For students who started the DNP Fall 2023 or prior.

NURS 5115: Interprofessional Healthcare Informatics (3 cr.)

Description:
Examines the implications of informatics for practice, including nursing, public health,and healthcare in general. Discusses electronic health record issues. Relates ethical, legislative and political issues informatics. Explores global and future informatics issues.

Objectives:

1. Examine theories and frameworks for nursing, public health, and healthcare informatics.
2. Apply principles of data and information to selected information systems.
3. Evaluate information and knowledge resources using an informatics framework.
4. Describe the role of standards organizations to build a national electronic health record, including vocabularies and classification systems, and health record architecture.
5. Discuss issues associated with implementing an electronic health record/ management information system.
6. Relate informatics with evidence-based practice and quality improvement to provide safe, quality patient care.
7. Describe policy ramifications of computerized information systems, including data integrity, ethical implications, legal requirements, and professional practice standards, trends, and issues.

NURS 5200: Holistic Health Assessment and therapeutic for Advanced Practice Nurses (3 cr.)

Description:
Provides students with advanced health assessment knowledge and skills need for advanced nursing practice across the life span. Selected nursing interventions and complimentary therapies are examined for their application to specific populations/illness conditions.

Objectives:

1. Differentiate between the roles of medicine, advanced practice nursing and the baccalaureate level nursing in conducting comprehensive health assessments.
2. Examine physiological and psychosocial factor which influence the health of individuals.
3. Integrate biological, psychological, socio-cultural and environmental data into a comprehensive, systematic health assessment.
4. Utilized skills appropriate to the age and health status of the client in performing a comprehensive assessment and exam.
5. Incorporate knowledge about racial and ethnic groups into the comprehensive assessment and plan of care.
6. Synthesize health assessment data for oral or written formats for specified settings.
7. Analyze subjective and objective data obtained during the assessment process to interpret the meaning of normal and abnormal findings relative to underlying pathophysiological changes.
8. Critique the literature related to selected nursing interventions to determine the applicability of the findings in practice.
9. Explore nursing interventions including complementary therapies for selected health and illness conditions.
10. Provide rationale for the choice of selected nursing interventions and complementary therapies for specific conditions/populations.

NURS 5222: Advanced Human Physiology (2 cr.)

Description:
This course will use a systems approach to human physiology and physiologic changes across life span. Emphasize clinical application using population-specific content related to various specialty areas in advanced practice nursing.

Objectives:
1. Describe clinically important cellular processes especially gene expression, signal transduction, synaptic transmission, blood clotting, inflammation, mitosis, meiosis, fetal development, and aging.
2. Describe normal physiological mechanisms for maintenance of homeostasis.
3. Compare and contrast physiological changes across the lifespan.

NURS 5226: Advanced Human Physiology (2 cr.)

Description:
This course will use a systems approach to human pathophysiology across the life span. Emphasize clinical application using population-specific content.

Objectives:
In classroom, clinical, and simulated situations, the student will:

1. Synthesize and apply clinically important pathophysiological cellular processes especially gene expression, epigenetics, alterations in signal transduction, blood clotting disorders, alterations of blood flow, alterations in immune response and inflammation, alterations in reproductive functions and fetal development.
2. Describe the pathophysiological mechanisms for interruption of homeostasis in major disease states.
3. Predict the signs and symptoms that result when the body is not able to maintain homeostasis for major disease states like heart failure, AIDS, renal failure, functional bowel disorders, hyper and hyposecretion disorders and diabetes.

NURS 5228: Pharmacology for Advanced Practice Nursing (2 cr.)

Description:
Basic overview of pharmacological principles for commonly used medication classes. Includes an overview of each drug class, a review of related physiology, and the pharmacodynamics and pharmacokinetics of drug classes and specific medications.

Objectives:

1. Discuss the principles of pharmacokinetics and pharmacodynamics as they relate to drugs commonly encountered in the acute care setting.
2. Synthesize current drug information from multiple reference sources.
3. Evaluate how clinical and adverse effects of drugs relate to primary or secondary mechanisms of drug action.
4. Recognize signs and symptoms of drug interactions in patients.
5. Analyze how non-drug related factors, such as patient compliance, concurrent illness and patient age can influence clinical outcome and occurrence of adverse effects.

NURS 5229: Clinical Pharmacotherapeutics (3-4 cr.)

Description:
This course focuses on pharmacokinetics, pharmacodynamics, therapeutic dosages for various age groups, client patterns of drug use, prescriptive privileges, and prescription writing for advanced practice nurses.

Objectives:

1. Describe the most frequently used classifications of medications.
2. Analyze factors contributing to patterns of medication use with individuals of various age groups.
3. Utilize research findings to evaluate the influence of age, gender, culture, health status and pregnancy on pharmacotherapeutics.
4. Apply research-based principles of pharmacotherapy in determining the appropriate drug therapy for selected client conditions.
5. Demonstrate understanding of pharmacotherapeutics in formulating a treatment plan for selected client conditions.
6. Incorporate principles of client education in pharmacotherapeutics.
7. Discuss the impact of prescriptive authority regulations on advanced nursing practice.

NURS 6110: Epidemiology in Nursing (2 cr.)

Description:
This course is designed for nurses in leadership positions to utilize basic epidemiological principles to assess the determinants of health and their outcomes in populations. Case studies are incorporated to demonstrate the application of epidemiological concepts.

Objectives:

1. Describe the role of nursing in epidemiology
2. Utilize epidemiological methods to address the relationship between determinants of health and health outcomes
3. Analyze concepts of disease occurrence in populations

NURS 6200: Science of Nursing Interventions (3 cr.)

Description:
Examination of theoretical structures and application to clinical practice problems.

Objectives:

At the completion of the course, the student will be able to:

1. Articulate foundations of nursing knowledge.
2. Evaluate theoretical structures that support nursing research and practice.
3. Analyze the theoretical structure of a nursing research study.
4. Apply a theoretical structure to a nursing practice issue.

NURS 7200: Healthcare Economics (3 cr.)

Description:

Economic theories of health care are examined in relation to health disparities and global health. Financing strategies and payment systems are explored with special emphasis on their effect on the doctor of nursing practice.

Objectives:

1. Explain how basic economic principles are applied in health care markets.
2. Analyze economic issues affecting the practice of nursing using basic economic analytic tools.
3. Use health economic policies and procedures for the advancement of the practice of nursing.

NURS 7202: Moral and Ethical Positions and Actions in Nursing (2 cr.)

Description:

Emphasis on normative ethics, theoretical underpinnings for positions taken, and contextual implications for subsequent action. Examination of morally defensible positions on health-related issues and corresponding actions from the perspective of nursing.

Objectives:

1. Critique selected theoretical perspectives frequently used for the resolution of ethical issues in health care.
2. Analyze the ways selected issues may be defined and experienced as moral conflict by various stakeholders.

3. Examine the moral defensibility of alternative positions that various moral agents might hold and the corresponding actions they could take to resolve moral conflict.
4. Analyze, from an ethical perspective, inequities in health and health care that exist in the U.S. and internationally.

NURS 7300: Program Evaluation (3 cr.)

Description:
A critical analysis of models and methods for practical program evaluation for professionals in leadership roles to use to design evaluation strategies, engage stakeholders, demonstrate outcomes achievement, and disseminate findings in their work/program environment.

Objectives:
In classroom, and simulated situations, the student will:

1. Analyze models of program development in order to identify the essential elements of effective program evaluation.
2. Explain factors involved in designing an evaluation study, such as validity and reliability, and instruments used to collect data, and program monitoring.
3. Compare methods for interpreting and disseminating data.
4. Analyze economic, political, ethical, diversity and measurement issues that may impact the effectiveness of programs.
5. Evaluate methods of program evaluation for appropriateness of design and fit with a program's goals and objectives.
6. Create a plan for program evaluation based on understanding of the essential elements

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NURS 7400: Health Policy Leadership (3 cr.)

Description:
Acquisition of policy leadership/advocacy principles and skills and engagement in the process of organizational and governmental health policy development to transform health care delivery, promote equitable distribution of health care resources, address health disparities, and improve population health.

Objectives:

1. Explain basic health policy concepts, principles, and options for achieving selected health service goals and their likely consequences.
2. Examine historical, political, economic, and cultural contexts of U.S. policy-making in health.

3. Compare and contrast spans of influence and appropriate interventions to influence various levels of health policy (e.g. organizational or governmental; local, state, or federal; executive branch or legislative branch).
4. Analyze the health status of the general U.S. population as well as root causes for health disparity patterns among subpopulations.
5. Create products that demonstrate competence in acquired health policy advocacy skills (E.g. submitting a formal comment, analyzing a policy issue, writing an objective policy brief, and presenting a concise elevator speech about a specific policy topic).

NURS 7600: Nursing Research and Evidence-Based Practice (4 cr.)

Description:
Examination of evidence based nursing including types and levels of evidence, research process, critique, and synthesis of research studies, and the science of implementation.

Objectives:
In classroom, clinical, and simulated situations, the student will:

1. Articulate the components and processes of an evidence based nursing practice.
2. Acquire core skills in the identification, acquisition, evaluation, and synthesis of clinical evidence.
3. Identify key elements of the research process.
4. Demonstrate critical thinking through critique and synthesis of research studies.
5. Develop basic knowledge of implementation science including translation of quality evidence into clinical practice for improved patient outcomes.

NURS 7610: System and Leadership Innovation (3 cr.)

Description:
This course is the foundational course for the DNP with a focus in health innovation and leadership, integrating whole systems thinking, relevant theories and generative leadership to enhance the student's ability to advance innovation and achieve sustainable change in contemporary health care settings.

Objectives:

1. Apply the concepts of whole systems thinking to health care

2. Incorporate knowledge of contemporary theories of innovation and leadership in identifying opportunities for change.
3. Analyze the research on individual and organizational factors that influence innovation.
4. Develop and promote a compelling recommendation of change, identifying potential barriers and strategies for achieving the goal(s).
5. Analyze own leadership style and strengths in the context of generative leadership concepts and principles.
6. Expand skills in creativity and innovation

NURS 7900: Scholarly Teaching and Learning in Nursing (3 cr.)

Description:
Critical analysis of evidence about essential elements that comprise effective teaching and learning in order to design innovative teaching-learning models and create educational experiences that facilitate achievement of desired learner outcomes in nursing.

Objectives:
1. Evaluate conceptual frameworks for teaching and learning in nursing.
2. Critique research about attributes of diverse teachers and learners that affect the teaching-learning process in nursing.
3. Design effective learning experiences for students in nursing using selected learning theories and models of effective teaching.
4. Critically analyze elements of the teaching-learning process in order to develop context-appropriate lesson and course plans.
5. Critique strengths and limitations of various types of evidence typically used to evaluate teaching effectiveness.
6. Use evaluation theory to frame assessment of student achievement of learning outcomes in lessons, courses and programs.
7. Explore the types of activities and methods that comprise the scholarship of teaching.

Graduate Level Statistics (3-4 cr.)

Objectives:

1. have an understanding of the foundational concepts of data, variation and inference
2. be able to think critically about statistics used in popular magazines, newspapers, and journal articles
3. be able to apply the knowledge gained in the course to analyze simple statistics used in research
4. be able t0 answer research questions involving a large dataset, use a statistical software package to analyze the data, and appropriately report the conclusions from these investigations.

The course must be at the graduate level and include t-tests, chi-square tests, and regression.