

Interprofessional Electives Available

Below is a list of possible interdisciplinary electives for students with specific interests. The "HP" Interprofessional Courses are open to all students. Also listed are identified courses from Nursing, Physical Therapy, and Communication Sciences and Disorders with brief descriptions as to which students would be best suited for the course.

Please note that not all courses are offered every semester. Please refer to IOnline for the most up-to-date course information.

Interprofessional Courses

The HP courses are appropriate electives for students in any program who have interest in the course topics.

HP706 GENETICS FOR HEALTH CARE PROFESSIONALS: PRINCIPLES

Prerequisites: Matriculated student, health professional, or consent of the instructor. This course focuses on patterns of genetic inheritance, genetic structure and function, population genetics and genetic risk assessment and counseling. Lectures, tutorials, and workshops will involve case analysis that will demonstrate the practical application of these principles to clinical practice. 1 credit. Online.

HP712 FOUNDATIONS OF TEACHING AND LEARNING

Prerequisite: None. This course will introduce the learner to basic theories of adult teaching and learning. Historical antecedents to current methodologies will be discussed. A focus on teaching/learning in the context of higher education will be explored. A diversity of learning theories will be studied with an emphasis on how these affect one's decisions in selecting teaching strategies. Includes critical analysis of selected theories and their application to a variety of educational environments. 3 credits. Online.

HP713 COURSE DESIGN AND MEAS OF LEARN OUTCOMES

Prerequisite: HP-712. Exploration of the components of the course development process and assessment methodologies well as the rationale for measuring learning in the cognitive, psychomotor, and affective domains. Provides an introduction to both theory and methods of evaluation. Assessment of process outcome in classroom and clinical settings at the level of the learner, course and program are emphasized. Legal and ethical issues in course design and evaluation considered. 3 credits Online.

HP717 SURVEY OF HEALTHCARE INFORMATICS

Prerequisites: None. This online course presents an overview of the evolution of healthcare informatics from an interdisciplinary perspective. Students will learn healthcare informatics history, concepts, theories, legal and ethical implications, and applications within the healthcare industry. This course will introduce the student to the information system life cycle; human factors issues in healthcare informatics; critical issues affecting the development and implementation of information and communication systems and technologies (clinical, administrative and learning), knowledge management principles, professional practice trends, and explore some of the emerging ICT (information and communication technology) in health care. 3 or 4 credits. Online.

HP719 EHEALTH/CONSUMER HEALTH INFORMATICS

Prerequisite: HP-717 This course focuses on the implications of consumer health informatics to the practice of healthcare in a digital environment, eHealth. It will explore the impact on patient care within the contemporary health care environment and examine a variety of interactive strategies and technologies used to enhance health care delivery to consumers. An emphasis will be on examining the diversity of consumers' information seeking needs and strategies especially in underrepresented populations. This course will focus on the design and development of consumer health information resources, examine interactive models that integrate consumers' preferences to enhance health care delivery to consumers. 3 credits

HP720 DESIGNING CLINICAL RESEARCH

Prerequisites: None. Pass/Fail available. This course is an introduction to the basic elements of research design for clinical inquiry emphasizing the process of developing clinically relevant and feasible research questions, concepts

of reliability and validity in measurement and design, and the application of a variety of research designs for answering questions of clinical interest. 2-3 credits Online.

HP 721 STATISTICS FOR CLINICAL RESEARCH

Pass/Fail available. Basic statistics for graduate students in the health professions, including descriptive and inferential statistics. 2-3 credits Online.

HP722 DEV. INTERDISC. APPROAC TO HLTH MGMT OF OLDER

This course will focus on health management for older adults by addressing policy, economic, organizational structure, and clinical issues. It will focus on effective outcomes, understanding the range of professional roles, and provide knowledge and skills necessary for Interprofessional professional practice. 2 credits. *This course is taught at Harvard Medical School, organized by Dr. David Satin. An excellent elective for those interested in gerontology and care of the older adult.*

HP820 ETHICAL ISSUES IN HEALTH CARE

Prerequisite: none. Pass/Fail and audit available. Basic ethical theory combined with a problem-solving approach to ethical issues commonly confronting health professionals. 2 credits. *This course is a requirement for all entry-level students.*

HP 822 LIVING WITH DEATH AND GRIEF

Prerequisite: none. Pass/Fail and audit available. Provides an understanding of dying, death, and bereavement from historical, cultural, societal, interpersonal, and personal perspectives. Exploration of philosophical, theoretical, and pragmatic issues underlying choices and decisions in clinical practice. 3 credits.

HP826 IMIGRANT AND REFUGEE HEALTH

Prerequisite: None. Immigrants and refugees bring with them some very unique experiences which can have lifelong implications on their functioning and health care beliefs. In order to provide optimal health care, providers must be sensitive to and knowledgeable of the health care expectations and practices unique to these specific populations. This course explores issues relevant to immigrants and refugees: cultural, health care patterns and practices, previous experiences, available resources, as well as potential challenges confronted by those providing health care. 3 credits. *Appropriate for entry level students who are interested in health disparities and global health issues.* Online.

HP996-999 INTERPROFESSIONAL SEMINARS

These seminars are required of all 1st and 2nd year Entry-Level students in the Spring term of Years 1 and 2. 0 credit.

Communication Sciences and Disorders

CH721 FOUNDATIONS OF SPOKEN/WRITTEN LANGUAGE AND COGNITION

Program Prerequisites or by consent. This course will examine in depth theories of spoken and written language acquisition, stages of development and methods of analysis. It will also include discussion of information processing concepts such as attention, perception and memory. 2 credits *Appropriate for NS or PT or OT students interested in cognitive models, perhaps in particular psych nursing students.*

CH740 EARLY INTERVENTION: BIRTH TO 3

Prerequisite: Program prerequisites. This course provides theoretical and practical preparation for diagnosing and treating infants, toddlers and their families. Through lectures, readings, and discussions, students will understand Individual Family Service Plans (IFSP), service coordination, family-centered practice, and federal and state legislation. In addition, students will learn hands-on remediation techniques. They will also become familiar with the diagnostic tools used in Massachusetts to determine eligibility. 2 Credits. *Appropriate for NS or PT or OT students interested in intervention with very young children (0-3).*

CH835 AUGMENTATIVE COMMUNICATION

Program Prerequisites or by consent. Various low technology and high technology assistive devices for individuals with communication disorders will be discussed. Students will be exposed to both diagnostic and treatment considerations in augmentative communication. A unique feature matching approach will be emphasized with a case management format supplementing lectures. 2 credits *Appropriate for NS, PT, OT students who are interested in working in settings where they will care for individuals who have severe communication impairments.*

CH836 THEOR. & PRACT. APPROACH TO COUNSELING

Prerequisite: Program prerequisite or by consent. Course work in developmental and acquired neurogenic disorders. This course will expose the clinician to a range of theoretical and practical paradigms relevant to the field of communication disorders. Application will be made to clients/families in developmental and acquired neurogenic populations. Lectures and small group sessions will allow presentation and peer review of counseling interactions. 2 credits. *Appropriate for NS, PT, OT students who are interested in working in acute care, rehab., or educational settings.*

CH837 TRACHEOSTOMY/VENTILATION ISSUES IN A MEDICAL SETTING

Program prerequisites. This course addresses concepts, assessment and treatment of respiratory disorders/diseases that require the use of tracheostomy tubes and mechanical ventilation for adults and children. 1 Credit. *Appropriate for PT, OT students who wish to work in acute care settings. (NS students probably have this information covered in other courses)*

CH800 PEDIATRIC FEEDING AND SWALLOWING DISORDERS

Prerequisites: Program prerequisites or by consent. This course will focus on pediatric swallowing disorders. It will review the anatomy and physiology of normal and abnormal swallowing, and discuss specific etiologies relevant to the pediatric patient. Clinical and instrumental diagnostic methods will be discussed, as well as treatment planning regarding oral and non-oral feeding recommendations. 1 Credit. *Appropriate for NS, PT, OT students who are interested in working with very young pediatric populations.*

Physical Therapy

PH 621DL ESSENTIALS OF PHARMACOLOGY

This module provides an introduction to the basic classifications and mechanisms of action of drugs, with consideration of age, gender, co-morbidities, and exercise. 1 credit. *Appropriate for any health care professionals working with individuals who may be affected by the meds they are taking.*

PH 750DL DIAGNOSTIC IMAGING

Prerequisite: none. Pass/Fail and audit available. This course introduces the student to diagnostic imaging principles and techniques as applied to physical therapy practice. Standard imaging procedures are addressed including radiography, fluoroscopy, arthrography, magnetic resonance imaging, CT scans, angiography, nuclear medicine, and special procedures. Lecture and laboratory sessions will emphasize musculoskeletal, neurologic, cardiopulmonary, and common general procedures relevant to physical therapists. 2 Credits. *Appropriate for OT, PT, CSD, NS if they have a strong anatomy background (not just an undergraduate Anatomy & Physiology course.*

Nursing

NH 531 HEALTH CARE POLICY AND POLITICS

Prerequisites: Satisfactory completion of Semester 1 (summer) courses-NS 510, NS 511, NS 512, HP 509 (17 credits) & Semester II (fall) courses NS 520, NS 521 NS 522, HP 519 (17 credits) & enrolled in co-requisite courses. Pass/Fail available. This course provides a forum for the discussion of policies related to health care. The focus is on the interrelationships among the process of policy development, the role of health care professionals and organizations in this process, and the delivery of health care. Students analyze health care policy from organizational, socioeconomic, legal, ethical, political and historical perspectives. 3 credits. *Appropriate for all entry-level students.*

NH 602 HEALTH CARE POLICY AND POLITICS

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Prerequisites: none. Pass/Fail and audit available. Provides a forum for the discussion of policies related to health care such as the role of health care professionals in this process and delivery of health care. Students analyze health care policy for socio-economic, ethical, political, and historical perspectives. 3 credits *Appropriate for all entry level students.*

NH 730 OUTCOMES MEASUREMENT

Prerequisite: Matriculation into advanced practice level or permission of instructor. Pass/Fail available. Outcomes Measurement is a core skill used by Advanced Practice Nurses to evaluate their own practice and the practice of other nurses. This class is an introduction to the analysis of outcome measures at the Patient and Systems levels. Critique of reliability, validity, and applicability of measures will be emphasized. Analysis of cases and research focusing on outcomes. 3 credits *Appropriate for all entry-level students.*

NH 740 HEALTH CARE ECONOMICS AND FINANCING

Prerequisites: RN Status or NCLEX eligible. Pass/Fail available. An introduction to the principles of economics, financing and budgeting within the context of the healthcare environment. Essential economic and financial theory for the healthcare provider will be examined and financial methodology will be introduced. Specific weekly topics will be presented based on the following modules: principles of economic theory in healthcare, public and private financing in healthcare and budgeting principles. 3 credits *Appropriate for all entry-level students.*