NRSG 506/EIND 506 Design of Healthcare Delivery Systems

Credits: 3 (lecture)
Semesters offered: Spring
Pre-requisite: NRSG505 or instructor permission

The purpose of NRSG506/EIND506 is to introduce the role of Clinical Nurse Leader (CNL) and the role of Industrial (or systems) Engineer (IE) in health care, examine major systems within healthcare organizations which affect care delivery, and provide experience and tools for working effectively in interdisciplinary teams to redesign healthcare delivery systems. This interdisciplinary course targets nursing students pursuing certification as a Clinical Nurse Leader and Industrial Engineering students who intend to work in the healthcare sector. Students learn strategies for analyzing and improving systems, coordinating interdisciplinary healthcare teams, enhancing healthcare quality management, and reducing risk through medical error elimination.

Course Objectives:

1. Examine the roles of the Clinical Nurse Leader and Industrial Engineer as each relates to organizational leadership, effective advocacy, and the delivery and integration of care.

2. Evaluate core hospital systems which drive the quality, timeliness, and cost of care using systems engineering concepts and tools.

3. Examine issues related to coordinating and leading healthcare teams in collaborative problem-solving.


5. Describe interrelationships among clinical information systems, communication accuracy, error reduction, and health care system operations.

6. Assess internal and external forces including cultural factors that affect healthcare delivery across various settings.

Approved by GAAC: 10/09; 10/11
Approved by Faculty 10/09; 10/11