# DNP COURSE DESCRIPTIONS

## NURS 700: Principles of Epidemiology and Biostatistics – 3 credits

This course introduces students to the purpose, content, and methods of epidemiology and biostatistics. Students will learn the fundamental concepts and techniques of descriptive and inferential statistics with particular emphasis on applications in epidemiology, public health, global health, disease surveillance and outbreak analysis, health care administration, and the social and biological sciences. Basic statistics, including exploratory data analysis, descriptive statistics, hypothesis testing, correlation, regression, and ANOVA methods are presented. Students will learn to evaluate and use output from statistical computing software.

## NURS 701: Foundations of Clinical Scholarship – 3 credits

As the first course in the DNP program, this course is designed to refine students' scholarly writing skills through a variety of strategies. Along with important works in nursing, students will explore literature in other disciplines. The process of concept analysis will be emphasized.

## NURS 702: Integrating and Synthesizing Research - 3 credits

This course emphasizes an objective approach to the integration and synthesis of knowledge according to scientific principles and rules. The conceptual consequences imposed by science on philosophies of knowledge are also discussed. Manuscript preparation and practical use of evidence are incorporated in an effort to prepare students for the design of research proposals.

## NURS 703: Ethics for Advanced Nursing Practice – 3 credits

This course is designed to present ethical principles and decision-making models for the highest level of nursing practice. Students will use evidence-based nursing and interprofessional literature to analyze ethical dilemmas that arise in professional practice.

## NURS 704: Quality and Patient Safety in Advanced Nursing Practice – 3 credits

This course is designed to provide students with the foundation of process improvement (PI) and quality improvement (QI) concepts. Students will be exposed to theoretical perspectives of quality and patient safety factors and the use of selected process improvement tools. Evidence-based practice and change management will be integrated with concepts of PI and QI. Systems thinking will be emphasized.

### NURS 705: Clinical Inquiry I – 3 credits

In this course, students will design an evidence-based research study that will guide clinical practice. The feasibility of conducting this research initiative will be explored. Potential funding sources and budget issues will be examined. Students will complete the human subjects training and write a proposal.

### NURS 706: Clinical Inquiry II – 3 credits

In this course, students will implement their clinical project and complete data collection. Students will apply integrated research concepts as they pertain to their clinical project. Utilization of various methods of data analysis and data management systems will be explored.

### NURS 707: Clinical Inquiry III – 3 credits

In this course, students complete data analysis of the clinical project. Based upon the results of data analysis, the student will disseminate his/her evidence-based research through written and oral delivery.

### NURS 708: Organizational and Systems Leadership – 3 credits

Students will analyze organizational, management and social science theories in the context of organizational leadership and change management. Systems thinking is emphasized.

### NURS 709: Advanced Health Policy – 3 credits

In this course the student uses knowledge of the American healthcare system to identify economically and politically feasible and viable policy changes that would improve the efficiency and effectiveness of the system's delivery of health care. The student will explore the policymaking process in preparation to be effective advocates for health policy change.