

# HEALTHCARE DELIVERY SCIENCE (HDS)

## **HDS 815 COMMUNICATION FOR INDIVIDUALIZED HEALTH CARE 3 Credit Hours**

This course is designed to facilitate understanding of how providers', patients', and their families' perspectives impact their participation in the health care system. Students will explore the ethical and legal implications of barriers to quality health care for all individuals. The course promotes appreciation of various viewpoints in our society through the examination of beliefs, values, and perspectives that may impact health care. Students will evaluate the dynamics of interpersonal communication when people of various cultures interact. The course will include study of the Culturally and Linguistically Appropriate Services [CLAS] standards as they apply to patient-centered health care. Prerequisite: Enrollment in the Master of Healthcare Delivery Science program or permission from the instructor.

Cross List: CAHP 415, CAHP 615.

Typically Offered: SUMMER

## **HDS 823 PRINCIPLES OF CRITICAL INQUIRY 2 Credit Hours**

This asynchronous course is designed to develop the students' abilities to critically analyze and interpret research. The primary focus will be on evidence-based practice, research designs, statistical methods, and critically analyzing research papers.

Cross List: CAHP 423, CAHP 723.

Typically Offered: FALL/SPR

## **HDS 826 HEALTH CARE ETHICS AND CRITICAL THINKING 3 Credit Hours**

This upper level, asynchronous course introduces ethical issues that Allied Health professionals can expect to encounter during their education and career. It covers such areas of concern as confidentiality, informed consent, responsible practice, professionalism, culture differences, handling mistakes, difficult cases, and key legal aspects of these issues. To assist students in resolving issues, the course identifies and applies key principles of critical thinking. The course trains students in the use of these principles in ethics and professionalism. The course is designed to improve the ability of students to reason soundly in professional ethics, to be familiar with the health professional ethics literature, and to communicate clearly about ethical values, integrity, and judgment.

Cross List: CAHP 426, CAHP 626.

Typically Offered: FALL/SPR

## **HDS 830 SCANNING HEALTH CARE ENVIRONMENT 3 Credit Hours**

This upper level, asynchronous course is designed to provide allied health professions students with an overview of health care delivery in the United States. The course will explore factors that influence the delivery of health care, including drivers of health outcomes, the financing of health care, and various health care settings. The course will examine the evolution of health care in the United States and will project issues that will affect health care in the future. Allied health professionals are affected by such changes in both their personal and professional lives. It will be the challenge of health care professionals of the future to consider the value of Medicare and Medicaid, the handling of insurance issues, the creation of policy governing health care delivery, and the optimization of health care outcomes. This course is designed to assist students in gaining an understanding of why change is occurring, recognizing trends in their particular professional environment, and identifying strategies to affect the changes to promote quality patient care in an economical environment.

Cross List: CAHP 430, CAHP 630.

Typically Offered: FALL

## **HDS 831 MANAGEMENT IN HEALTH CARE 3 Credit Hours**

This asynchronous course introduces allied health students and practitioners to the concepts of organizational theory and behavior as they apply to health care settings. The topics to be covered include personality types in the workplace, leadership and management, the principles of employee motivation, team performance and development, organizational culture, planning and implementing organizational change, human resource management practices, continuous quality improvement, financial management, and risk management.

Cross List: CAHP 431

Typically Offered: SPRING

## **HDS 850 FOUNDATIONS OF QUALITY IMPROVEMENT 3 Credit Hours**

Learners will explore foundational principles of the field and science of quality improvement. Topics covered will lay the groundwork for students to understand the complexity of quality improvement in practice including policies and regulations that affect quality, quality metrics and reporting, frameworks to conceptualize quality issues, quality improvement models, data management and analysis methods, considerations for adopting change to improve and sustain performance, and organizational and social influences on improvement. Pre-req: Admission to the Master of Healthcare Delivery Science program and/or permission from the instructor.

Typically Offered: FALL

## **HDS 851 SYSTEM AND SOCIAL INFLUENCES IN QUALITY AND SAFETY 3 Credit Hours**

Learners will explore system and social influences that influence quality improvement and safety initiatives in healthcare settings. Topics covered include strategic alignment of improvement initiatives with organizational strategy, safety culture, high-reliability and learning organizations, leadership for improvement, interprofessional teams and teamwork, individual behavior change and performance management, system design and human factors, and health information technology and informatics in quality improvement. Pre-req: HDS 650/850 Foundations of Quality Improvement, Admission to the program or permission of the instructor.

Typically Offered: SPRING

**HDS 852 DESIGN OF QUALITY IMPROVEMENT INITIATIVES 3 Credit Hours**

Learners will explore and apply strategies and tools from the science of improvement to define, measure, and analyze quality problems in healthcare settings. Topics covered include methods to identify improvement needs and set improvement aims, strategies to evaluate the strength of evidence, selection of the data collection and analysis tools and strategies, selection of appropriate measures and metrics for evaluation and comparison, prioritization of improvement activities, assembly of improvement teams, and justification of improvement goals and efforts. Pre-req: HDS 650/850 Foundations of Quality Improvement, Admission to the program or permission of the instructor.

Typically Offered: SUMMER

**HDS 853 IMPLEMENTATION AND EVALUATION OF QUALITY IMPROVEMENT INITIATIVES 3 Credit Hours**

Learners will explore and apply strategies and tools from the science of improvement to implement and evaluate the effectiveness of quality improvement initiatives and to manage and spread improvements in healthcare settings. Topics covered include development and improvement implementation strategies and action plans, strategies and tools to analyze and evaluate implementation efforts and impacts on metrics of interest, approaches to change management with an emphasis on the spread and sustainment of change, financial analysis and return on investment activities, and the integration of a portfolio of improvement projects under a larger quality improvement program. Pre-req: HDS 650/850 Foundations of Quality Improvement, HDS 652/852 Design of Quality Improvement Initiatives, Admission to the program or permission of the instructor.

Typically Offered: FALL

**HDS 860 INTRODUCTION TO HEALTH INFORMATICS 3 Credit Hours**

Health informatics is the interdisciplinary study of the collection, management, and use of patient and health services related data to improve the overall quality and effectiveness of healthcare. This course presents an introduction to the practice of informatics in the healthcare setting. Overarching topics include: the fundamental informatics framework, the role of informatics across the healthcare continuum, and a survey of health informatics applications

Typically Offered: FALL

**HDS 861 HEALTH DATA ANALYTICS 3 Credit Hours**

This course presents the basic concepts of data analytics in the healthcare setting. Students will learn and apply skills to effectively collect, query, analyze, and visualize data to solve problems. Evaluation is based on weekly assignments, and a final project.

Typically Offered: SPRING

**HDS 862 HEALTH INFORMATION SYSTEMS 3 Credit Hours**

This course introduces health information systems as tools to gather, analyze, and document patient and health system information to detect, understand, and prevent or treat diseases. Students will learn how interoperable health information and decision support systems work together to provide safe, effective, patient-centered, timely, efficient, and equitable care

Typically Offered: SUMMER

**HDS 863 HEALTHCARE INFORMATION MANAGEMENT AND SECURITY 3 Credit Hours**

This course explores topics related to the management and security of health information. Specifically, students will learn the administrative and regulatory uses of health information; the fundamentals of medical coding and reimbursement; and methods used to ensure the confidentiality, privacy, and security of patient health information.

Typically Offered: FALL

**HDS 871 INTRODUCTION TO DIGITAL PORTFOLIO 1 Credit Hour**

This course provides participants with an introduction to developing a professional digital portfolio. Students will explore digital portfolio design and prepare materials that will be used in a digital portfolio capstone that summarizes their educational experiences in the Healthcare Delivery Science (HDS) program.

Prerequisite: Admission to the Healthcare Delivery Science program or permission of the instructor.

Typically Offered: FALL/SP/SU

**HDS 872 DIGITAL PORTFOLIO CAPSTONE 2 Credit Hours**

This course provides students with the time and focus to complete their capstone project, which will be a digital portfolio. The digital portfolio was introduced in HDS 871 Introduction to Portfolio Capstone. The portfolio will include artifacts that are exemplary examples of the graduate candidate's work.

Prerequisite: HDS 871 Introduction to Digital Portfolio and completion of core curriculum HDS program courses or permission of the instructor.

Typically Offered: FALL/SP/SU

**HDS 873 SPECIAL TOPICS IN HEALTHCARE 1-4 Credit Hours**

This independent study course allows students to explore a specific topic not offered in the existing curriculum. Faculty approved and guided, student-designed projects provide students the opportunity to conduct independent research, participate in or conduct community projects, obtain certification for a specific skill set related to their primary profession, pursue the scholarly exploration of a specific topic, or other student-designed projects. All projects will require faculty approval and oversight.

Prerequisite: Admission to the Healthcare Delivery Science program and/or permission of the instructor.

Typically Offered: FALL/SP/SU