Health Ecology, Ph.D.

COLLEGE OF PUBLIC HEALTH (http://cph.temple.edu)

About the Program

Not currently accepting applications

Health Related Professions Courses

**HRPR 5200. Clin Pharm. 1.5 to 3 Credit Hour.**

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate

**Repeatability:** This course may be repeated for additional credit.

**HRPR 8101. Bioethics and Ethical Decision-Making. 3 Credit Hours.**

This seminar course is designed to facilitate interdisciplinary dialogue and approaches for ethical decision making. Students from many health disciplines can engage in bioethical discourse. The students will increase their understanding of ethics within the context of research and health care; identify and consider moral and professional values and preferences when collecting information and making decisions; and, recognize the importance of collaboration when making bioethical decisions. The student reflects on personal decision-making through an exploration of the results of the Myers-Briggs Type Indicator (MBTI).

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate

**Repeatability:** This course may not be repeated for additional credits.

**HRPR 8102. Cultural Competence in Health Studies. 3 Credit Hours.**

This course emphasizes culture as a defining characteristic of our diverse society and examines a multitude of its implications for culturally sensitive and competent health-care service, policy-making, and system transformation in a transdisciplinary and transcultural context. The course begins with contextualizing key concepts such as cultures, health disparities, cultural competence, cultural sensitivity, multicultural health, cross-cultural concepts of health and illness, and complementary/alternative medicine and spirituality. Communication, education/training, programming, and ethical issues central to promoting cultural competence in the healthcare system are then addressed. In addition, the course gives insights into specific cultural groups, including: Hispanic, African, Asian, Native, and Caucasian American populations, as well as aging populations and individuals with unique sexual orientation. Key challenges and opportunities concerning cultural issues facing the current health fields are also examined.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate

**Repeatability:** This course may not be repeated for additional credits.

**HRPR 8103. Health Across the Lifespan. 3 Credit Hours.**

This course will provide an interdisciplinary life-span oriented overview of the health construct spanning from prenatal influences through to extreme longevity, with an emphasis on its inter-relationships with biological, behavioral, and social ecological influences. Particular emphasis is given to methodological, theoretical, and substantive issues needed for synthesis of an interdisciplinary mastery of development and health. By the end of the course, students will have a thorough knowledge of how to measure health of individuals, communities, and populations; an understanding of both the correlates and sequelae of health and development across the lifespan; and be able to assess the implications of health disparities across the lifespan.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate

**Repeatability:** This course may not be repeated for additional credits.

**HRPR 8104. Systems Theory and Change Theory. 3 Credit Hours.**

The purpose of this course is to provide the theoretical foundation for all subsequent courses and formal scientific inquiry. Students in this course will use systems theory, change theory and other integrative theories and models to explore complex health and life-quality related issues with Ecological theory providing the planning framework. Students will focus on synthesis and integration of key health-related factors at the micro and macro levels that affect health for diverse individuals, families, communities, cultures, environments, societies and health systems using a life-span and life cycle approach. They will apply principles guiding interdisciplinary approaches to complex health issues in a holistic manner.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate

**Repeatability:** This course may not be repeated for additional credits.

**HRPR 8201. Structural Eqn Modeling. 3 Credit Hours.**

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate

**Repeatability:** This course may not be repeated for additional credits.

**HRPR 8202. Multilev Mod Intdis Res. 3 Credit Hours.**

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate

**Repeatability:** This course may not be repeated for additional credits.

**HRPR 8203. Systematic Rev Hlth Ecol. 3 Credit Hours.**

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate

**Repeatability:** This course may not be repeated for additional credits.
HRPR 8985. Teach in Higher Ed: Health. 3 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

HRPR 9994. Preliminary Examination Preparation. 1 Credit Hour.
Preparation for taking the preliminary examinations in Health Studies. To enroll, students must have completed all required coursework for the Ph.D. and obtain the approval of the Ph.D. Program Director. Students must be enrolled to take the preliminary examinations.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

HRPR 9998. Pre-Dissertation Research. 3 Credit Hours.
Preparation of the dissertation proposal. Required for students who have passed the preliminary examinations and who have not yet defended the dissertation proposal.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

HRPR 9999. Doctoral Dissertation Research. 1 to 6 Credit Hour.
Limited to Ph.D. candidates who have completed and defended a dissertation proposal that is filed with the Graduate School by the last day to add a course in the semester. Continuous registration in 9999 fall and spring is required until the dissertation is successfully defended.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Student Attribute restrictions: Must be enrolled in one of the following Student Attributes: Dissertation Writing Student
Repeatability: This course may be repeated for additional credit.

Occupational Therapy Courses

OTHR 5001. Applied Development Across the Life Span. 4 Credit Hours.
This course focuses on individual development from the pre-natal period through older adulthood. Interaction of physical, psychological, cultural and social systems on the individual's adaptation will be explored. Changes in occupational engagement and impact of lifestyle choice, disability and chronic illness over the life span will be examined.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 5002. Occupation in the Promotion of Health. 3 Credit Hours.
This laboratory course examines the centrality of human occupation in promoting, maintaining and remediating health throughout the life span. Community learning experiences will be provided with children and older adults to facilitate students' discovery of the performance areas, performance components and contexts of individuals in the community. Activity analysis will be incorporated to facilitate students' understanding of task, activity and occupation. Understanding of therapeutic use of activities and their developmental appropriateness will be reinforced via hands-on projects and reflective exercises.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 5003. Applied Group Dynamics. 2 Credit Hours.
Teams, social systems, interdepartmental and intradepartmental relationships are part of the health care delivery process. A combination lecture/discussion and laboratory experience will be used to explore concepts and theories of group formation, development, and structure and their application within the context of occupational therapy.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 5004. Professional Concepts I. 2 Credit Hours.
This course focuses on the occupation-centered paradigm of occupational therapy in the context of present and future domains of practice. An overview of the history, philosophy, ethics, and core values of the profession will be presented as orientation to professional identity. Introduction to concepts of theory, models, and frames of reference will be presented, and the impact of culture, learning style, and self-awareness explored.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 5005. Neuroanatomy. 3 Credit Hours.
Anatomy of the nervous system; the brain and spinal cord. Functional aspects of the central nervous system and the cause-effect relationships between lesions and their symptoms.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 5006. Human Physiology. 3 Credit Hours.
Physical principles underlying cellular activity applied to functional description of basic mammalian organ systems. Functional significance, intricate adaptations, and adjustment to internal and external environments with interrelationships between the basic systems in health and disease.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.
OTHR 5007. Human Anatomy. 4 Credit Hours.
A regional study of the gross structure of the human body covering the back, upper and lower limbs, head, neck, thorax, abdomen, and pelvis. Emphasis is on structure, function and basic development of the skeletal, muscular, cardiovascular, respiratory, and peripheral nervous systems. Material is presented and discussed in a classroom setting (lecture) and cadaver dissection and anatomical identification is performed during laboratory.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 5008. Applied Kinesiology. 3 Credit Hours.
The application of gross anatomy, neuroanatomy, and physiology to the study of body movements with emphasis on interrelated kinetics of normal and abnormal motions of the musculo-skeletal system as they influence functional activities.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 5009. Entrepreneurship in Health Professions. 3 Credit Hours.
The course is designed to introduce students in health professions to entrepreneurship. The goal of the course is to demonstrate the links between knowledge, experience and skills and commercial possibilities.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 5011. Clinical Conditions I. 2 Credit Hours.
The study of selected systemic diseases, their medical management, and principles in children and young adults as related to occupational therapy practice.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 5012. Clinical Conditions II. 4 Credit Hours.
Study of selected diseases in the adult and older adult. Areas of focus include the fundamental facts and medical and surgical interventions in developmental, psychiatric, orthopedic, neurological, and metabolic disorders. The impact of the disorder and/or the medical and surgical interventions is also discussed as they relate to the practice of occupational therapy.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
OTHR 5011|May not be taken concurrently.

OTHR 5019. Professional Concept II. 2 Credit Hours.
Through the use of a seminar format, this course will facilitate the development of an understanding of the contexts in which occupational therapy services are delivered, the influence of models and systems on the practice of occupational therapy and an understanding of the ethics and values of the profession of occupational therapy. Aspects of communication from a personal and professional perspective will be explored. The practice environment, the roles of health care professionals and a variety of influences on occupational performance will be examined and discussed. An emphasis will be placed on the impact of long term care issues for consumers in medical, non-medical and community settings.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 5101. Occupational Therapy Theoretical Perspectives on Children. 4 Credit Hours.
This course presents an exploration and study of selected theories and frames of reference as applied to the practice of occupational therapy with children and adolescents. Emphasis is given to theoretical constructs and their application to occupation based practice. This course is given in conjunction with and is closely coordinated with OT 5111: OT Assessment and Intervention with Children.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 5102. Occupational Therapy Theoretical Perspectives on Adults. 4 Credit Hours.
This course will provide a continuation of the exploration and study of selected theories and frames of reference as applied to adults. Emphasis will be given to theoretical constructs as applied through occupation based practice in adults. This course is closely coordinated with OT 5112: Occupational Therapy Assessment and Intervention with Adults.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 5103. Occupational Therapy Theoretical Perspectives on Older Adults. 4 Credit Hours.
This course will provide a continuation of the exploration and study of selected theories and frames of reference as applied to older adults. Emphasis will be given to theoretical constructs as applied through occupation based practice in older adults. This course is closely coordinated with OT 5113: Occupational Therapy Assessment and Intervention with Older Adults.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.
OTHR 5111. Occupational Therapy Assessment and Intervention with Children. 2 Credit Hours.
This course presents an overview of the planning and implementation of occupational therapy for children and adolescents. Students will gain introductory experiences in the practice of integrating activity analysis, the theories of development and human occupation and the process of clinical reasoning with the observation, evaluation, delivery and documentation of occupational therapy services. This course is closely coordinated with OT 5101: Occupational Therapy Theoretical Perspectives on Children.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 5112. Occupational Therapy Assessment and Intervention with Adults. 2 Credit Hours.
This course presents an overview of the planning and implementation of occupational therapy services for adults. This is the second in a series of courses focusing on occupational therapy assessment and intervention. Students will gain experience in the practice of integrating occupational therapy frames of reference, activity analysis, theories of human development and human occupation and the process of clinical reasoning with the observation, evaluation, delivery and documentation of occupational therapy services. This course is closely coordinated with OT 5102: Occupational Therapy Theoretical Perspectives on Adults.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 5113. Occupational Therapy Assessment and Intervention with Older Adults. 2 Credit Hours.
This course presents an overview of the planning and implementation of occupational therapy services for older adults. This is the third in a series of courses focusing on occupational therapy assessment and intervention. Students will gain experience in the practice of integrating occupational therapy frames of reference, activity analysis, theories of human development and human occupation and the process of clinical reasoning with the observation, evaluation, delivery and documentation of occupational therapy services. This course is closely coordinated with OT 5103: Occupational Therapy Theoretical Perspectives on Older Adults.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 5121. Specialty Rehabilitation Skills I (Splinting). 1 Credit Hour.
This course will provide basic knowledge and skills in assessment and intervention techniques as they apply to orthotics. The student will have the opportunity to develop hands on skills in an interactive laboratory with learning based in case study experiences.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 5122. Specialty Rehabilitation Skills II (AT). 1 Credit Hour.
This course will provide basic knowledge and skills in assessment and intervention techniques as they apply to assistive technology, mobility and positioning issues. The student will have the opportunity to develop hands on skills in an interactive laboratory with learning based in case study experiences.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits
Pre-requisites: OTHR 5121|May not be taken concurrently.

OTHR 5151. Research Design and Methodology. 3 Credit Hours.
Introduction to basic components of research in occupational therapy including methodology, elementary statistical analysis and interpretation of data. Introduction to evaluating current research in occupational therapy as well as designing future research.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits
Pre-requisites: OTHR 5008|May not be taken concurrently.

OTHR 5161. Service Management and Marketing. 3 Credit Hours.
The principles of management in the provision of occupational therapy service will be considered in depth, including the principles of organizing, planning, directing, controlling, budgeting and communicating. A variety of systems and models will be examined in relation to the marketing and delivery of occupational therapy services, including medical, community, education and social models.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 5191. Applied Research. 1 Credit Hour.
The purpose of the course is twofold: 1) to refine research consuming skills in a particular area of study, and 2) to develop beginning level research skills through participation in a mentored research team experience. This practicum may include participation in developing a research question, designing research, preparing human subjects applications, data collection and/or data analysis, within a faculty's research specialty. By participating in faculty-student research teams, the importance of occupational therapy research and collaboration will be highlighted.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits
Pre-requisites: OTHR 5121|May not be taken concurrently.
OTHR 5987. Fieldwork Practicum I (Level II Fieldwork). 4 Credit Hours.
This course entails three months of full time supervised clinical experience with the opportunity to treat individuals with a variety of diagnoses across the life span. Students are assigned to approved clinical education centers in accordance with the Standards for an Accredited Educational Program for the Occupational Therapist, of the Accreditation Council for Occupational Therapy Education. All professional courses and Fieldwork Level I must be successfully completed before students are permitted to enter Fieldwork Level II.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

OTHR 5988. Fieldwork Practicum II (Level II Fieldwork). 4 Credit Hours.
This course entails three months full time supervised clinical experience with the opportunity to treat individuals with a variety of diagnoses across the life span. Students are assigned to approved clinical education centers in accordance with the Standards for an Accredited Educational Program for the Occupational Therapist, of the Accreditation Council for Occupational Therapy Education. All professional courses and Fieldwork Level I must be successfully completed before students are permitted to enter Fieldwork Level II.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

Pre-requisites:
OTHR 5987/May not be taken concurrently.

OTHR 8034. Interdisciplinary Seminar: Children Birth through Six. 3 Credit Hours.
This interdisciplinary course prepares therapists to work with children from birth through six years of age. Students will learn the laws, policies and procedures required in service delivery to this population. Experiential opportunities will highlight the development of interdisciplinary teams, including the role of the family, its culture and values, as team members. Potential ethical dilemmas will be explored which can emerge as systems and agencies struggle to work together to provide a seamless system of service delivery. Disciplines include but are not limited to: education, speech pathology, occupational therapy, physical therapy, social work, school psychology and nursing.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 8100. Topics in Occupational Therapy Specialty. 1 to 3 Credit Hour.
Advanced knowledge from academic, administrative, and/or clinical management perspectives in occupational therapy area of specialty.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

OTHR 8101. Advanced Theory and Practice in Occupational Therapy. 3 Credit Hours.
Introductory course in the structure and function of theory and its importance for the advanced practitioner. Particular emphasis is placed on the process of critical structural and functional analysis of theories, specifically those theories currently popular in occupational therapy practice and those applicable to the students’ areas of clinical specialty.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 8121. Environmental Adaptations. 3 Credit Hours.
This course has two modules: 1) Ergonomics: the student will learn the principles of ergonomics from both pre-and post-injury perspectives and will apply these principles in assessment and recommendations for people with and without disabilities. 2) Computer access and learning software will address a range of computer access adaptations and software for the differently-abled client in the home, educational setting, and work environment.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 8122. Studies in Assistive Technology. 3 Credit Hours.
The course has three modules: 1) Introduction to the range and scope of assistive technology for work, school and play. Using a cross disability perspective, students learn about high and low tech devices and solutions for functional challenges across settings. 2) Principles and technologies for postural control, deformity and pressure management as well as seating comfort. Types of switches and switch activation for mobility will be explored. 3) Addresses major public funding sources for financing technology including medical assistance, special education and vocational rehabilitation as well as the process for obtaining and implementing assistive technology.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 8131. Assessment Tools for Pediatric Occupational Therapy Practice. 3 Credit Hours.
Hands-on comparison and analysis of selected assessment tools common in pediatric practice are expanded to goal setting and treatment planning.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 8132. Occupational Therapy Intervention in Pediatrics. 3 Credit Hours.
Concepts in occupational therapy intervention in pediatrics will be explored and related to treatment planning and intervention procedures in the varying contexts in which pediatric occupational therapists are employed.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.
OTHR 8133. Family Centered Care. 3 Credit Hours.
Students will have the opportunity to explore family systems, parent/caregiver professional partnerships, family centered services, family centered teams, and interagency collaboration. They will explore models of self help, empowerment and service delivery as well as techniques for eliciting and developing family service plans and interagency networking.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 8134. Developmental Issues in the Early Years: An Occupational Therapy Perspective. 3 Credit Hours.
Current social, cultural, legal and economic trends affecting developmental dysfunction and occupational therapy intervention in physical, sensory, perceptual, cognitive and psychosocial areas, from neonatal to adolescence will be explored.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 8141. Concepts of Gerontological Rehabilitation I. 3 Credit Hours.
An introduction to the fields of geriatrics and gerontology with special emphasis given to the review of theoretical perspectives and research in gerontological rehabilitation, as well as biological, social, medical, psychological/psychiatric, and environmental factors that influence the aging process.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 8153. Scientific Analysis. 3 Credit Hours.
Research in health care practice and education. Includes critical review of manuscripts, research design, and review of statistical procedures. Each student will develop a research proposal.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 8161. Supervisory Processes. 3 Credit Hours.
Supervisory techniques and processes as they relate to health care personnel management; the recruitment, selection, staffing, and direction of personnel, focusing on facilitative techniques to foster continued professional growth, development, participation, and retention.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 8162. Advanced Management in Health Related Service Delivery. 3 Credit Hours.
An examination of management, administrative, economic, legal, and social issues as they impact upon the provision of occupational therapy services and other health related professions. This course illuminates the unique facet health care occupies within the free market and how occupational therapy and other health related services fit within that definition. Particular emphasis will be placed upon economics and the application of these concepts in optimizing service delivery.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 8172. Neurobiological Foundations of Sensory Integration. 3 Credit Hours.
The development of the theory of sensory integration will be presented. The neurobiological foundations of the theory will be examined in light of current research. The application of this information to the therapeutic intervention will be addressed and demonstrated through videotapes and practice sessions.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 8173. Sensory Integration and Praxis Test (SIPT) Administration and Interpretation. 3 Credit Hours.
The standardization methods, reliability and validity of the 17 tests of the SIPT battery will be analyzed. The mechanics of each test will be presented and will be practiced in a supervised setting. Students will be individually observed in test administration. The testing of sensory processing as one aspect of sensory integration will be included. The interpretation of findings, report writing and establishment of treatment goals will be practiced. Gathering evidence of sensory integration and sensory processing problems based on a variety of measurement instruments will also be addressed. Students are eligible for Sensory Integration International certification on completion of OT 8172 and OT 8173 and successful completion of the SIPT certification examination.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 8174. Sensory Integration Practice Applications. 3 Credit Hours.
The application of sensory integration and sensory processing principles to occupational therapy intervention will be presented. Techniques used in various settings and with various conditions will be addressed and demonstrated through videotapes, clinic visits, practice sessions and case presentations.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.
OTHR 8176. Prac Rehab Work & Indust. 3 Credit Hours.
This course provides an interdisciplinary overview as well as in-depth exploration of the utilization of rehabilitation service applications with work and industrial populations. The emphasis is on worker rehabilitation post-injury and workplace injury prevention through the implementation of injury prevention programs. The course will have two content modules 1) Workplace programs: the student will learn how to interface with various components of workplace systems, evaluate job demands, create and implement ergonomic and other workplace wellness programs. 2) Worker Interventions: the student will learn the principles of how to evaluate and provide interventions that can determine work ability, rehabilitation needs, and ascertain job match of worker ability and job requirements.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 8509. Leadership in the Health Professions: The Art and Science of Influence. 3 Credit Hours.
Health professionals, both clinical and academic, have the responsibility to exercise leadership in the advocacy for safe, effective and quality health services. The accountability for this leadership is shared by all health professionals at all organizational levels. The competitive health care market presents professionals with a variety of leadership challenges. Artful and evidence-based leadership is a critical element for all those who aspire to be thought leaders/entrepreneurs in health professions education, health related research, health policy and practices and the delivery of health care. This on-line course is designed to introduce students to the process of leadership: a process by which influence is exercised. A variety of active learning techniques and case study analyses will be used to explore theoretical concepts of leadership and the practical application of these concepts into daily life. An important outcome of the course will be the development of a leadership portfolio that will contain items such as case studies, class presentations, and a personal leadership plan.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 8511. Clinical Education and Fieldwork Supervision. 3 Credit Hours.
This course will allow occupational therapists who have been, or who would like to be involved with clinical education, to acquire foundational knowledge within the triad of domains comprising clinical fieldwork education: Teaching and learning, the mentoring/supervisory relationship and administration. Students will evaluate selected learning theories, learning style assessments, be introduced to models of supervision, and have an opportunity to apply them as part of a final course project. An administrative component will provide opportunities to design site-specific goals and to explore available resources for establishing and improving clinicians’ respective fieldwork programs.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 8512. Studies in Outcome Measures and Analysis. 3 Credit Hours.
This course will explore outcome measurement theories and practices, and the development of competence in the application of these concepts to evidence-based clinical practice and program management. Analysis of outcome measures is the primary focus in the second half of the course including applied statistical procedures. Outcome measurement, analysis, and program evaluation is core to the practice of Occupational Therapy. Evaluation of the results of clinical interventions and overall client reaction has long been held as a core value of Occupational Therapy practice. Current international health care trends reflect the concepts of participation in meaningful life experiences within the environmental and socio-cultural context.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 8513. Evidence-Based Practice and Clinical Research. 3 Credit Hours.
Students will explore the most appropriate research designs and methodologies for clinical research and apply these in their clinical practice area. They will implement the four main steps of evidence-based practice including developing a clear clinical question related to client problems, completing a search of the literature, critiquing the evidence, and applying findings to clinical practice. The implications for evidence-based practice in the profession of Occupational Therapy will be explored.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

OTHR 8514. Occupational Based Theories and Participation. 3 Credit Hours.
The seminar will trace the historical foundations of occupation as the central paradigm of the profession. It will explore literature across professions which explicate the underlying principles including foundations laid by the Occupational Behavior paradigm and the Model of Human Occupation, the Models of Occupational Adaptation, Ecology of Human Performance, Person - Environment - Occupation Model in their usefulness in addressing the issues in the disabled and well populations. Principles of Occupational Science will be explored and applied as a foundation for these approaches. The concept of participation is discussed as a key component of health according to the International Classification of Functioning (ICF) (World Health Organization) and a major outcome of the Occupational Therapy Practice Framework. It includes the importance, performance and satisfaction with the involvement in life roles. The student will examine environmental factors that facilitate physical access, improve psychological awareness and empowerment, and utilize advocacy for positive social change across the life span.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.
OTHR 8901. Capstone Project. 3 Credit Hours.
Each student will complete a capstone project while enrolled in the course. The capstone project will reflect the goals of the program as well as the goals of the student as structured by the student's learning objectives as directed and informed by the development of a professional portfolio. The advisor will recommend resources and provide guidance within a class forum. The project must be founded in evidence-based practice and either be supported by evidence in peer-reviewed literature or provide outcomes identifying the effectiveness of the project. Students start exploring the literature for their projects in the Evidence-based Practice and Clinical Research course and explore possible outcome measures for the project if appropriate in the Outcome Measures and Program Evaluation course. The Field Study may provide opportunities for implementation of their project or clinical experiences in areas related to the project. The results of the capstone project will be disseminated to the appropriate audiences through presentations, demonstrations, publications and/or incorporation into a program.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
(OTHR 8512|May not be taken concurrently
AND OTHR 8513|May not be taken concurrently
AND OTHR 8514|May not be taken concurrently
AND OTHR 9089|May not be taken concurrently).

OTHR 9082. Independent Study. 1 to 6 Credit Hours.
Focus is on furthering the student's knowledge and skills in a specialized area of individualized study.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

OTHR 9087. Clinical Specialty Practicum. 1 to 3 Credit Hour.
Opportunity for students to demonstrate their ability to translate theoretical knowledge into a selected area of clinical specialty practice. Practicum experience must fulfill the students' pre-determined goals for increased expertise.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

OTHR 9089. Field Study and Professional Portfolios. 3 Credit Hours.
A mentored field study experience. The Field Study will be directed and informed by the student's leadership objectives and will be reflected in a portfolio required for degree completion. Master's clinicians, researchers, or educators will be identified by the student and the faculty advisor for the field study. The mentor does not have to be an occupational therapist although must specialize in an area related to the profession. The student along with the mentor or mentors and the faculty advisor will identify specific goals for the field study related to the student's specialty practice area. The field study may focus on expanding specialty clinical skills, collecting data for the capstone project, or expanding skills related to clinical education. As part of this course, students participate in a professional portfolio seminar with a Temple faculty member where they learn the uses, types, and content of professional portfolios in order to best develop their own portfolio reflecting learning experiences within the doctoral program. Students learn to evaluate and organize the evidence of learning related to their experiences with the field study, course work, and the capstone project. The end product of the course is the completion of at least 4 weeks or 160 hours of mentored experience, along with an extensive portfolio and e-portfolio reflecting a professional development plan.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

OTHR 9990. Action Research Seminar. 3 Credit Hours.
Scholarship, theory building, application of frames of reference to clinical practice, and validation of the activity approach to encourage the integration of theoretical knowledge and practice. Students will identify an individual problem, and develop strategies for its solutions through the development of a thesis proposal.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

OTHR 9996. Master’s Thesis. 1 to 3 Credit Hour.
For students in the process of research and writing of their thesis, in order to fulfill requirements for graduation.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

Public Health Courses

PBHL 5001. Fundamentals of Public Health. 3 Credit Hours.
This course encompasses historical and sociocultural approaches to understanding public health and bioethics. Emphasis is on understanding public health systems from the dawn of history to the 21st century and the evolution of bioethical issues including the application of bioethical principles, regulations and strategies in research and health practice. This seminar emphasizes the integration of conceptual and experiential learning. This is reflected in the course design and in teaching and learning processes.

Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Public Health

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.
PBHL 5002. Biostatistics. 3 Credit Hours.
Introduction to applied biostatistics as used in research in public health. Statistical methods used for descriptive and analytic research, inferential statistics, surveillance systems and statistical software used in public health.
Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Public Health
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5003. Spatial Analysis in Public Health. 3 Credit Hours.
This course will create a methodological framework for approaching public health issues within the context of spatial investigations of health and disease, both internally via perceptual mapping, and externally via geographic information systems (GIS). This integrative discipline provides the opportunity for students to draw upon the concepts and techniques of sound public health and add a spatial perspective to their analysis.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5004. Understanding Stress and Change. 3 Credit Hours.
This course focuses on the impact of stress on physical and emotional health and quality of life. It focuses on the causes, types, and physiology of stress and stress reduction methods, including relaxation, biofeedback, fear control, cognitive restructuring, and social psychological interventions in community settings.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5005. Intl Hlth Studies Abroad. 6 Credit Hours.
Students will be able to: Articulate a historical and cultural understanding of Costa Rican approach to health and medical care. Identify the major health concerns of the Costa Rican population in rural and urban settings and the major strides taken to improve health. Conduct limited fieldwork with rural communities in teams of 3 to 4 persons or conduct community health field research among the graduate students. Write professional paper and presentation on one of the health issues in Costa Rica based on your experience. While previous Spanish language proficiency is not required, some Spanish language ability is essential for students to gain the maximum understanding during the program. Therefore, students during the first two weeks of the program take intensive Spanish language training in Costa Rica at the Institute for Central American Development Studies (ICADS). The third week we travel to other regions within Costa Rica to examine different health conditions depending on that year’s topics. The fourth and fifth weeks students live and work in rural communities and help to facilitate health education workshops on different activities such as: diabetes, nutrition, HIV/AIDS prevention education, women’s health, child health care issues, first aid education, fitness and exercise, backyard gardening, etc.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5006. Political and Economic Aspects of Health. 3 Credit Hours.
The course provides an introduction to the structure and delivery of healthcare in the United States, as well as an introduction to health policymaking. In addition to required reading materials, students will be asked to examine current health policies at the local, state and/or national level.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5007. Principles of Emergency Management. 3 Credit Hours.
This course is designed to introduce students to the concepts and models of public health preparedness and response for all hazards emergency management. It will enable health care and allied health professionals, public health professionals, and emergency responders to work together to plan and respond effectively to both natural and man made disasters. The course will introduce students to the identified core competencies of emergency health preparedness for public health professionals which include: functional roles, communication, resource identification, problem solving, and evaluation. The issues of mental health and special populations will be introduced in an emergency management context. Students will utilize problem based learning by analyzing actual disaster events and applying the theories, principles, and practice of preparedness, response, mitigation, and recovery.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5008. Seminar in International Health. 3 Credit Hours.
This course is designed to introduce students to the concepts and models of public health preparedness and response for all hazards emergency management. It will enable health care and allied health professionals, public health professionals, and emergency responders to work together to plan and respond effectively to both natural and man made disasters. The course will introduce students to the identified core competencies of emergency health preparedness for public health professionals which include: functional roles, communication, resource identification, problem solving, and evaluation. The issues of mental health and special populations will be introduced in an emergency management context. Students will utilize problem based learning by analyzing actual disaster events and applying the theories, principles, and practice of preparedness, response, mitigation, and recovery.
Field of Study Restrictions: Must be enrolled in one of the following Fields of study; Public Health
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.
PBHL 5009. Risk Communication & PH. 3 Credit Hours.
The goal of this course is to demonstrate how health communication professionals can create and implement risk communication plans related to either possible or actual public health hazards (anything that can cause morbidity or mortality). This course focuses on risk communication within the context of terrorism, infectious disease outbreaks and health problems that occur because of natural disasters. It will include core principles of risk communication, examine special challenges of risk communication with diverse audiences and prepare students to create a crisis and emergency risk communication plan.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5013. Global Environmental Health. 3 Credit Hours.
This is an intermediate-level graduate course for those interested in environmental health and global health. Other graduate students may attend the course with the instructor's permission, provided they meet the course prerequisites. This course does not meet the core requirement for environmental health in the MPH program.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
PBHL 5103|Minimum Grade of B-|May not be taken concurrently.

PBHL 5014. Leadership and Management in Public Health Organizations. 3 Credit Hours.
This course covers leadership and management in public health practice. The course will review leadership styles, moving through the "leadership pipeline" to help students understand the basic underpinnings of leadership. Within that context, the course will explore the essentials of applying strong leadership practices in public health organizations.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5015. Public Health Nutrition. 3 Credit Hours.
This course explores nutrition as a science and platform for public health promotion and disease prevention. The fundamental contribution of nutrition to public health as well as the potential of food and nutrition policy, programs, and interventions to reduce risk and promote health will be examined.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5101. Epidemiology. 3 Credit Hours.
Introduction to descriptive and analytical epidemiology. Concepts and methods used in public health with emphasis on the calculation and interpretation of indices of community health, morbidity and mortality rates, age-adjustment, risk ratios and sensitivity and specificity and predictive value of screening tests. Overview of epidemiological research designs, surveillance systems, and evidence-based practice guidelines. Note: Introductory course for students in public health and related fields. Master's and doctoral students who have strong quantitative skills and plan to conduct epidemiological research should enroll in PH 5201.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5102. Theoretical Foundations of Health Behavior. 3 Credit Hours.
Theories of decision-making related to health behavior. Emphasis on the dynamic interaction of attitudes, values, situational factors and other factors that influence health promoting and health damaging behavior.

Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Public Health
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5103. Environmental Health. 3 Credit Hours.
This course explores the effects of interactions between the environment and human health, and the ways that adverse effects may be mitigated. Environmental health hazards, including chemical, biological, and physical pollutants in air, water, soil, and food are addressed, as are risk analysis and risk communication as applied to environmental health. Examines how problems and solutions are identified globally, nationally, and locally. The use of biological and chemical agents as weapons is also explored. This course is available online.

Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Public Health
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5104. Models for Teaching Health and Patient Education. 3 Credit Hours.
Description and application of teaching models used in health and patient education in communities, health care systems, and schools. Emphasis on creating learning environments, communication skills, tailoring for diverse populations, teaching techniques.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.
PBHL 5107. Complex Emerg & Forced Mig. 3 Credit Hours.
This course will use case studies and research literature to examine the multifaceted causes of complex emergencies and their subsequent impacts on the health of the population, including populations that stay in place, that are internally displaced (IPD) and population movement that crosses international borders (refugees). The policies and practices of the humanitarian response among both governments and non governmental organizations (NGO's) and their impact on population health will be explored. A framework for three issues that effect population health in complex emergencies will be provided and their consequences and possible interventions iterated. These issues are mental health, gender based violence, and nutrition. Assessment, program implementation, and evaluation will be looked at in the context of the particular barriers and issues found in complex emergency situations.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5111. Special Pop Comm Outreac. 3 Credit Hours.
This course is designed to introduce students to the concepts and models of strategic community outreach as it pertains to the special population communities, within the context of emergency management planning, response, and recovery. It will assist health care and allied health professionals, public health professionals, and emergency responders to understand how accessible information and technology is part of the community outreach strategy. Students will utilize problem based learning by analyzing actual and scenario based disaster events and applying the theories, principals, and practice of strategic community outreach pertaining to emergency response and recovery. In addition, students will learn about the issues faced by special population communities and how to address these special needs in all hazard response and recovery
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5112. Public Health Program Evaluation. 3 Credit Hours.
Research methods and techniques used to evaluate public health programs. Students develop an evaluation design, including defined evaluation questions, study design, specific measures and methods and human subjects protocols.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5201. Epidemiological Research Methods I. 3 Credit Hours.
This course provides an introduction to the fundamentals of conducting epidemiologic research and protocol development. It covers definitions of epidemiology; measures of disease frequency and risk assessment; measures of effect and association; epidemiologic study designs, including randomized clinical trials, cohort, case-control studies, and cross-sectional surveys; assessment of screening programs; an overview of the role of bias and confounding in epidemiologic study results; and analytic techniques, including modeling using multiple variables, survival analysis, and issues related to quality assurance. Note: This course is the introductory epidemiology course for students in the M.S. in Epidemiology or related Public Health degree programs that require advanced quantitative methods. May be taken in place of PH 5101 for students in the M.P.H., M.S.EH and Ph.D. programs.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5202. Man-Made Disasters: Radiological, Chemical & Biological Terrorism. 3 Credit Hours.
This course is designed to introduce students to the concepts and models of public health preparedness, mitigation, and evaluation in the context of man-made disasters, including radiological, chemical and biological incidents. The course will address identified core competencies of emergency preparedness for public health professionals that include: disaster management, risk assessment, risk communication, governmental resources, functional roles, surveillance, and preparedness evaluation. Man-made disasters will be looked at in a historical, environmental and psychological context in order to elucidate the role of public health in man-made disaster preparedness and evaluation. In addition the role of cultural competency and the needs of special populations will be addressed. Public perception of risk and media views of man-made disasters will be explored.
Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Public Health
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5204. Mental Health Epidemiology. 3 Credit Hours.
Epidemiology of psychiatric disturbances, including alcohol and other drug dependencies, psychosocial aspects of health and illness. Emphasis on epidemiologic methods and theories in psychosocial and mental health research.
Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Public Health
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5301. Industrial Hygiene. 3 Credit Hours.
Anticipation, recognition, evaluation, and control of occupational and environmental health hazards. Topics include recognition of hazards from chemical, physical, and biological agents; analytical and survey methods of hazard evaluation; and engineering solutions, administrative actions, and personal protective equipment for hazard control. This course is available online.
Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Public Health
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.
PBHL 5302. Industrial Safety. 3 Credit Hours.
In-depth presentation of the safety hazards that can be found in a work environment, and methods for their control. Students identify different classes of safety hazards, and design and present solutions for them.
Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Public Health
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5305. Environmental Toxicology. 3 Credit Hours.
A review of the absorption, distribution, metabolism and excretion of environmental toxicants. Methods used to measure acute and chronic toxicity, including carcinogenesis, are explored.
Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Public Health
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5306. Analytical Instrumentation. 3 Credit Hours.
Sampling and analysis of chemical and physical agents using laboratory-based methods and real-time monitoring. Sample collection and proper handling. Analytical applications of absorption spectroscopy in the ultraviolet, visible and infrared; atomic absorption; emission spectroscopy; mass spectrometry; separation methods, including liquid chromatography.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5307. Industrial Ventilation. 3 Credit Hours.
The use of ventilation to maintain suitable environmental conditions in work areas. Topics include dilution ventilation; comfort ventilation; local exhaust ventilation system design, including fan, duct, and hood selection; and ventilation system testing. This course is available online.
Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Public Health
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5308. Medical Aspects of Occupational Health. 3 Credit Hours.
The physiology and the relationship to occupational health of the following: allergies; cardiovascular system; ear, nose, and throat; eye; hematology; lung; neurology; neuromuscular-skeletal system; occupational hepatitis; psychiatry; and skin.
Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Public Health
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5309. Ergonomics: Human Factors in Occupational Health. 3 Credit Hours.
This course covers both the observational, programmatic elements and the technical tools of ergonomics, including a number of computer-based applications for assessing specific situations. Ergonomic concepts and solutions are discussed covering low back pain, manual handling tasks, cumulative trauma disorders, repetitive tasks, human fatigue, job design, anthropometry, workplace design, human error, equipment design, vibration, and illumination. This course is available online.
Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Public Health
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5401. Curriculum Construction in Health Education. 3 Credit Hours.
In-depth examination of constructing, delivering and evaluating curricula. Provides opportunity to develop curricular materials for teaching in school situations.
Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Public Health
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 5500. Seminar in Current Issues in Public Health. 3 Credit Hours.
Seminar topics rotate to address current issues in public health research, policy and practice.
Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Public Health
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.
PBHL 8001. Research Design in Public Health. 1 to 3 Credit Hour.
This course examines how to develop and test models, formulate research problem statements and hypotheses, and implement and evaluate research designs and methods of data collection in public health research. It concentrates on fundamental concepts in research design and measurement that help prepare the student to plan and implement theoretically informed and methodologically sound scientific studies in public health and to critically evaluate and discuss public health research. The course emphasizes ethical and practical methods of studying and evaluating causal relations (efficacy and internal validity); determining generalizability of observations (effectiveness, external and ecological validity); and accurate and reliable measuring and conceptualizing of variables (construct validity). In addition, it covers systematic literature searches and randomized controlled trials, which are both increasingly important methods for conducting research in public health.

Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Public Health
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 8002. Research Seminar in Health Studies. 3 Credit Hours.
Research seminar on linkages between theory and research in social and behavioral health studies. Required for Ph.D. students prior to taking the preliminary examinations.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 8003. Political-Economic Aspects of Public Health. 3 Credit Hours.
Survey of the political and economic aspects of public health systems, practice, research.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits

PBHL 8004. Understanding Stress & Change. 3 Credit Hours.
You will become aware of situations, people, and words that trigger alarm reactions. The profile that you will complete for this course will help you understand the causes of your stress, how your body reacts to excessive stress, and symptoms that exist because of your stress levels. You will become aware of areas that affect your control of life situations and how they affect your overall energy efficiency. You will become aware of how you manage your time and social situations. You will learn about the influence of exercise, sleep, nutrition and relaxation training on your health status and quality of life. You will become aware of your level of job or occupational stress and variables that affect your job-related stressors. You will become aware of how your thoughts and perceptions affect your bodies' response to the stressors you face each day. You will become more competent in managing all aspects of your life as it relates to stress reactivity. You will become more confident; have more energy, greater control and fewer symptoms following the implementation of the many ideas, concepts and recommendations that will be offered. You will learn to put your energy into areas that are in your control. You will learn to be able to let go of situations that are now "history" and in the past. You will be able to have a more balanced and logical view of stress and its relationship to your health status and quality of your life.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 8005. Theoretical Health Policy Making. 3 Credit Hours.
The purpose of this course is to introduce students to the primary theoretical frameworks for the development of policy, from agenda setting, through decision making and implementation. In addition to reviewing the theoretical foundations of policymaking, he course will apply the theories to current health policy issues.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 8006. Addictions and Dependencies. 3 Credit Hours.
Social, psychological, cultural, clinical, and biological factors associated with addictions and dependencies, including the use of psychoactive drugs and lifestyle behaviors. Review of prevention and treatment approaches based on the causes and correlates of addictions and dependencies.

Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Public Health

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 8007. Seminar in Maternal and Child Health. 3 Credit Hours.
Seminar on social, economic, and political issues in maternal and child health policies from the national to agency levels. Students undertake an analysis of a MCH issue using a policy analysis framework developed throughout the seminar. Includes definitions of MCH, the organization and funding of services, literacy and cultural issues and the evidence base for policies and programs.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.
PBHL 8008. Health Economics. 3 Credit Hours.
This class will promote the understanding of core health economics theory, using research literature and case studies to examine how economic theory has shaped the development and understanding of the healthcare systems and policies in the U.S. A background in economic theory will help students to understand and interpret research based on those theories. Health Economics is intended to promote an understanding of how these theories fit into the formation and changes in our healthcare structure. It will also offer an economic perspective on health behavior, such as how discounting relates to risk behavior and how risk preference relates to insurance purchase.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 8009. Health Psychology. 3 Credit Hours.
Through class lecture, readings, and discussions, students will learn how characteristics of persons (e.g., personality, behavior, coping, biological reactivity) and their environments (e.g., stress, social support) influence health outcomes at the individual and population level. In addition, the course examines the potential of health psychology to explain population-level health problems and to ameliorate public health problems through behavioral and community-based interventions.

Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Public Health
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 8011. Social Determinants of Health. 3 Credit Hours.
The purpose of this course is to provide an introduction for graduate students to the key social factors that are thought to influence health. These social factors include constructs such as gender, race, socioeconomic status, and social support. Understanding these social factors is important for public health research and practice. These factors can be considered “fundamental causes” of health outcomes insofar as they may cause or modify other factors that are known to influence health, such as individual behaviors or genetics. The course will focus on the conceptual and theoretical basis of these social factors, how these social factors are measured in epidemiologic research, and the mechanisms by which these social factors are thought to affect health. Students will have the opportunity to improve their skills in critically evaluating empirical data about the association between these social factors and health.

Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Public Health
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
PBHL 5101|May not be taken concurrently
OR PBHL 5201|May not be taken concurrently.

PBHL 8012. Multivariate Biostatics. 3 Credit Hours.
The objective of the course is to provide basic theory and application of regression models, analysis of variance, nonparametric statistics, and survival analysis applied to the analysis of population-based data. The emphasis will be on generating and interpreting results and health related applications rather than statistical theory. The course is designed for graduate students in public health who are already familiar with basic statistical concepts, including descriptive statistics, the components of statistical inference (p-values, hypothesis tests, confidence intervals, etc.), as well as concepts of confounding and effect modification.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
PBHL 5002|May not be taken concurrently.

PBHL 8013. Research Methods in Health Policy. 3 Credit Hours.
The purpose of this course is to introduce and engage students in research methods used in health policy research, including both the development of policies and the evaluation of existing policies. The course will cover both qualitative methods such as policy analysis, interviewing, focus groups and content analysis, as well as quantitative methods such as legal mapping studies, secondary data analysis, and some economic evaluations. The course will explain and engage these methodologies but students are not expected to carry out statistical analysis. Lastly, the course will require students to think about the results generated in such research and effective ways in which to communicate such findings to the appropriate audience. The course is intended for students who will be working on policy research or social science research that may include a policy component. Learning objectives will be met through didactic lecture, a formal policy analysis paper, individual homework assignments and a final exam.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

PBHL 8014. Comparative Health Policy. 3 Credit Hours.
Approaches to public health policy are informed and influenced by evidence and experience from across the nation and around the globe. Students will be challenged to think about the social, cultural, political and economic challenges of engaging public health policy to advance population health in an international context.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
PBHL 5006|Minimum Grade of B-|May not be taken concurrently.
PBHL 8015. Public Health Policy and Legal Issues. 3 Credit Hours.
This course will introduce public health students to the basic legal principles underlying public health policy and the mechanisms to achieve policy change. The law is a powerful tool to support public health but government must act within the confines of the Constitution and balance competing rights of individuals and the broader community. The course will explore these relationships in historical and present contexts and examine the differences among federal, state and local governments' authority to enact public health policy. Students will be able to identify the legal issues that arise when government attempts to regulate risky behavior by individuals or the conduct of companies that produce and market products that create such risks (e.g., tobacco, firearms, alcohol). The course will evaluate why the law is not uniform depending on the product government seeks to regulate (e.g., food v. vaccines) and how litigation can effectively change this legal landscape. Any student interested in policy should be familiar with basic legal rules and current debates in regulation and control; this course will provide such insight and equip students to work in any type of policy or advocacy setting.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate

Repeatability: This course may not be repeated for additional credits

Pre-requisites:
PBLH 5006|Minimum Grade of B-|May not be taken concurrently
OR PBHL 8003|Minimum Grade of B-|May not be taken concurrently.

PBHL 8016. Human Health Risk Analysis. 3 Credit Hours.
This course is an introduction to the use of stochastic modeling to identify, assess and manage environmental health hazards, risk assessment and analysis through the lens of public health. Students will develop an understanding of the underlying sciences and mathematics that fall within exposure science and use Markov chain method to build exposure models.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate

Repeatability: This course may not be repeated for additional credits

Pre-requisites:
PBLH 5002|Minimum Grade of B|May be taken concurrently.

PBHL 8018. Obesity: From Genes to Junk Food. 3 Credit Hours.
The course will broadly explore the etiology, treatment, and prevention of obesity from a multi-level systems perspective. Genetic, epigenetic, physiological, and psycho-social influences will be considered at the level of the individual. These influences will also be considered within family, school, and work-site contexts. Macro-level influences include government policies and programs, media, food industry influences, and community resources. Critical thinking skills and scholarly exchange will be emphasized through classroom discussion and weekly presentations/critiques of emerging science in each topic area.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate

Repeatability: This course may not be repeated for additional credits

Pre-requisites:
PBLH 5101|May not be taken concurrently
OR PBHL 5201|May not be taken concurrently.

PBHL 8105. Health Communication. 3 Credit Hours.
Levels of communication processes and effects in 1) intrapersonal health communication related to personality, attitudes, cognitive style, and quality of life; 2) interpersonal communication in the patient-caregiver relationships including dynamics of stress, conflict, and social support; 3) organizational communication in health-care settings; 4) mass communication processes including media campaigns to promote good health and disease prevention; and 5) risk communication across settings and strategies.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate

Repeatability: This course may not be repeated for additional credits

Pre-requisites:
PBLH 5101|May be taken concurrently
OR PBHL 5201|May be taken concurrently.

PBHL 8111. Public Health Program Planning. 3 Credit Hours.
Program planning in public health practice. Analysis of national health objectives and their applications at the state and community levels. Emphasis on program planning as a change strategy to alter knowledge, attitudes, and health behavior to achieve positive health outcomes.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate

Repeatability: This course may not be repeated for additional credits

Pre-requisites:
(PBHL 5101)|May be taken concurrently
OR PBHL 5201|May be taken concurrently
AND (PBHL 5002)|May be taken concurrently
AND (PBHL 5102)|May be taken concurrently.

PBHL 8201. Structure Equation Model. 3 Credit Hours.
Extremely rapid pace of change in statistics and methodology in the field of developmental processes and family systems require that graduate students (and newly minted PhDs in academic and applied settings) be well versed in current data analytic techniques and able to keep abreast of emergent techniques by being aware of contemporary methodological literature. This course will illustrate the uses of structural equation models for cross-sectional, longitudinal and family data analysis. The course is organized to take participants through each of the cumulative steps in the analysis: deciding which type of model is appropriate, setting up the data file and coding variables, interpreting and displaying empirical findings, and presenting results in both verbal and written form. Class time will be devoted primarily to lectures, examples, group discussions and hands-on application of course material.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate

Repeatability: This course may not be repeated for additional credits.
PBHL 8202. Epidemiological Research Methods II. 3 Credit Hours.
The content of this course illustrates statistical concepts, methods, and strategies used in epidemiologic studies, beyond the principles discussed in PH5201 (Epidemiologic Research Methods 1). Topics include a review of basic study designs, analysis of prospective and retrospective data, assessment of bias, confounding, effect modification, interaction, statistical methods of stratification and adjustment, sample size/power calculations, importance of quality control and data monitoring in randomized clinical trials, critical determination of causality, and the comprehensive analyses, reporting and presentation of epidemiologic results.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits
Pre-requisites: PBHL 5201|May not be taken concurrently.

PBHL 8203. Pub Hlth Data Reporting. 3 Credit Hours.
Systematic reviews are essential tools for health care workers, researchers, consumers, and policy makers who need to keep abreast of the accumulation of knowledge within their field. Systematic reviews provide more objective evaluation of the evidence than has been possible with traditional narrative reviews, and so can help resolve uncertainty and point toward promising future directions in research and practice. When appropriate, meta-analyses can help increase the precision of estimates regarding treatment effects and way to improve treatments. For example, identification of subgroups of individuals most (or least) likely to benefit from treatment can generate new questions to be addressed.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits
Pre-requisites: PBHL 5101|May not be taken concurrently
OR PBHL 5201|May not be taken concurrently.

PBHL 8204. Multilev Mod in Int Res. 3 Credit Hours.
Interdisciplinary research nearly always involves data with a nested, hierarchical, or multilevel structure. Such data violate the standard statistical assumption of independence of observations. As well, the most important interdisciplinary research questions often involve understanding effects of one level of this structure on characteristics of another level of structure. Within the intervention contexts, individuals often serve as their own context as events unfold over chronological time. This course provides a broad and comprehensive introduction to analysis of multilevel data with an emphasis on questions which bridge disciplines. Participants should be familiar with the general linear model (analysis of variance, regression) prior to enrolling in this course, but no previous familiarity with mixed models (other than repeated measures ANOVA) is assumed.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits
Pre-requisites: PBHL 5102|May not be taken concurrently
OR PBHL 5201|May not be taken concurrently.

PBHL 8205. Chronic Disease Epidemiology. 3 Credit Hours.
This intermediate course will cover selected topics in chronic disease epidemiology through critical examination of the current literature. Students will have the opportunity to study methodological issues, strategies for prevention, and contemporary issues in research. Coronary heart disease, cancer, diabetes, musculoskeletal disorders, chronic lung diseases and others will be addressed.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits
Pre-requisites: PBHL 5102|May not be taken concurrently
OR PBHL 5201|May not be taken concurrently.

PBHL 8206. Infectious Disease Epidemiology. 3 Credit Hours.
This Infectious Disease Epidemiology course provides basis for understanding infectious diseases, disease transmission, risk factors, outbreak investigation and study designs, surveillance methods, current infection control strategies and mechanisms. The purpose of this course is to expose students to the principles and practice of infectious disease epidemiology and how communicable diseases and their control affect public health locally, nationally and internationally.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits
Pre-requisites: PBHL 5102|May not be taken concurrently
OR PBHL 5201|May not be taken concurrently.

PBHL 8207. Occupational and Environmental Epidemiology. 3 Credit Hours.
This intermediate course will cover selected topics in occupational and environmental epidemiology through a focus on specific health outcomes, such as non-malignant respiratory diseases, cancer, and musculoskeletal disorders, within the context of particular study designs or exposures. Students will have the opportunity to critically examine the current literature, and to study contemporary issues in research. Exposure assessment, biomarkers and emerging diseases within the context of the workplace and the environment will be addressed.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits
Pre-requisites: PBHL 5102|May not be taken concurrently
OR PBHL 5201|May not be taken concurrently.
PBHL 8208. Data Management and Analysis. 3 Credit Hours.
The content of this course will illustrate practical concepts, methods, and strategies used in the development, management and analysis of large data sets through in-class and homework exercises, quizzes, and a final project. Each class session will be a mixture of a lecture, demonstration and hands-on SAS programming exercises.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate

**Repeatability:** This course may not be repeated for additional credits

**Pre-requisites:**
PBHL 5201|May not be taken concurrently
OR (PBHL 5002|May be taken concurrently
AND PBHL 5101|May be taken concurrently).

PBHL 8209. Epidemiology of HIV/AIDS. 3 Credit Hours.
Epidemiology of HIV/AIDS. Application of epidemiological principles and concepts in infectious disease epidemiology with emphasis on surveillance, research, prevention, and control.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate

**Repeatability:** This course may not be repeated for additional credits

**Pre-requisites:**
PBHL 5101|May not be taken concurrently
OR PBHL 5201|May not be taken concurrently.

PBHL 8306. Public Health Advocacy. 3 Credit Hours.
The purpose of this course is to prepare future public health practitioners with substantive knowledge on how policy is crafted, how to effectively integrate public health science in the policy process, and provides practical skills on engaging policymakers, and public constituencies to support public health initiatives. It will combine policy/advocacy strategy, real-life case studies, lectures by policymakers, and strategic analysis of recent legislative developments in health care. Reading assignments provide background knowledge for class lectures and discussion.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate

**Repeatability:** This course may not be repeated for additional credits

PBHL 8307. Systematic Review in He. 3 Credit Hours.
Systematic reviews are essential tools for health care workers, researchers, consumers, and policy makers who need to keep abreast of the accumulation of knowledge within their field. Systematic reviews provide more objective evaluation of the evidence than has been possible with traditional narrative reviews, and so can help resolve uncertainty and point toward promising future directions in research and practice. When appropriate, meta-analyses can help increase the precision of estimates regarding treatment effects and way to improve treatments. For example, identification of subgroups of individuals most (or least) likely to benefit from treatment can generate new questions to be addressed.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate

**Repeatability:** This course may not be repeated for additional credits.

PBHL 8308. Physical Agents. 3 Credit Hours.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate

**Repeatability:** This course may not be repeated for additional credits.

PBHL 8309. Exposure Assessment. 3 Credit Hours.
Exposure Assessment is the multi-disciplinary field that identifies and characterizes exposure to environmental agents; develops estimates of exposure for epidemiology, exposure-response, trend and surveillance, and risk assessment studies; and evaluates the significance of exposure of effectiveness of intervention strategies.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate

**Repeatability:** This course may not be repeated for additional credits.

PBHL 9083. Readings and Conference in Public Health. 1 to 3 Credit Hour.
Advanced tutorial in public health with an appropriate faculty member. Note: Requires written contract with the supervising faculty member and approval of Advisor and the Director of Graduate Programs.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate

**Repeatability:** This course may be repeated for additional credit.

PBHL 9187. Biostat Cnslt Practicum. 3 Credit Hours.
The objective of this course is to prepare students to collaborate effectively as biostatistics support consultants in the health professions. The emphasis will be to refresh statistical techniques and develop communication and problem solving skills. This course is designed for graduate students in public health who can use well-validated commercial statistical software, such as SAS, for the analyses of data from observational and/or interventional research studies.

**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate

**Repeatability:** This course may be repeated for additional credit.
PBHL 9189. MPH Capstone Seminar. 3 Credit Hours.
Required of M.P.H. students during final year of study. Seminar includes integration of coursework, practice skills to develop a fieldwork project or internship in a public health agency.
**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate
**Repeatability:** This course may be repeated for additional credit.

PBHL 9289. MPH Fieldwork I. 3 Credit Hours.
Fieldwork project or internship in a public health agency. Includes seminars, oral and written reports of progress and joint supervision by a preceptor and faculty member.
**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate
**Repeatability:** This course may be repeated for additional credit.

PBHL 9389. MPH Fieldwork II. 3 Credit Hours.
Evaluation of the fieldwork project or internship using a full range of research methodologies. Data are collected, analyzed and reported in a comprehensive final report. Oral and/or poster presentations are presented to public health organizations. Includes a final oral defense of the project or internship.
**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate
**Repeatability:** This course may be repeated for additional credit.

PBHL 9583. Independent Research in Public Health. 2 to 12 Credit Hours.
Independent research in public health supervised by an appropriate faculty member. Note: Requires written contract with the faculty member supervising the research, human subjects certification and documentation of IRB approval, approval of Advisor and Director of Graduate Programs.
**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate
**Repeatability:** This course may be repeated for additional credit.

PBHL 9991. Independent Project in Environmental Health. 1 to 3 Credit Hour.
Under the direction of an appropriate graduate faculty member, students tie together their coursework in a project that poses a problem, gathers data to help analyze the problem, and provides a solution. Note: Enrollment must be approved by Advisor and Director of Graduate Programs.
**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate
**Repeatability:** This course may be repeated for additional credit.

PBHL 9996. Masters Res in Pub Hlth. 3 Credit Hours.
Limited to students who have chosen to fulfill the master's degree by writing a thesis.
**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate
**Repeatability:** This course may be repeated for additional credit.

**Therapeutic Recreation Courses**

THRC 5009. Entrepreneurship in the Health Professions. 3 Credit Hours.
This course is designed to introduce students to entrepreneurship. The goal of the course is to demonstrate the links between knowledge, experience and skills and commercial possibilities. The course integrates a number of different disciplines, ranging from sociology and psychology to economics, finance, marketing and human resource management. Through assigned readings, class discussions, activities and guest lectures from various professional fields, students will be challenged to apply theoretical principles, concepts and frameworks to real world situations.
**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate
**Repeatability:** This course may not be repeated for additional credits.

THRC 5101. Health, Activity and Aging. 3 Credit Hours.
This course provides an interdisciplinary life-span oriented overview of the aging process, with an emphasis on its interrelationships with health and activity. Particular emphasis is given to the roles of leisure, health, activity, and environment in promoting health and well-being, as well as accommodations that may be necessary to maintain the health and well-being of older adults. Given the diversity of aging populations, topics such as gender, ethnicity, and lifelong disabilities will also be addressed.
**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate
**Repeatability:** This course may not be repeated for additional credits.

THRC 5102. Orientation TR. 2 to 3 Credit Hours.
**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate
**Repeatability:** This course may not be repeated for additional credits.

THRC 5204. Recreation Therapy and Assistive Technology. 3 Credit Hours.
This course introduces students to the role of assistive technology (AT) in promoting the full inclusion and community participation of persons with disabilities. Emphasis is placed on the AT devices and services that promote functional independence and participation in the community and in physically and socially active recreation and leisure.
**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate
**Repeatability:** This course may not be repeated for additional credits.

THRC 5205. RT Geriatric Services. 3 Credit Hours.
**Level Registration Restrictions:** Must be enrolled in one of the following Levels: Graduate
**Repeatability:** This course may not be repeated for additional credits.
THRC 5211. Rec Th & Phys Rehab. 3 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

THRC 5212. Play and Development. 3 Credit Hours.
This blended course (i.e., on-line and classroom) explores the theoretical and practical dimensions of play and the dynamic relationship between child's play and development. The course examines the intersection of gender, race/ethnicity, culture, community, media and technology with play and development. Topics include play of typically and atypically developing children, assessing play behaviors, designing multi-purpose play environments, and current efforts to reinvigorate the culture of play in children development. NOTE: Undergraduates may register for this course with permission of the instructor. Also, course work in developmental psychology, child/adolescent psychology or lifespan/human development is suggested.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

THRC 5213. Therapeutic Play, Recreation and Children's Health. 3 Credit Hours.
This course examines conceptual, theoretical, and practical issues associated with the organization and delivery of TR services. It uses a combination of lectures, readings, and oral and written exercises through which students reflect on and develop informed positions on core values and beliefs that support the profession. Students develop a plan of action for ongoing professional development during the academic program and beyond.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

THRC 5214. Child Life Interventions. 3 Credit Hours.
Foundation of Child Life practice including theories and methods used to reduce stress and increase child/family abilities to cope with illness and hospitalization. The course includes rationale and evidence for interventions related to techniques to prepare children for medical procedures, pain management, coping skills, family-centered care, and bereavement support. Students learn about credentialing requirements for Child Life Specialists, and are required to engage in field-based experiential learning. NOTE: Undergraduates may register for this course with permission of the instructor.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits
Pre-requisites: (THRC 5213|Minimum Grade of C|May not be taken concurrently AND THRC 8101|Minimum Grade of B-|May not be taken concurrently).

THRC 5215. Special Topics in TR Practicum. 1 to 3 Credit Hour.
Contemporary issues related to new methods and areas of TR practice, including assistive technology, TR in school settings, home health care, and community leisure programs for individuals with disabilities are covered.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

THRC 8101. Ev Based Pract & Rec Ther I. 1 Credit Hour.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

THRC 8102. Ev Based Pract & Rec Ther II. 2 Credit Hours.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

THRC 8133. Family Centered Care. 3 Credit Hours.
Recent legislative, professional, demographic and social changes have expanded traditional approaches of delivery of health services to incorporate the family in treatment and/or follow up. Students will have the opportunity to examine family systems theories and family-centered services for individuals with disabilities across the life cycle. They will also explore models of family centered teams, the issues of client/family empowerment, and the accessing of services, as well as learning how to incorporate this information into the development of a family service plan. Many sessions will have an experiential component to increase awareness of family issues effecting treatment and/or practical application of technique.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

THRC 8141. Conceptual and Contemporary Issues in Therapeutic Recreation. 3 Credit Hours.
This course examines conceptual, theoretical, and practical issues associated with the organization and delivery of TR services. It uses a combination of lectures, readings, and oral and written exercises through which students reflect on and develop informed positions on core values and beliefs that support the profession. Students develop a plan of action for ongoing professional development during the academic program and beyond.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.
THRC 8142. Clinical Programming and Practice in TR. 3 Credit Hours.
The course examines the dynamics of recreational and other activity-based interventions used for health promotion and psychosocial adaptation. It focuses on group program design and implementation, client motivation, and leadership skills. The course includes field-based application.
Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Therapeutic Recreation
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
THRC 8101|Minimum Grade of B|May not be taken concurrently.

THRC 8150. Therapeutic Recreation and Disabilities Seminar I. 3 to 6 Credit Hours.
This seminar combines literature research on issues associated with mental health, developmental disabilities, or aging, with individual/small group conferences to integrate findings with related course content. Students complete an issues paper that synthesizes research literature and any other structured learning activities, and draws implications for TR practice. Findings are also presented to undergraduates as part of a concurrent undergraduate course.
Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Therapeutic Recreation
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.
Pre-requisites:
THRC 8141|Minimum Grade of B|May not be taken concurrently.

THRC 8160. Therapeutic Recreation and Disabilities Seminar II. 3 to 6 Credit Hours.
This seminar combines literature research on issues associated with physical rehabilitation, pediatrics, or long-term care, with individual/small group conferences to integrate findings with related course content. Students complete an issues paper that synthesizes research literature and any other structured learning activities, and draws implications for TR practice. Findings are also presented to undergraduates as part of a concurrent undergraduate course.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

THRC 8161. Methods in Community-Based Participatory Research (CBPR) for Health. 3 Credit Hours.
This course aims to critically examine how researchers, practitioners, and community partners can work together to establish and consolidate equitable, transdisciplinary, and sustainable partnerships by using a CBPR approach to improve the health and life quality of community populations in general and to eliminate health disparities in particular. What distinguishes CBPR from other approaches to research is the active engagement and integration of all investigators and partners into the research process through such principles as mutual respect and teamwork (rather than a top-down/university-down approach); co-learning and mutual capacity building; and power-sharing and co-ownership of research. This course provides an overview of conceptual, methodological, and practical approaches to CBPR by focusing on cross-disciplinary health issues such as holistic health, culture and health, health disparities, mixed methods in health research, evidence-based and people-centered community healthcare, and inclusive health policy.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

THRC 8171. Therapeutic Recreation Administration. 3 Credit Hours.
This course examines program, personnel, fiscal, and facilities management, including professional standards of practice and accreditation standards that guide and regulate organization and delivery of TR services in health care and human services settings. The course may involve applied learning experiences in area agencies.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits
Pre-requisites:
THRC 8141|Minimum Grade of B|May not be taken concurrently.

THRC 8201. Managing Dementia Care. 3 Credit Hours.
Utilizing a person-centered and interdisciplinary approach, the course explores the strategies for assisting practitioners, agencies, families and caregivers with balancing the needs and behaviors of the individual with dementia, and the social and physical environments in which the person with dementia is placed. Students will apply fundamental principles for the design and evaluation of activity-based, psychosocial programs for this population. Models for managing problem behaviors while respecting the needs of the client will be explored. This course seeks to emphasize the importance of interdisciplinary support and is therefore, appropriate for students of health care disciplines that utilize an activity based approach. NOTE: Prior courses in lifespan/human development and anatomy are suggested. Undergraduates may enroll with permission of instructor.
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.
THRC 8280. Behavioral Change Seminar. 3 Credit Hours.
This course provides structure through which students design and implement a theory-based individual or group behavior change program through local agencies. Drawing from evidence-based “best practices” and national mandates to improve the health and wellness of individuals with chronic illnesses and disabilities, programs are designed to promote health and reduce secondary conditions. Seminar meetings are also used to provide peer supervision and feedback.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.
Pre-requisites:
(THRC 8141|Minimum Grade of B|May not be taken concurrently)
AND (THRC 8142|Minimum Grade of B|May not be taken concurrently).

THRC 9143. Leisure, Health and Quality of Life. 3 Credit Hours.
The purpose of this course is to explore the dominant concepts and theories related to recreation and leisure behaviors and experiences, and their linkages to health, wellness, and life quality. Current research describing the interrelationships between leisure and health/life quality will be examined, including the topics of disability and diversity issues such as culture, gender, race/ethnicity, class, age/life span, and sexual orientation. The interlinking triads among theory/conceptualizations, research, and practice are emphasized.

Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may not be repeated for additional credits.

THRC 9187. Therapeutic Recreation Practicum. 3 to 9 Credit Hours.
Field placement is made with emphasis on acquisition and application of practical skills. For non-certified students, this 4-6 s.h. practicum is designed to meet eligibility requirements for the NCTRC credentialing examination. For currently certified students, the 3 s.h. practicum is designed as an advanced clinical or administrative placement.

Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Therapeutic Recreation
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.
Pre-requisites:
(THRC 8142|Minimum Grade of B|May not be taken concurrently)
AND (THRC 5211|Minimum Grade of B|May not be taken concurrently)
OR (THRC 5204|Minimum Grade of B|May not be taken concurrently)
OR (THRC 5205|Minimum Grade of B|May not be taken concurrently)
OR (THRC 8201|Minimum Grade of B|May not be taken concurrently)
OR (THRC 5213|Minimum Grade of B|May not be taken concurrently)
OR (THRC 8150|Minimum Grade of B|May not be taken concurrently)
OR (THRC 8160|Minimum Grade of B|May not be taken concurrently).

THRC 9282. Readings and Conference for TR. 1 to 3 Credit Hour.
In-depth investigation of current literature related to a specialized area of research or practice is undertaken. Examples include health promotion programs to prevent secondary health problems, dementia care, programming for at-risk youth, and ethics. The course may also be used as preparation for TR 8141 or background preparation for the comprehensive examination.

Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Therapeutic Recreation
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

THRC 9382. Independent Study. 1 to 6 Credit Hour.
This supervised project is structured between the student and a faculty mentor. Projects may include developing a research proposal, conducting a field-based investigation, or developing and evaluating a program. Registering for this course requires prior permission of a faculty mentor. A mutually agreeable study contract must be secured before the end of the second week of the semester.

Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Therapeutic Recreation
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.

THRC 9995. Master’s Project in Therapeutic Recreation. 1 to 3 Credit Hour.
Enrollment in this course is limited to those who plan to fulfill the master's degree requirements by completing a field-based programming project under the supervision of a faculty member. Projects include but are not limited to designing, implementing, or evaluating therapeutic recreation programs; designing projects related to systems change; or engaging in constituent awareness and education.

Field of Study Restrictions: Must be enrolled in one of the following Fields of study: Therapeutic Recreation
Level Registration Restrictions: Must be enrolled in one of the following Levels: Graduate
Repeatability: This course may be repeated for additional credit.
Pre-requisites:
(THRC 8102|Minimum Grade of B|May not be taken concurrently).