HEALTH PROFESSIONS TEACHING & TECHNOLOGY (HPTT)

HPTT 601 FOUNDATIONS OF HEALTH PROFESSIONS EDUCATION 3 Credit Hours
This course presents the basic concepts and processes of curriculum and instruction, including learning theories, curriculum planning, teaching modalities, and curriculum evaluation. Topics are selected to give students a basic understanding of pedagogy. Evaluation is based on weekly discussion posts and papers. Prerequisite: Enrollment in the HPTT Program or instructor permission. Cross List: HPME 801. Typically Offered: FALL/SP/SU

HPTT 602 INSTRUCTIONAL DESIGN FOR HEALTH PROFESSIONS EDUCATION 3 Credit Hours
This course focuses on the fundamentals of instructional design for developing highly effective instruction. Topics include the science of how people learn, learning situations and characteristics, task and needs analysis, development of goals and objectives, principles of design process, assessment strategies (formative and summative), and concepts of design for a variety of environments and instructional modalities. Prerequisite: Enrollment in the HPTT Program or instructor permission. Cross List: HPME 802. Typically Offered: FALL/SP/SU

HPTT 603 INTEGRATING TECHNOLOGY INTO HEALTH PROFESSIONS CURRICULUM 3 Credit Hours
This course is intended to prepare the graduate student, professional student, health educators or health professional to integrate technology into health sciences curriculum. It is designed to help health profession educators to become confident with the practical applications of technology integration when constructing curriculum. This course will focus on integrating modern technologies in the traditional, online, hybrid and flipped classrooms. Prerequisite: Enrollment in the HPTT Program or instructor permission. Cross List: HPME 803. Typically Offered: FALL/SP/SU

HPTT 604 MULTIMEDIA AND EMERGING TECHNOLOGIES FOR LEARNING IN THE HEALTH PROFESSIONS 3 Credit Hours
This course provides participants with an introduction to the use of multimedia and emerging technology for teaching and learning in the health professions. Participants will develop skills and apply knowledge using technology tools to enhance their profession. Participants will research, discuss and share current technology trends in health professions. They will engage with multimedia and telecommunication solutions, evaluate existing and emerging technology learning opportunities and articulate personal principles concerning technology for teaching and learning. Prerequisite: Enrollment in the HPTT Program or instructor permission. Cross List: HPME 804. Typically Offered: FALL/SP/SU

HPTT 605 EVALUATION AND ASSESSMENT OF TEACHING AND LEARNING IN HEALTH PROFESSIONS EDUCATION 3 Credit Hours
This course explores the nature, objective, and basic procedures of assessment and program evaluation as applied to the various aspects of health professions education settings. The course will examine technical characteristics of various assessment methods, including both traditional and alternative methods. In addition, the course will analyze and discuss various topics in assessment such as authentic assessment, large-scale assessment, formative assessment, and assessment for program evaluation. Additional topics will include accreditation, program review, benchmarking, and evaluation of teaching in health professions programs. Prerequisite: Enrollment in the HPTT Program or instructor permission. Cross List: HPME 805. Typically Offered: FALL/SP/SU

HPTT 610 OVERVIEW OF HEALTH PROFESSIONS EDUCATION TEACHING AND TECHNOLOGY 1 Credit Hour
This online course presents a broad overview of topics in teaching in the health professions. The primary focus will present information on educational pedagogy, instructional design and the evaluation of learning and teaching. Other topics relative to the delivery of quality educational materials in the health professions will be introduced, such as leadership, the use of simulation, the use of technology in the delivery of instruction and how to assure the quality of online delivery. Prereq: Permission from the instructor. Typically Offered: FALL/SP/SU

HPTT 620 DISTANCE EDUCATION IN HEALTH PROFESSIONS EDUCATION 3 Credit Hours
Distance education for the health professions is an asynchronous, on-line course which will focus on the practical aspects of developing and facilitating distance education courses in medical education. The course will cover various aspects of online course delivery and design including the creation and facilitation of interaction, the creation of assignments and assessments for on-line learning, course etiquette and ADA compliance. As part of the course, participants will have the opportunity to develop a distance course module grounded in distance education theory and instructional design principles. Prerequisite: Enrollment in the HPTT Program, HPTT 604/HPME 804 or instructor permission. Cross List: HPME 820. Typically Offered: SUMMER

HPTT 621 FUNDAMENTALS OF ADULT LEARNING IN HEALTH PROFESSIONS EDUCATION 3 Credit Hours
Fundamentals of Adult Learning for the Health Professions is an on-line course which will focus on adult learning in medical education. As part of this course, students will explore the evolution of adult learning theory including traditional and emerging views of the practice of adult learning, such as andragogy, self-directed learning, transformative learning, social and cognitive constructivism, and critical reflection. The goal of this course is to give the student an overview of these major theories and current research related to adult learning along with providing ideas on how to apply these concepts to practice. Prerequisite: Enrollment in the HPTT Program or instructor permission. Cross List: HPME 821. Typically Offered: SPRING
HPTT 622 COGNITIVE PSYCHOLOGY APPLIED TO HEALTH PROFESSIONS EDUCATION 3 Credit Hours
This course will explore the construct of cognitive psychology as it relates to both personal experiences and pedagogical implications for the health care professional or educator. A foundation of cognitive psychology, relationship to neuroscience, perception, attention, working memory, long-term memory, visual imagery, language, metacognition, problem solving, reasoning, and decision making are key elements related to cognitive psychology that will be examined throughout the course. A connection to how these foundational elements of cognitive psychology are impacted by the unique environment of the healthcare professional or educator will be a central theme of the course.
Prerequisite: Enrollment in the HPTT Program, HPTT 601/HPME 801 or instructor permission.
Cross List: HPME 822
Typically Offered: SUMMER

HPTT 623 LEADERSHIP IN HEALTH PROFESSIONS EDUCATION 3 Credit Hours
This course is an in-depth exploration the knowledge, skills, attitudes, and competencies required for leadership in the context of complex health care and health professions education organizations. Leadership theory will be used as a framework for enhancing organizational behavior focusing on both individual and team performance.
Typically Offered: FALL/SP/SU

HPTT 624 SIMULATED AND VIRTUAL LEARNING IN HEALTH PROFESSIONS EDUCATION 3 Credit Hours
This upper level course in the College of Allied Health Professions provides students the tools they need to design and perform simulation in an educationally sound manner. Emphasis will be placed on practical application of teaching/learning theory in simulation environments by promoting the transfer of theory to practice. Students will examine a variety of simulation techniques, strategies and the role they play in the education and training of the healthcare professionals.
Prerequisite: Enrollment in the HPTT Program or instructor permission.
Typically Offered: SUM/SPRING

HPTT 630 RESEARCH ANALYSIS AND DESIGN FOR HEALTH PROFESSIONS EDUCATION 3 Credit Hours
The purpose of this course is to provide an introduction to research methods likely to be encountered during a health professions teaching and technology career. Learners will demonstrate the steps of scientific research. This course will cover topics including formulation of a research problem, sampling and research design, dissemination of research findings, and research proposal writing. These topics will be discussed in detail and result in the learners demonstrating the application of newly acquired skills through critical review of peer-reviewed scientific articles. Research ethics is large component of the course. Learners will complete the Collaborative Institutional Training Initiative (CITI) training program as well as learn about the Institutional Review Board (IRB) processes and applications. Through an iterative process of group feedback and project refinement, each learner will develop a research/grant proposal which can be included in an e-portfolio.
Prerequisite: Enrollment in the HPTT Program or instructor permission.
Typically Offered: FALL/SP/SU

HPTT 631 DIGITAL PORTFOLIO CAPSTONE: PART 1 1 Credit Hour
This course provides participants with an introduction to professional digital portfolios that will be utilized by the graduate candidate wishing to complete the requirements for graduation with the Master of Health Professions Teaching and Technology degree. An electronic portfolio will be developed during the graduate candidate’s experience in the MHPTT program.
Prerequisite: Enrollment in the HPTT Program or instructor permission.
Cross List: HPME 831
Typically Offered: FALL/SP/SU

HPTT 632 DIGITAL PORTFOLIO CAPSTONE: PART 2 2 Credit Hours
This course provides students with the time and focus to complete their digital portfolio, which was introduced in MHPTT 631/831 Digital Portfolio Capstone: Part 1. The portfolio will include artifacts that are exemplary examples of the graduate candidates work.
Prerequisite: Enrollment in the HPTT Program, HPTT 630 or instructor permission.
Cross List: HPME 832
Typically Offered: FALL/SP/SU