HEALTH SCIENCES (HSCI)

Courses

HSCI 7001. Foundation of Education. 3 Credit Hours.
This course will review models of learning theory as they relate to higher education, professional education and adult and career continuing education contexts, as well as application of learning theory to teaching methods and evaluation. Various learning theories will be introduced, to include behavioral, cognitive and constructive theory, motivation and newer theories of learning based in cognitive science.

HSCI 7002. Curriculum and Instruction. 3 Credit Hours.
This course provides hands-on experience with developing competency-based curricula for health science education programs. Program development, needs assessment, goals, course construction and sequencing, course descriptions, objectives, outlines, syllabi, content and outcomes assessment and evaluation for specific learning audiences will be described.

HSCI 7003. Methods and Evaluation. 3 Credit Hours.
A comprehensive review of various teaching methods and learning outcome evaluation techniques. Topics included are developing and implementing course goals, objectives, learning activities, lesson plans, synchronous and asynchronous learning platforms, evaluation methods, test construction, and course and program evaluation. Psychometric measures and interpretation including item analysis and descriptive statistics are included.

HSCI 7004. Teaching Practicum. 3 Credit Hours.
Graduate students will engage in one or more of a variety of interrelated teaching activities -- lecturing, class discussion, one-to-one tutoring, office hours, and grading in the various specialty and core curriculum under the direct supervision of a faculty member. Students will also be required to complete didactic assignments related to curriculum design, presentation and evaluation.

HSCI 7005. Introduction to Grantsmanship. 2 Credit Hours.
Provides an overview of evidence-based methods for evaluating and developing leaders and leadership. Topics include: the history of leadership assessment and leadership theory; use of validated assessment methods in measuring leadership (e.g. interviews, assessment centers, and cognitive and objective assessments); and organizational approaches to leadership development (e.g. talent reviews, developmental assignments, 360-degree feedback, and succession/acceleration programs.).

HSCI 7006. Research Seminar 1. 1 Credit Hour.
Continuation of Research Project I. Students will continue planning and conducting the required dissertation research project. Students are expected to begin to formulate their research question(s) to include background and significance, problem and purpose statement, need for the study, assumptions, limitations, and definitions. Students will also complete their review of the literature in preparation for their preliminary research proposal defense.

HSCI 7007. Research Seminar 2. 1 Credit Hour.
Continuation of Research Project I. Students will continue planning and conducting the required dissertation research project. Students are expected to begin to formulate their research methods and procedures and complete preparation for their research proposal defense.

HSCI 7008. Issues and Trends in Health Care. 3 Credit Hours.
Current issues and trends in health care are discussed. An overview of the United States health care system, its history, structure, major components and overall performance is provided, followed by a review of the interrelationships among various trends and forces that are likely to shape the roles and responsibilities of health care institutions in the future. Students become well versed in the major issues facing the health care industry and the public/private/individual roles needed to address these issues. Concepts in organizational behavior, health economics, health care finance, health care planning and marketing, and health insurance and managed care are discussed.
HSCI 7203. Ethics in Clinical and Research Settings. 1 Credit Hour.
This web based course provides the student with an interactive format to discuss the researcher's responsibilities for conducting ethically sound scientific research as well as select ethical issues in research. Each student will have the opportunity to analyze an ethical issue as it relates to the student's research project or topic.

HSCI 7204. Management and Supervision. 3 Credit Hours.
Principles of management and supervision as they relate to the organization and administration of health care facilities, higher education and the academic department will be discussed. Governance of higher education to include organization, control, funding, and evaluation will be described and the principles of management and supervision as they relate to the administration of the academic department will be discussed. Basic principles of management to include planning, organizing, directing and controlling, management and evaluation of personnel and programs, motivational theory, conflict management and principles of delegation will be covered.

HSCI 7301. Education. 3 Credit Hours.
This course is an introduction to basic principles and techniques used in education. Topics include course design, objectives, lesson-plan development, learning activities, use of media, development of presentations, testing, and evaluation.

HSCI 7302. Research. 3 Credit Hours.
This course addresses the skills in understanding and critiquing research reports. Principles and criteria for evaluating published research, including statistical analyses, issues of validity and evidence-based practice are discussed.

HSCI 7303. Clinical Delivery. 3 Credit Hours.
This course emphasizes basic clinical methods and skills for beginning graduate students with an emphasis on assessment and intervention. Clinical note-writing and documentation are modeled and discussed. Topic areas covered include various published and evidence-based clinical protocols and operational procedures in management.

HSCI 7304. Dissertation. 2–9 Credit Hours.
Students complete research in preparation of a dissertation in partial fulfillment of the requirements of the degree program. Includes supervision while student is writing the doctoral dissertation following all required course work. This is a pass/no pass course. Repeated until dissertation has been successfully defended. Prerequisites: Permission of program director.