808
Term Offered: Fall Term
Course Type(s): OL
Students will learn how to use screening and feasibility tools to effectively conduct a business analysis to determine the worthiness of a potential new business idea. They will also complete a business plan including an executive summary, industry and market analysis, a marketing strategy and plan, operations plan, product/service development plan and company structure. Lastly, students will identify the financial requirements of a new business and develop pro forma financial statements (e.g. income statements, balance sheets, cash flow, etc.) Also listed as OTD-809.

OTDP-820  International Immersive  Credits: 3
Prerequisite(s): OTDP-802
Term Offered: Fall Term
Course Type(s): OL
Promotes cross-programs collaborations (i.e. Education, Social Work, Nursing, Health and Physical Education, Business, and representation from all the other schools) by affording students a study abroad experience fostering across disciplinary approach to a global issue. An 8-week online course consists of modules approaching the topic of identify from different disciplines - culminating in a 10 day international immersion experience. The course will address the diversity if contemporary public health issue facing Latinos and how these issue are influenced by sociopolitical, historical and economic contexts. Students will travel abroad to Guatemala and immerse themselves in various Guatemalan communities. They will learn through observation dialogues with various member of these communities, and by engaging in a service learning initiative. Students will learn about the Guatemalan experience from the sociopolitical, historical, economic, and cultural contexts. The Guatemala Public Health, Global Seminar experience will serve as the lived experience of many of the constructs covered in the course, including mental health perspectives.