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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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<tr>
<td>NURS 505</td>
<td>Reading and Conference</td>
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<th>Credits</th>
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**Course Outcome**

**Prerequisite**

None

**Corequisite**

1
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<td>Corequisite</td>
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### Description

This course is designed as an overview of fundamental principles classroom and clinical teaching applied to the education of nurse-midwives. Content will include principles of adult learning, teaching and learning styles, clinical supervision and mentoring, competency based education and evaluation of learning. Required for all nurse-midwifery students.

### Course Outcome

At the conclusion of this course, the student will be able to:

1. Analyze principles of adult learning and competency-based education as they apply to the classroom and clinical teaching of nurse-midwifery students.
2. Develop curricular materials and evaluation strategies in a defined area of midwifery practice
3. Analyze teaching/learning styles and techniques and their impact upon clinical mastery of nurse-midwifery content, clinical judgement and psychomotor skills

### Prerequisite

None

### Corequisite

None
NURS 507D
Practicum in Nurse-Midwifery Education

Total Credits 2

Description
The course is designed to provide practicum experience in nurse-midwifery education for second year nurse-midwifery students. Students will be given the opportunity, with direct supervision of faculty, to develop and present classroom materials, to supervise first year students in selected clinical situations, and to develop both classroom and clinical evaluation tools.

Course Outcome

Prerequisite
None

Corequisite

4
NURS 509

Total Credits 12

Advanced Clinical Practicum

Description
Course description to be developed between faculty and student taking this clinical practicum. Open number for practicum hours to be counted in program of study for academic credit. Does not replace required practicum in specialty program of study. Used for special situations in which a student requires additional practicum hours to be counted for academic credit.

Course Outcome

Prerequisite
None

Corequisite

### Description

This practicum course develops and refines a student's competency in managing: a caseload, a population, an educational program, or health services. Within one of these contexts, the student takes a role in initiating, managing, or sustaining collaborative efforts related to change and improvement of health services. This practicum may be taken for variable credit.

### Course Outcome

1. Refine the use of various processes such as consultation, collaboration and negotiation in order to establish a leadership role in addressing a community-defined population need.

2. Use change strategies to implement changes in nursing education, nursing practice, or in health services based on an analysis of significant organizational or system processes and relationships that facilitate or impede change efforts.

3. Contribute to interdisciplinary efforts directed toward improvement of community health services.

### Prerequisite

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<th>NURS</th>
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<td>Total Credits</td>
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### Corequisite

6
Curriculum Report
10/3/2014

NURS 509AA/609AA
Practicum in Teaching

Total Credits 3

Description
This course provides students with the opportunity to design, implement, and evaluate a variety of learning experiences appropriate to the course environment and outcomes expected of the designated learners. Opportunity to use several different teaching modalities will be provided, including classroom, seminar, clinical, laboratory and online.

Course Outcome
At the completion of NURS 509AA/students will:
1. Design, implement and evaluate appropriate learning activities for a designated student group.
2. Develop, implement and evaluate learning activities in two or more modalities.
In addition, students enrolled in NURS 609AA will be able to:
3. Reflect on teaching experiences, identifying teaching practices that were effective, and which need some improvement, linking experience to literature on teaching learning.

Prerequisite
NURS 561/661, NURS 562/662, NURS 564/664, or permission of instructor

Corequisite
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**Pharmacological Management Practicum for Clinical Nurse Specialists or Nurse Practitioners Seeking Prescriptive Privileges**

**Description**
This practicum course focuses on supervised clinical practice in the pharmacological management of individual clients, as well as other learning activities to promote understanding of pharmacological interventions.

**Course Outcome**
Provide pharmacological interventions to treat a full range of illnesses and health conditions in one’s area of clinical specialty.

a) Use appropriate assessment and diagnostic data to diagnose signs and symptoms of illnesses and health conditions.

b) Prescribe medications for the identified illness or health condition based on current understanding of etiology and risk-benefit analysis, as well as research and clinical evidence.

c) Write prescriptions with all required components.

d) Consider individual characteristics of each patient, including culture, belief system, spirituality, ethnicity, gender, age and co-morbidities in conducting assessments, planning interventions and providing patient education.

e) Obtain relevant baseline data and provide follow up monitoring of medication interventions, including all relevant laboratory findings.

f) Evaluate the impact of pharmacological interventions on outcomes of care, and adjust intervention strategies according to outcome evaluation.

**Prerequisite**
Successful completion of pharmacology, physical assessment, and pathophysiology courses meeting OSBN Division 56 requirements. Appropriate specialty-specific prerequisites. Unencumbered Oregon Clinical Nurse Specialist or Nurse Practitioner limited or full certificate. Approval of Pharmacological Management Practicum Plan and objectives by OHSU School of Nursing faculty. OSBN limited license for prescriptive practicum. Permission of instructor.

**Corequisite**
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**Clinical Practica with Psychiatric Mental Health Clients**

**Description**
This course provides an opportunity for graduate students to apply concepts from didactic coursework into clinical practice with psychiatric mental health clients, their families and/or community, according to their defined scope of practice. Students are responsible for defining a set of clinical goals for each practicum and identifying a setting and preceptor to assist with accomplishing those goals.

**Course Outcome**
1. Develop clinical competency in administering and interpreting the results of a variety of psychiatric mental health clinical assessment tools.
2. Apply advanced clinical knowledge to the design, implementation, evaluation and teaching of clinical care.

**Prerequisite**
Successful completion of required Psychiatric Mental Health Nurse and Nursing Education courses

**Corequisite**
## Description
This laboratory course is designed to compliment the didactic course, Basic Principles of Anesthesia I, by providing students with hands on experiences in a controlled simulated clinical environment.

## Course Outcome
Students will be able to demonstrate skill in the following areas:
1. Pre-operative patient evaluation, Health and Physical presentation
2. Patient monitoring and positioning, basic OR table operation
3. Assessment and management of patient airway
4. Anesthesia gas machine check and cart set-up
5. Intravenous catheter and arterial line placement
6. Pre-operative evaluation and risk assessment
7. Development of the anesthesia plan

## Prerequisite
Admission to Nurse Anesthesia Program Concurrent: NURS 531

## Corequisite

Basic Principles of Anesthesia II Lab

Total Credits 1

Description
This laboratory course is designed to complement the didactic portion Basic Principles of Anesthesia II by providing students with hands-on experiences in a controlled simulated clinical environment. Highly structured clinical opportunities will be provided to allow integration of simulated acquired skills into real-time patient care experiences.

Course Outcome
Students will be able to demonstrate skill in the following areas:
1. Perform anesthesia induction sequencing at a basic skill level.
2. Safely manage basic anesthesia for patients throughout the peri-operative period.

Prerequisite
NURS 509CA, NURS 531 Concurrent: NURS 532

Corequisite
Advanced Principles of Anesthesia I Lab

Total Credits 2

Description
This laboratory course is designed to complement the didactic portion Advanced Principles of Anesthesia I by providing students with hands on experiences in a controlled simulated clinical environment. Highly structured clinical opportunities will be provided to allow integration of simulated acquired skills into real time patient care experiences.

Course Outcome
Students will be able to demonstrate skill in the following areas:
1. Planning, implementing and evaluating an anesthetic plan of care for diverse patient populations requiring a variety of specialty surgical procedures.
2. Integration of evidence based research findings into the anesthesia plan of care for diverse patients requiring a variety of specialty surgical procedures.

Prerequisite
NURS 509CB, NURS 532 Concurrent: NURS 533
NURS 509CD

Advanced Principles of Anesthesia II Lab

Total Credits 2

Description
This laboratory course is designed to complement the didactic portion Advanced Principles of Anesthesia II by providing students with hands on experiences in a controlled simulated clinical environment. Highly structured clinical opportunities will be provided to allow integration of simulated acquired skills into real time patient care experiences.

Course Outcome
Students will be able to demonstrate skill in the following areas:
1. Planning, implementing and evaluating an anesthetic plan of care for highly specialized patients, problems and conditions.
2. Integration of evidence based research findings into the anesthesia plan of care for highly specialized patients, problems and conditions.

Prerequisite
NURS 509CC, NURS 533 Concurrent: NURS 534

Corequisite
Advanced Clinical Practicum in Anesthesia I

Total Credits 6

Description
This initial clinical practicum course introduces the student to the practice of nurse anesthesia in the clinical setting. Under direct supervision, students acquire the basic and advanced knowledge and skills that will serve as the foundation for nurse anesthesia clinical practice. Topical seminars utilize evidence-based research to enhance students’ nurse anesthesia knowledge development.

Course Outcome
1. Define concepts and theories of basic and advanced biophysical and psycho-social principles in the delivery of anesthesia care for patients with common pathophysiological conditions and co-existing diseases.
2. Relate basic and advanced biophysical and psychosocial principles, including physiological alterations and therapeutic drugs, in the planning, implementation and evaluation of the anesthesia management of patients with common pathophysiological conditions and co-existing diseases.
3. Under direct supervision, the novice student will demonstrate basic level of knowledge and skills in the care of ASA Classification type I and II patients in the following areas:
   - Pre-operative assessment and development of a care plan
   - Equipment selection and preparation
   - Airway evaluation and management
   - Selection and use of monitoring modalities
   - Rational selection and use of pharmacologic agents
   - Induction, maintenance, and emergence sequencing
   - Accurate and timely documentation
   - Fluid management and patient positioning
   - Interpretation of pertinent lab data
   - Monitored anesthesia care (IV sedation) techniques
   - Continuity of care in the peri-operative setting

Prerequisite
NURS 509CD, NURS 534, and NURS 537

Corequisite
Advanced Clinical Practicum in Anesthesia II

Total Credits 12

Description
This second clinical practicum course expands the student’s understanding of the practice of nurse anesthesia in the clinical setting. With continual guidance, students apply basic and advanced knowledge and skills necessary for daily nurse anesthesia clinical practice. Topical seminars utilize evidence-based research to enhance students’ nurse anesthesia knowledge development.

Course Outcome
1. Describe concepts and theories of basic and advanced biophysical and psycho-social principles in the delivery of anesthesia care for patients with common pathophysiological conditions and co-existing diseases.
2. Select basic and advanced biophysical and psychosocial principles, including physiological alterations and therapeutic drugs, in the planning, implementation and evaluation of the anesthesia management of patients with common pathophysiological conditions and co-existing diseases.
3. With continual guidance, the novice student will demonstrate basic level of knowledge and skills in the care of ASA Classification type I and II patients in the following areas:
   - Pre-op assessment and development of care plan
   - Equipment selection and preparation
   - Airway evaluation and management
   - Selection and use of monitoring modalities
   - Rationale, selection and use of pharmacologic agents
   - Induction, maintenance and emergence sequencing
   - Accurate and timely documentation
   - Fluid management and patient positioning
   - Interpretation of pertinent lab data
   - Monitored anesthesia care (IV sedation) techniques
   - Continuity of care in the peri-operative setting

Prerequisite
NURS 509CE

Corequisite
Description
This third clinical practicum course enhances the student’s understanding of the practice of nurse anesthesia in the clinical setting. With moderate guidance, students begin to integrate advanced knowledge and skills necessary for daily nurse anesthesia clinical practice. Topical seminars utilize evidence-based research to enhance students’ nurse anesthesia knowledge development.

Course Outcome
1. Apply concepts and theories of basic and advanced biophysical and psycho-social principles in the delivery of anesthesia care for patients with uncommon/advanced pathophysiological conditions and co-existing diseases.
2. Employ specialized advanced biophysical and psychosocial principles, including physiological alterations and therapeutic drugs, in the planning, implementation and evaluation of the anesthesia management of patients with common pathophysiological conditions and co-existing diseases.
3. With moderate guidance, the advanced beginner student will demonstrate basic level of knowledge and skills in the care of ASA Classification type I, II, III, IV, and V patients in the following areas:
   - Pre-op assessment and development of care plan
   - Equipment selection and preparation
   - Airway evaluation and management
   - Selection and use of monitoring modalities
   - Rationale, selection and use of pharmacologic agents
   - Induction, maintenance and emergence sequencing
   - Accurate and timely documentation
   - Fluid management and patient positioning
   - Interpretation of pertinent lab data
   - Monitored anesthesia care (IV sedation) techniques
   - Continuity of care in the peri-operative setting

Prerequisite
NURS 509CF

Corequisite
16
Description
This fourth clinical practicum course refines the student’s understanding of the practice of nurse anesthesia in the clinical setting. With minimal guidance, students integrate advanced knowledge and skills necessary for daily nurse anesthesia clinical practice. Topical seminars utilize evidence-based research to enhance students’ nurse anesthesia knowledge development.

Course Outcome
1. Analyze concepts and theories of basic and advanced biophysical and psycho-social principles in the delivery of anesthesia care for patients with uncommon/advanced pathophysiological conditions and co-existing diseases.
2. Examine specialized advanced biophysical and psychosocial principles, including physiological alterations and therapeutic drugs, in the planning, implementation and evaluation of the anesthesia management of patients with common pathophysiological conditions and co-existing diseases.
3. With minimal guidance, the advanced beginner student will demonstrate basic level of knowledge and skills in the care of ASA Classification type I, II, III, IV, and V patients in the following areas:
   - Pre-op assessment and development of care plan
   - Equipment selection and preparation
   - Airway evaluation and management
   - Selection and use of monitoring modalities
   - Rationale, selection and use of pharmacologic agents
   - Induction, maintenance and emergence sequencing
   - Accurate and timely documentation
   - Fluid management and patient positioning
   - Interpretation of pertinent lab data
   - Monitored anesthesia care (IV sedation) techniques
   - Continuity of care in the peri-operative setting

Prerequisite
NURS 509CG

Corequisite

17
Advanced Clinical Practicum in Anesthesia V

Total Credits: 12

Description
In this final clinical practicum course the student synthesizes understanding of the practice of nurse anesthesia in the clinical setting. With rare prompting, students integrate and evaluate the advanced knowledge and skills necessary for daily nurse anesthesia clinical practice. Topical seminars utilize evidence-based research to enhance students’ nurse anesthesia knowledge development.

Course Outcome
1. Compare concepts and theories of basic and advanced biophysical and psycho-social principles in the delivery of anesthesia care for patients with uncommon/advanced pathophysiological conditions and co-existing diseases.

2. Evaluate the utility of specialized advanced biophysical and psychosocial principles, including physiological alterations and therapeutic drugs, in the planning, implementation and evaluation of the anesthesia management of patients with common pathophysiological conditions and co-existing diseases.

3. With little prompting, the student will demonstrate competence in the care of ASA Classification type I, II, III, IV, and V patients in the following areas:
   - Pre-op assessment and development of care plan
   - Equipment selection and preparation
   - Airway evaluation and management
   - Selection and use of monitoring modalities
   - Rationale, selection and use of pharmacologic agents
   - Induction, maintenance and emergence sequencing
   - Accurate and timely documentation
   - Fluid management and patient positioning
   - Interpretation of pertinent lab data
   - Monitored anesthesia care (IV sedation) techniques
   - Continuity of care in the peri-operative setting

Prerequisite
NURS 509CH

Corequisite
### Course Description

This course provides the potential for clinical placements in students’ home communities throughout the year, dependent on appropriate supervision. In addition, clinical intensives will be offered in specialty clinics at the OHSU Portland campus and will provide opportunities for in-depth advanced practice experiences with clients experiencing a variety of conditions, including dementia, depression, frailty, incontinence, and end-of-life issues.

### Course Outcome

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

**Nursing Education Students**
- Develop clinical competency in administering and interpreting the results of a variety of geriatric assessment tools.

**Advanced Practice Students**
- Develop clinical competency in the assessment and management of common geriatric syndromes.

### Prerequisite

None

### Corequisite

None
### Description

Based on extending the learner's skill set, the student will be advised and guided through a variety of practice settings. The students prior to this course will be assessed based on the MN Program General Competencies, the MN Health Systems and Organizational Leadership Competencies, and the Master's Essentials Competencies. Appropriate Leadership settings will be selected to allow the student to complete or extend their competencies. Course may be retaken for a total of 7 credits over the course of the program.

### Course Outcome

On successful completion of this course, the student will be able to meet the following MN Program Competencies:

**General Competencies – Masters’ in Nursing**

1. Demonstrate advanced knowledge in a specialty area of nursing practice.
2. Uses emerging information technologies to access current research and health care data.
3. Critically evaluate evidence to make sound and ethically grounded clinical judgments.
4. Demonstrate the leadership skills essential for influencing organizational policy and improving patient care outcomes.

**Competencies – Health Systems and Organizational Leadership**

1. Apply advanced knowledge of nursing and health systems theories to positively impact organizational, care delivery and policy outcomes at a population level.
2. Integrate nursing and health systems knowledge in leading and advocating for the design, implementation, and improvement of sustainable person-center practice models.
3. Maximize the use of human capital to impact clinical care, quality outcomes, and evidence-based policies within complex adaptive health systems.
4. Use information, quality science, and knowledge management tools to make sound and ethical decisions that advance interprofessional and collaborative health services practice.

On successful completion of this course, the student will be able to meet the following Master's Essentials:

**Essential I: Background for Practice from Sciences and Humanities**

1. Recognizes that the master's-prepared nurse integrates scientific findings from nursing, biopsychosocial fields, genetics, public health, quality improvement, and organizational sciences for the continual improvement of nursing care across diverse settings.

**Essential II: Organizational and Systems Leadership**

1. Recognizes that organizational and systems leadership are critical to the promotion of high quality and safe patient care. Leadership skills are needed that emphasize ethical and critical decision making, effective working relationships, and a systems-perspective.
2. Essential III: Quality Improvement and Safety: Recognizes that a master's-prepared nurse must be articulate in the methods, tools, performance measures, and standards related to quality, as well as prepared to apply quality principles within an organization.
3. Essential IV: Translating and Integrating Scholarship into Practice: Recognizes that the master's-prepared nurse applies research outcomes within the practice setting, resolves practice problems, works as a change agent, and disseminates results.
4. Essential V: Informatics and Healthcare Technologies: Recognizes that the master's-prepared nurse uses patient-care technologies to deliver and enhance care and uses communication technologies to integrate and coordinate care.
5. Essential VI: Health Policy and Advocacy: Recognizes that the master's-prepared nurse is able to intervene at the system level through the policy development process and to employ advocacy strategies to influence health and health care.
6. Essential VII: Interprofessional Collaboration for Improving Patient and Population Health Outcomes: Recognizes that the master's-prepared nurse, as a member and leader of interprofessional teams, communicates, collaborates, and consults with other health professionals to manage and coordinate care.
7. Essential VIII: Clinical Prevention and Population Health for Improving Health: Recognizes that the master's-prepared nurse applies and integrates broad, organizational, client-centered, and culturally appropriate concepts in the planning, delivery, management, and evaluation of evidence-based clinical prevention and population care and services to individuals, families, and aggregates/identified populations.
8. Essential IX: Master’s-Level Nursing Practice: Recognizes that nursing practice, at the master’s level, is broadly defined as any form of nursing intervention that influences healthcare outcomes for individuals, populations, or systems. Master’s-level nursing graduates must have an advanced level of understanding of nursing and relevant sciences as well as the ability to integrate this knowledge into practice. Nursing practice interventions include both direct and indirect care components.

### Prerequisite

Graduate Standing

### Corequisite

20
**Description**

In the collaborative forum of N509K, students will synthesize the knowledge and skills they acquire throughout their program of study. This synthesis will serve to prepare the student to enact the role of PMHNP in diverse clinical settings with a variety of psychiatric patient populations. Case presentations will form the basis of instruction, with journal discussions, process recordings and/or role play, and relevant topics infused throughout the term. Students will also discuss general issues that arise in their concurrent clinical placements.

**Course Outcome**

1. Develop therapeutic relationships as a basis for assessment and for delivering evidence-based interventions to adults.
2. Conduct psychiatric evaluations and diagnose common mental health problems and psychiatric disorders in adults.
3. Develop a comprehensive diagnostic formulation of factors affecting the functioning of a family system.
4. Utilize evidence-based therapeutic models when intervening with individuals or groups, or when making treatment recommendations.
5. Provide psychopharmacological interventions to treat symptoms of a full range of psychiatric illnesses in adults.
6. Integrate the role of substance use and abuse into assessment, diagnosis, treatment and evaluation of outcomes for adults.
7. Document and communicate psychiatric evaluation, intervention, and follow up data in a retrievable form.
8. Demonstrate professional accountability through collaborative education and communication with the interdisciplinary team and system of care.
9. Implement relevant and ethical strategies for mental health care delivery for a specific community or population.
10. Obtain supervision/consultation to enhance one’s own ability to deliver safe and effective therapeutic interventions.

**Prerequisite**

Admission to the PMHNP program and completion of 571A or faculty permission.

**Corequisite**
Description
In the collaborative forum of N509KC, students will synthesize the knowledge and skills they acquire throughout their program of study. This synthesis will serve to prepare the student to enact the role of PMHNP in diverse clinical settings with a variety of psychiatric child/adolescent populations. Case presentations will form the basis of instruction, with journal discussions, process recordings/role play, and relevant topics infused throughout the term. Students will also discuss general issues that arise in their concurrent clinical placements.

Course Outcome
Course Competencies for N509KC:
1. Develop therapeutic relationships as a basis for assessment and for delivering evidence-based interventions to children, adolescents and families.
2. Conduct psychiatric evaluations and diagnose common mental health problems and psychiatric disorders in children and adolescents.
3. Develop a comprehensive diagnostic formulation of factors affecting the functioning of a family system.
4. Utilize evidence-based therapeutic models when intervening with children, adolescents, and/or the family system, or when making treatment recommendations.
5. Provide psychopharmacological interventions to treat symptoms of a full range of psychiatric illnesses in children and adolescents.
6. Integrate the role of substance use and abuse into assessment, diagnosis, treatment and evaluation of outcomes for children and adolescents.
7. Document and communicate psychiatric evaluation, intervention, and follow up data in a retrievable form.
8. Demonstrate professional accountability through collaborative education and communication with the interdisciplinary team and system of care *
9. Implement relevant and ethical strategies for mental health care delivery for a specific community or population
10. Obtain supervision/consultation to enhance one’s own ability to deliver safe and effective therapeutic interventions.

Prerequisite
Admission to the PMHNP program and completion of NURS 571A or faculty permission.

Corequisite
**Description**

This course focuses on clinical application of content from NURS 584: Antepartum and Postpartum Management. Students will have weekly clinical experiences in various sites under the direct supervision of clinical faculty. Weekly clinical seminars will be used to synthesize and integrate theoretical and research perspectives with the clinical aspects of patient care.

**Course Outcome**

- Collect, organize, and accurately interpret a complete data base to differentiate between normal and abnormal processes in the antepartum and postpartum periods.
- Develop and prioritize a comprehensive plan of care using appropriate scientific rationale, institutional practices, and intuitive knowledge.
- Demonstrate competence in the appropriate use and application of all psychomotor skills and procedures needed to gather data and apply clinical interventions in the antepartum and postpartum management of women.
- Demonstrate appropriate consultation, collaboration, and referral with other members of the health care team.
- Utilize effective and sensitive oral and written communication skills to enhance the assessment and care of women and families in the antepartum and postpartum periods.
- Demonstrate personal accountability and professional behavior with clients, families, and health care team colleagues, including accountability/responsibility for own actions, respect and tolerance for others or divergent views, initiate, self-directed learning, and critique of own practice.
- Required for Nurse-Midwifery

**Prerequisite**

Prerequisites: NURS 584

**Corequisite**
Practicum in Nurse-Midwifery Management of the Intrapartum Period

Total Credits 3

Description
This course focuses on clinical application of content from NURS 581: Nurse-Midwifery Management of the Intrapartum Period. Students will continue the previous term’s work in antepartum management while adding clinical experience in inpatient assessment and the management of labor and delivery. Weekly clinical seminars will be used to synthesize theoretical and research perspectives with clinical aspects of patient care using exemplars from student experiences. Students will be assigned to one of the nurse-midwifery faculty practice sites and will work under direct faculty supervision.

Course Outcome
Upon completion of the course the student will be able to:
1. Collect, organize, and interpret a complete data base including material available from the medical record, past health history, interval history, physical examination, and laboratory results.
2. Identify deviations from normal and potential problems related to pregnancy, labor, birth, and the immediate post partum period.
3. Identify and prioritize a comprehensive plan of care based upon scientific rationale and institutional practice.
4. Implement, evaluate, and revise management plans independently and appropriately.
5. Demonstrate safe and appropriate psychomotor skills related to intrapartum management
6. Recognize and respond safely in emergent intrapartum situation(s)
7. Provide professional, ethical, culturally sensitive, family-centered, individualized care with appropriate use of patients and consultants in the management process.
8. Communicate effectively with faculty, patients, staff, peers, and consultant, orally and in writing, as appropriate.

Prerequisite
NURS 581

Corequisite
NURS 509N

Total Credits 3

**Description**

This course focuses on clinical application of content from NURS 581: Nurse-Midwifery Management of the Intrapartum Period. Emphasis is on essential content basic to the provision of skilled intrapartum care as well as advanced skills. Continuing discussion of care for culturally diverse populations as well as care for persons with low-literacy skills is included.

**Course Outcome**

1. Apply nurse-midwifery knowledge, clinical skills, and judgments at an appropriate level congruent with the number and type of prior clinical experiences.
2. Communicate effectively with preceptor, co-workers, faculty, peers, patients, and patients support people.
3. Use knowledge of normal physiology, developmental concepts, physiologic alterations and deviations, parameters of normal, health status, cultural factors, and family dynamics in assessing and planning individualized patient and family care.
4. With preceptor assistance, plan and implement a research-based plan of care for relevant diagnoses, integrating theoretical and research-based principles and establishing priorities.
5. Begin to evaluate the outcomes of research-based strategies that are implemented in the clinical setting.

**Prerequisite**

NURS 509M

**Corequisite**
Practicum in Advanced Women’s Health Care Management

Total Credits 2

Description
This practicum is designed to build upon management and clinical skills in antepartum, postpartum, and gynecological areas for an advanced practicum experience. The course is intended to be taught over several terms, with an individualized plan of study designed in conjunction with the course coordinator. The site in which the practicum is conducted will reflect the student’s and course coordinator’s joint assessment of learning needs in preparation for the advanced practicum placement.

Course Outcome
1. Collect, organize and interpret a complete data base including material from the medical record, past health history, interval history, physical exam, as well as diagnostic studies and labs.
2. Recognize parameters of normal, identify deviations and detect signs of disease.
3. Identify a comprehensive plan of management and establish priorities.
4. Implement management plans based upon scientific rationale and institutional practice.
5. Evaluate and appropriately revise management plans.
6. Provide professional, ethical, culturally sensitive, family-centered, and individualized care with appropriate inclusion of client and consultants in the management process.
7. Communicate effectively with clients and colleagues using teaching, counseling, oral reports, and charting.

Prerequisite
NURS 515 A&B, NURS 518, and NURS 588

Corequisite
Curriculum Report

NURS 509P
Practicum in Nurse-Midwifery Management II

Total Credits 3

Description
This course focuses on clinical application of content from NURS 581: Nurse-Midwifery Management of the Intrapartum Period. Clinical seminars will be used to synthesize theoretical and research perspectives with clinical aspects of patient care using material from student experiences. Students will be assigned to clinical sites with preceptor guidance and faculty supervision. Required for Nurse-Midwifery students.

Course Outcome
1. Apply nurse midwifery knowledge, clinical skills, and judgment at an appropriate level congruent with the number and type of prior clinical experiences.
2. Communicate effectively with preceptor, co-workers, faculty, peers, patients, and patients' support people.
3. Utilize knowledge of normal physiology, developmental concepts, physiologic alterations and deviations, parameters of normal, health status, cultural factors, and family dynamics in assessing and planning individualized patient and family care.
4. With preceptor assistance, begin to plan and implement a research-based plan of care for relevant diagnoses, integrating theoretical and research-based principles and establishing priorities.
5. Begin to evaluate the outcomes of research-based strategies that are implemented in the clinical setting.
6. Provide individualized care that is professional, ethical, culturally sensitive, and family-centered.

Prerequisite
NURS 509N

Corequisite
Advanced Practicum in Nurse-Midwifery

Total Credits 9

Description
This advanced practicum experience provides an opportunity for the student to explore professional issues related to nurse-midwifery in an off-campus site. This experience is designed to develop breadth and depth in complex clinical decision making essential for beginning nurse-midwifery practice.

Course Outcome
1. Apply current theory and research within the full scope of nurse-midwifery practice.
2. Demonstrate advanced assessment and clinical decision-making skills in nurse-midwifery management.
3. Demonstrate independence and efficiency in clinical nurse-midwifery management.
4. Analyze professional and legal issues pertinent to the implementation of nurse-midwifery practice. (without changes)

Prerequisite
All midwifery course work.

Corequisite
Practicum in Family Primary Care Management I

Total Credits 2

Description
Health assessment, health promotion, and basic management of common illnesses are addressed in a variety of clinical settings appropriate to the student’s population focus. Clinical seminars are used to synthesize theoretical and evidence-based perspectives with clinical aspects of patient care using material from student experiences.

Course Outcome
1. Demonstrate critical thinking and diagnostic reasoning skills in clinical decision making
2. Demonstrate professional behaviors in oral and written forms, and collaborative relationships.
3. Assess and intervene to promote wellness and prevent disease
4. Integrate contextual variables in assessment and provision of care

Prerequisite
NURS 517, NURS 518

Concurrent: NURS 520

Corequisite
**Description**
This course will consist of an assigned clinical experience in a primary care setting under the guidance of an expert preceptor. The expectation for this second practicum will be for students to refine their history, physical exam, and differential diagnosis skills related to acute and common chronic problems of children, adults, and families. Weekly seminars will facilitate the reflection, synthesis, and integration of program course work and clinical experiences.

**Course Outcome**
1. Demonstrate critical thinking and diagnostic reasoning skills in clinical decision making.
2. Demonstrate professional behaviors in oral and written forms, and collaborative relationships.
3. Assess and intervene to promote wellness and prevent disease.
4. Integrate contextual variables in assessment and provision of care.

**Prerequisite**
NURS 509R  
Concurrent: NURS 521A
### Description
This course will consist of an assigned clinical experience in a primary care setting under the guidance of an expert preceptor. The expectations for this third practicum will be the continued refinement of history, physical exam, and differential diagnosis skills related to acute and chronic health problems of children, adults, and families. Emphasis will be placed on the development of clients’ management plans. Weekly seminars will facilitate the reflection, synthesis, and integration of program course work and clinical experiences.

### Course Outcome
1. Demonstrate critical thinking with diagnostic, management, and reasoning skills in the process of clinical decision-making.  
2. Demonstrate professional behaviors in oral and written forms, and establish collaborative relationships  
3. Assess and intervene to promote wellness and prevent disease.  
4. Integrate contextual variables in assessment and provision of care.

### Prerequisite
NURS 509S Concurrent: NURS 521B

### Corequisite
-
**Description**
This course will consist of an assigned clinical experience in a primary care setting under the guidance of an expert preceptor. Students will continue to refine their history, physical exam and differential diagnosis skills with an emphasis on high severity and complexity acute and moderate severity and complexity chronic problems. Clinical seminars will facilitate the reflection, synthesis and integration of coursework.

**Course Outcome**
For high severity/high complexity chronic problems across the lifespan
1. Obtain focused history
2. Conduct and interpret appropriate physical exam
3. Analyze history and physical exam data and develop a differential diagnosis
4. Identify and interpret appropriate diagnostic testing
5. Develop management plan (pharmacological, non-pharmacological, patient education) high severity/high complexity
6. Document complete and concise data using appropriate terminology
7. Communicate effectively using appropriate oral, written, and electronic modalities with preceptor, co-workers, faculty, peers, and patients to facilitate primary health care nursing practice.
8. Recognize the nurse practitioner role and scope of practice and seek appropriate consultation.

**Prerequisite**
NURS 509T Concurrent: NURS 521C

**Corequisite**
NURS 509V

Procedures for Primary Care Advanced Practice Registered Nurses (APRN)

Total Credits: 3

Description
Utilizing a mixture of seminars and lab sessions, this practicum introduces students to a range of diagnostic skills and procedures commonly used in primary care. Students explore the assessment and management of cases while learning relevant skills and procedures utilized in primary care.

Course Outcome
1. Identify the risks, benefits, and complications of commonly used diagnostic tests and procedures.
2. Differentiate urgent from emergent needs, manage acute conditions, and coordinate care for case-based clients with evolving medical problems.
3. Incorporate essential diagnostic criteria in the assessment of clients presenting with acute conditions.
4. Perform a variety of procedures commonly used in primary care: e.g., suturing, splinting, x-ray & 12 Lead ECG interpretation, eye, ear, and nose foreign body removal, punch biopsy.

Prerequisite
N517, N515A, N515B

Corequisite
Practicum in Family Primary Care Management

Total Credits: 3

Description
This course will consist of an assigned clinical experience in a primary care setting under the guidance of an expert preceptor. Students will continue to refine their history, physical exam and differential diagnosis skills with an emphasis on low severity/low complexity acute problems across the lifespan. Clinical seminars will facilitate the reflection, synthesis and integration of coursework.

Course Outcome
For low severity/low complexity acute problems across the lifespan
1. Obtain focused history
2. Conduct and interpret appropriate physical exam
3. Analyze history and physical exam data and develop a differential diagnosis
4. Identify and interpret appropriate diagnostic testing
5. Develop management plan (pharmacological, non-pharmacological, patient education)
6. Document complete and concise data using appropriate terminology
7. Communicate effectively using appropriate oral, written, and electronic modalities with preceptor, co-workers, faculty, peers, and patients to facilitate primary health care nursing practice.
8. Recognize the nurse practitioner role and scope of practice and seek appropriate consultation.

Prerequisite
NURS 509R

Corequisite
none
Intrapartum Practicum in Nurse-Midwifery

Total Credits: 2

Description
This course provides the less experienced midwifery student with the opportunity to obtain additional intrapartum midwifery management experience prior to entry into the second year of the program of study. The focus will be upon basic management skills, including psychomotor skills and clinical decision making. Semi-weekly clinical seminars will be used to analyze case studies and review clinical experiences. This course is required for students entering the midwifery program without either employment experience as an RN in labor and delivery or previous birth experience as a Direct Entry Midwife.

Course Outcome
1. Apply nurse-midwifery knowledge, clinical skills, and judgments at an appropriate level congruent with the number and type of prior clinical experiences.
2. Use knowledge of normal physiology, developmental concepts, physiologic alterations and deviations, parameters of normal, health status, culture, and family dynamics in assessing and planning individualized patient and family care.
3. With preceptor assistance, begin to plan and implement a research-based plan of care for relevant diagnoses, integrating theoretical and evidence-based principles and establishing priorities.
4. Communicate effectively with preceptor, co-workers, faculty, peers, patients.
5. Provide care that is professional, ethical, culturally-sensitive, family-centered, and individualized.
6. Begin to evaluate the outcomes of research-based strategies that are implemented in the clinical setting.

Prerequisite
NURS 581, NURS 509M

Corequisite

Description
This course focuses upon clinical application of content from Nurs585: Primary Care for Nurse Midwives. Students will be assigned to primary care clinical sites with preceptor guidance and faculty supervision. Clinical seminars will be used to synthesize theoretical and research perspectives with clinical aspects of patient care using material from student experiences. This is a required course for midwifery students.

Course Outcome
1. Systematically collect, organize and interpret health assessment data to determine the health status of clients with common health problems.
2. Communicate effectively using appropriate oral and written modalities with preceptor, co-workers, faculty, peers, and patients.
3. Utilize knowledge of normal physiology, development, parameters of normal health status, physiological alterations, family and cultural factors in assessing and planning individualized nurse-midwifery care.
4. With preceptor assistance, begin to plan and implement a research-based plan of care for relevant diagnoses, integrating theoretical and research-based principles and establishing priorities.
5. Begin to evaluate the outcomes of research-based strategies implemented in the clinical settings.

Prerequisite
NURS 515 A&B, NURS 517, NURS 519 A & NURS 519B  Concurrent: NURS 585

Corequisite
Health Assessment

Total Credits 3

Description
This course focuses on development of health assessment skills that inform clinical decision making and planning for clinical care. Students practice health assessment skills and use specific case-based exercises to hone their utilization and interpretation of diagnostic tests. Students are guided in how to make in-depth assessments of clients experiencing a variety of condition specific to their clinical focus.

Course Outcome
1. Conduct a culturally and age appropriate health assessment, and interpret health data, such as screening for biological and psychosocial health risks, evidence of safe and healthy habits, developmental tasks and vulnerabilities, family functioning. 2. Generate a repertoire of advanced assessment strategies using clinical tools to collect focused histories and then perform problem pertinent examinations. 3. Apply advanced decision making skills including evaluation, prioritization, differential diagnosis, documentation, and presentation of health assessment and physical examination data. 4. Develop a plan of care based on selected health assessments.

Prerequisite None  

Corequisite
The focus of this course is on the clinical use of drugs commonly used in a variety of settings. Principles of pharmacokinetics, pharmacodynamics and pharmacotherapeutics of selected categories of drugs are explored. Using a case study approach, this course examines current issues in pharmacology in at risk populations such as the under and over use of medications, the impact on self care from the use of vitamins and nutriceuticals, administration of medications in settings without licensed health care professionals such as schools, and assisted living facilities, population-level ramifications of patient refusal of mandated vaccinations, or to take prescribed psychotropic medications.

1. Describe the clinical implications of the pharmacokinetics and pharmacodynamics of selected categories of drugs.

2. Analyze the importance of how certain factors such as age, developmental physiology, and concurrent pathophysiology, psychopathology impact vulnerability to negative effects of specific classes of drugs.

3. Analyze methods to monitor and evaluate the effectiveness of drug therapy by focusing on skills to detect therapeutic response, side effects and adverse reactions, and drug interactions.

4. Discuss ethical issues involved in decision-making when managing drug choices for individuals raise concerns about rational medicine use (requires that patients receive medications appropriate to their needs in the proper dose to meet their requirements, for an adequate period of time and at the lowest cost to them and the community).
Description
This course will critically analyze the complexity of health disparities rooted in multiple levels of historic and contemporary inequities. These levels include health care systems, health policies and health care professionals. The critical thinking process throughout the course will emphasize ethical considerations. Existing multi-level intervention strategies aimed at eliminating health disparities will be assessed.

Course Outcome
1. Identify and analyze the scientific evidence supporting the existence of health disparities in the United States.
2. Discuss the social, racial, ethnic and economic determinants that influence health disparities.
3. Examine the healthcare environment (i.e. healthcare financing and organizational policies) and its relation to health disparities.
4. Examine levels of health policies (national to local) and their relation to health disparities.
5. Examine the contributions of health professionals to the maintenance of health disparities.
6. Analyze the multiple layers influencing health disparities from an ethical perspective.
7. Analyze and discuss system strategies to eliminate health disparities with attention to health care financing, health policy, health service delivery and health professional education.

Prerequisite
None

Corequisite
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**Health Promotion and Health Protection**

**Description**
This course emphasizes assessment and management of health promotion and protection with individuals, families, or communities throughout the lifespan. It examines research-based strategies, nursing interventions and theoretical frameworks for advanced nursing practice.

**Course Outcome**
1. Provide anticipatory guidance and counseling regarding wellness, lifestyle, disease risks, and potential changes in health status.

2. Develop health promotion and disease prevention programs, considering relevant population characteristics (e.g. age, development, risk, geographic location, culture, and socioeconomic status) and current research. Students will present a developed program in classroom format similar to formats used in the community for health promotion/prevention programs.

3. Recognize and provide appropriate health promotion/disease prevention information and services to clients with acute and chronic conditions.

4. Evaluate the scientific evidence available for existing protocols and guidelines for health promotion and health protection using current literature and research.

**Prerequisite**
None

**Corequisite**
Advanced Physiology/Pathophysiology I

Total Credits 3

Description
This foundational course uses physiological concepts as a basis for understanding pathophysiological processes across the life span. Pathophysiological processes are selected from those commonly encountered in advanced nursing practice and include both disease processes and non-disease-based processes (e.g., pain). Emphasis is placed on the physiological and pathophysiological base for managing clinical problems. A working knowledge of undergraduate anatomy, physiology, and pathophysiology is assumed.

Course Outcome
On completion of this course, you will be able to:
- Explain known relationships between etiological factors and pathophysiology of specific conditions selected for NURS 515A.
- Analyze pathophysiological processes involved in specific conditions selected for NURS 515A.
- Predict and explain clinical manifestations and functional consequences of specific pathophysiological processes selected for NURS 515A.
- Use the professional literature to understand physiological and pathophysiological processes at the advanced practice level.

Prerequisite
None

Crosslisted: CPH 512

Corequisite
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**Advanced Physiology/Pathophysiology II**

**Description**
This sequel to NURS 515A continues emphasis on the physiological and pathophysiological base for managing clinical problems. The course addresses additional pathophysiological processes.

**Course Outcome**
On completion of this course, you will be able to: 1. explain known relationships between etiological factors and pathophysiology of specific conditions selected for NURS 515B. 2. Analyze pathophysiological processes involved in specific conditions selected for NURS 515B. 3. Predict and explain clinical manifestations and functional consequences of specific pathophysiological processes selected for NURS 515B. 4. Use the professional literature to understand physiological and pathophysiological processes at the advanced practice level.

**Prerequisite**
NURS 515A

**Corequisite**
Curriculum Report 10/3/2014

NURS 516

Total Credits 2

Advanced Pharmacology for Primary Care

Description
Advanced pharmacology and clinical application of drugs commonly prescribed in primary care settings to include population specific drug choices, dosing, monitoring, evaluation and patient education.

Course Outcome
1. Apply advanced knowledge of pharmacotherapeutics to the selection of drug therapy for clients across the life span.
2. Modify drug therapy for selected populations.
3. Demonstrate understanding and rationale of therapeutic choices based on pharmacogenomics, pharmacokinetics, and pharmacoeconomics.
4. Apply principles of current evidence base practice to pharmacotherapeutic decision making with simple and complex patient populations.

Prerequisite
Graduate nursing student status and completion of NUR 519. Other students need permission from the course coordinator.

Corequisite
Curriculum Report

NURS 517
Health Assessment/Physical Diagnosis for Advanced Practice Nursing

Total Credits 4

Description
This course focuses on development of clinical decision-making skills in the process of health assessment. The course provides advanced theory in the assessment of an individual within the context of the family, psycho-social-cultural considerations, functional ability and developmental stage. The lab component includes hands-on advanced practice health assessment skills. In addition, students are introduced to appropriate utilization and interpretation of diagnostic tests.

Course Outcome
At the conclusion of this course, the student will be able to:
1. Demonstrate a comprehensive health assessment.
2. Use a repertoire of advanced assessment strategies, including extended exams and focused histories.
3. Apply advanced decision making skills including evaluation, prioritization, differential, documentation, and presentation of health assessment and physical diagnosis data.

Prerequisite
Concurrent: NURS 518 for some specialties

Corequisite
Description
This course focuses upon the application of research, theory, and knowledge relevant to the common health needs and psychosocial experiences of men and women in relation to their reproductive physiology. This course provides the basic knowledge and practice essential for the advanced practice nurse in the area of reproductive health. It is required for students in the midwifery and family nurse practitioner programs.

Course Outcome
1. Apply physiologic concepts in the reproductive health care of women and men
2. Analyze selected theories and concepts relevant to the genito-urinary care of essentially healthy men and women
3. Synthesize and apply knowledge relevant to the management of the reproductive health care needs of both men and women
4. Critique selected research literature addressing gynecologic, reproductive, contraceptive, and sexual health

Prerequisite
None

Corequisite
None
Details Report

NURS 519  
Principles of Pharmacology and Prescribing for Advanced Practice Registered Nurses

Total Credits 3

Description
This course applies the principles of pharmacology, including pharmacogenomics, pharmacokinetics and pharmacodynamics, by analysis of common drug classes prescribed by advanced practice nurses across the life span. Factors influencing successful therapy such as effectiveness, safety, acceptability, cost, genetic/environmental influences, alternative regimens, and patient behaviors will be integrated into patient decision-making exercises and discussion. This course is part one in a series which will be further met by specialty specific pharmacology in NURS 516, NURS 574A, NURS 574B, NURS 574C, NURS 533 and NURS 534.

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

1. Describe the clinical implications of the pharmacokinetics (bioavailability, volume distribution/loading dose, clearance/maintenance dose and half-life/steady state) and pharmacodynamics (the underlying processes affecting drug dosing and overall response) of selected drugs.
2. Analyze the importance of factors involved in pharmacotherapeutic decision-making, such as age, race, gender, diagnosis, severity of illness, genetics, co-morbidities, side-effects, culture, belief systems, literacy, living situations, lifestyle, cost and available alternatives.
3. Identify and apply the principles used for safe drug prescribing and individualization of therapy, including patient education, monitoring, and follow up to ascertain efficacy, adverse reactions and side effects.
4. Define and analyze the methods used for evaluation of outcomes of drug therapy in health care settings including therapeutic drug monitoring.
5. Generate methods for encouraging and monitoring patient adherence to the prescribed regimen.
6. Discuss federal and state regulation of drug-prescribing by advanced practice nurses.
7. Seek, evaluate and apply current research data in making evidence-based decisions regarding drug choices in given patient situations.
8. Appraise the ethical issues involved in the decision-making process when managing drug choices for appropriate patients within various health care settings.

Prerequisite
Graduate nursing student status. Other students need permission from the course coordinator.

Corequisite
### Description
This course focuses on clinical decision-making in the assessment and management of simple acute primary care health problems across the lifespan. Application of the process for clinical decision-making (i.e., hypothesis formulation and hypothesis testing) is made using common primary care problems.

### Course Outcome
1. Apply clinical decision making to common simple, acute/urgent primary care problems
2. Identify and utilize appropriate current research, national guidelines, and evidence-based findings to choose diagnostic tests.
3. Interpret data related to the history, physical, and diagnostic findings for patients with common, simple acute/urgent primary care problems

### Prerequisite
NURS 514, NURS 515A, NURS 517

### Corequisite
NURS 509R, NURS 515B, NURS 519
## Description
This course focuses on management of acute and common chronic health problems of children, adults (including the elderly), and families encountered in primary care settings. An evidence-based approach, guided by theoretical considerations, current research, national guidelines, and clinical expertise will provide the framework for the course.

## Course Outcome
1. Demonstrate critical thinking with diagnostic, management, and reasoning skills in the process of clinical decision-making.
2. Demonstrate professional behaviors in oral and written forms, and establish collaborative relationships.
3. Assess and intervene to promote wellness and prevent disease.
4. Integrate contextual variables in assessment and provision of care.

## Prerequisite
NURS 520, NURS 509R, NURS 519

## Corequisite
NURS 516, NURS 509S
### Description
This course focuses on management of chronic health problems and more complicated acute health problems of children, adults including the elderly, and families encountered in primary care settings. An evidence-based approach, guided by theoretical considerations, current research, national guidelines, and clinical expertise will provide the framework for the course.

### Course Outcome
1. Demonstrate critical thinking with diagnostic, management, and reasoning skills in the process of clinical decision-making.
2. Demonstrate professional behaviors in oral and written forms, and establish collaborative relationships to promote wellness and prevent disease.
3. Assess and intervene to promote wellness and prevent disease.
4. Integrate contextual variables in assessment and provision of care.

### Prerequisite
NURS 521A, NURS 509S

### Corequisite
NURS 509T
Description
This course focuses on the critical analysis and application of current theory, research, and knowledge relevant to the primary management of childbearing families during the antepartum and postpartum periods. Particular attention is given to issues defining populations at greatest risk for adverse obstetrical outcome. Health care needs and beliefs of culturally diverse populations are addressed.

Course Outcome
Upon Completion of the course the student will be able to:
1. Review and evaluate available data for the safe management of essentially normal pregnant and postpartum patients
2. Apply knowledge regarding pregnancy physiology, normal processes and risk assessment to the primary management of pregnant women and their families
3. Critique literature outlining the principles of primary management of the antepartum and postpartum family
4. Apply selected theories, concepts, and principles from prerequisite and concurrent courses to the primary management of the antepartum and postpartum families
5. Identify the kinds and level of consultation, collaboration, and referral required for selected complications encountered in the antepartum and postpartum periods.

Prerequisite
NURS 517, NURS 518

Corequisite
**Description**

This course focuses on developing competency in advanced pathophysiology, assessment, diagnosis, and collaborative management of acute and emergent conditions in adults, including the frail elderly. Diagnostic reasoning and decision making skills are developed in management of adults and elderly with acute illnesses or injuries. Emphasis is placed on evidence-based guidelines in acute and emergent conditions. The role of the Adult-Gerontology acute care nurse practitioner is explored.

**Course Outcome**

1. Construct evidence-based advanced practice nursing interventions to manage urgent/emergent conditions in adults and older adults with acute illness or injuries (ANCC IID 2-4; IIIB3)
2. Demonstrate diagnostic reasoning and decision-making skills to enhance outcomes of urgent/emergent conditions in adults and older adults with acute illness or injuries (ANCC IIIC1-4)
3. Demonstrate leadership to promote improved health care outcomes for the adult–older adult population in practice, policy, and other venues. (AANC VI 2)
4. Describe the current and evolving Adult-Gerontology acute care NP role to other healthcare providers and the public (AANC VI 9)

**Prerequisite**

None

**Corequisite**

NURS 528 Advanced Adult-Gerontology Acute Care Pharmacology, NURS GA Adult-Gerontology Acute Care Practicum I
Description
This second management course builds on concepts from Adult-Gerontology Management I and continues to build competency in advanced pathophysiology, assessment, diagnosis, and collaborative management of adults including the frail elderly with unstable chronic, complex acute conditions. Collaborative intra-and inter-professional relationships to promote optimal outcomes in patients with complex acute and chronic illness is stressed.

Course Outcome
1. Analyze evidence-based advanced practice nursing interventions to assess and manage complex comorbid health conditions in adults and older adults with acute illness or injuries (AACN IV A4; ANCC IID4).
2. Identify the impact on self-care management practices, family care giving, surrogate decision-making, quality of life, and end-of-life (ANCC IIB2)
3. Use diagnostic reasoning and decision-making skills to maximize quality of life and minimize the negative sequelae associated with acute exacerbations of complex co-morbid conditions (ANCC IIIB, C1-4)
4. Reformulate diagnosis based on new or additional assessment data and the dynamic nature of complex chronic illness in acute illness or injury (ANCC IIIA7-9)

Prerequisite
NURS 528  NURS 526A

Corequisite
NURS 509GB
Description
This third management course builds on the concepts in Adult-Gerontology Management II and focuses on developing competency in advanced pathophysiology, assessment, diagnosis, and collaborative management of complex co-morbid conditions in adults, including the frail elderly with acute and critical illnesses. Emphasis is placed on care directed to the highest acuity of the disease entities encountered in acute and critical settings. Development of comprehensive management plans is emphasized.

Course Outcome
1. Appraises evidence-based advanced practice nursing interventions to manage complex co-morbid conditions in adults and older adults with acute and critical illnesses (ANCC IID4)
2. Critiques current and evolving healthcare services needed to optimize care and outcomes for adults and older adults with acute and critical illnesses.
3. Coordinates comprehensive management plans through intra- and inter-professional collaborative relationships (ANCC IIA6, 7)
3. Serves as a knowledge resource regarding clinical and/or care issues related to the design and development of complex acute, critical, and chronic health services (ANCC IIA8)

Prerequisite
NURS 528, NURS 526B

Corequisite
NURS 509GC
Curriculum Report

NURS 526D  
Adult-Gerontology Acute Care Management IV

| Total Credits | 6 |

Description

This fourth management course integrates concepts from Adult-Gerontology Management III and focuses on continued competency in advanced pathophysiology, assessment, diagnosis, independent and collaborative management of adults, including the frail elderly with unstable chronic, complex acute and critical conditions. Students will assume leadership roles in the design and critique of management plans for complex co-morbid conditions in physiologically unstable, technologically dependent and highly vulnerable adults and older adults.

Course Outcome

1. Modifies evidence-based advanced practice nursing interventions to manage complex co-morbid conditions in physiologically unstable, technologically dependent and highly vulnerable adults and older adults (ANCC IID4; AACN ICAd)
2. Designs and critiques management plans for complex co-morbid conditions in physiologically unstable, technologically dependent and highly vulnerable adults and older adults with acute illness and injuries (ANCC IIIA7)
3. Integrates knowledge of rapidly changing pathophysiology of acute and critical illness in the planning of care and implementation of treatment and referrals (AACN IC1a)
4. Appraises healthcare system risks associated with care of complex patients, including but not limited to multiple caregivers, continuity of care, coordination of the plan of care across levels and settings of care, complex medical regimens, low or poor health literacy, and communication with family or between multiple care providers (AACN 1A9c).

Prerequisite

NURS 528, NURS 526C

Corequisite

NURS 509GD
Advanced Adult-Gerontology Pharmacology

Total Credits 2

Description
This course builds on knowledge of the basic principles of pharmacology to establish a knowledge base for advanced practice nurses making independent clinical judgments in the pharmacologic management and evaluation of adults and older adults who have unstable chronic, complex acute and critical conditions. Pharmacologic assessment including risks of complex medical regimes, drug interactions, incompatibilities, adverse events and contraindications is emphasized. Applicable Federal and State laws and appropriate patient education is integrated.

Course Outcome
At the completion of this course, students evaluating and managing adults and older adults who have unstable chronic, complex acute and critical conditions will be able to:

1. Perform a pharmacologic assessment; addressing pharmacogenetic risks, complex medical regimens, drug interactions and other adverse events; over-the-counter; complementary alternatives; and the patient’s and caregiver’s ability to self-manage medications safely and correctly.
2. Design individualized pharmacological management plans that reflect awareness of applicable laws, complex medication regimens, adverse medication outcomes, and safety considerations for high risk acute care populations.
3. Evaluate safety and efficacy of pharmacological interventions through use of appropriate and current resources.
4. Identify potential barriers for patient adherence to prescribed regimens.
5. Reconcile patients’ routine home medications using common electronic processes and individualize orders based on the patient’s medical condition.

Prerequisite
NURS 519 or equivalent

Corequisite
Basic Principles of Anesthesia I

Description
A study of the basic principles of anesthesia practice encompassing the use of specialized equipment, and consideration of pharmacology, pathophysiological as well as chemical and physical concepts applied to problems in the surgery/anesthesia setting.

Course Outcome
1. Demonstrate an understanding of the principles of airway management, equipment options, and the difficult airway algorithm.
2. Identify intra-operative patient monitoring requirements and equipment used in providing safe anesthesia care.
3. Perform an anesthesia pre-operative assessment and write appropriate pre-anesthesia evaluation notes for specific patients.
4. Analyze and synthesize current knowledge base, preparing an appropriate anesthesia care plan for selected ASA classification I and II adult patients detailing:
   a. Patient status with respect to fluid requirements, blood volume, and potential for blood loss.
   b. Volatile anesthetic agents, adjunct or accessory drugs and techniques for induction, maintenance, and emergence.
   c. Surgical requirements with reference to anesthesia for the planned procedure.
   d. Monitoring modalities and techniques.
   e. Positional requirements and effects.
   f. Post-anesthesia care implications.
   g. Instrumentation and equipment commonly used in anesthesia practice.

Prerequisite
Admission to Nurse Anesthesia Program Concurrent: NURS 509CA
Description
This course builds upon content presented in NURS 531 and includes concepts related to use of a variety of anesthetic techniques and locations.

Course Outcome
1. Demonstrate a working knowledge of intra-operative anesthetic management with inhalation agents, balanced anesthesia techniques, regional anesthesia, and monitored anesthesia care.
2. Demonstrate an awareness of the responsibilities of the anesthetist in the clinical area and his/her position as a member of the OR team along with the unique features of the OR environment.

Prerequisite
NURS 531 and NURS 535 Concurrent: NURS 509CB

Corequisite
Curriculum Report

Advanced Principles of Anesthesia I

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**Description**

In-depth anesthesia knowledge and critical thinking skills are applied to a variety of common problems and conditions that require specialty surgical procedures. The concepts of anaesthesia assessment, planning, techniques and pharmacologic interventions are applied to diverse patient populations requiring a variety of surgical specialty procedures.

**Course Outcome**

1. Apply concepts and theories of basic and advanced biophysical and psycho-social principles in the delivery of anesthesia care for specialty surgical procedures.
2. Analyze and synthesize basic and advanced biophysical and psychosocial principles, including physiological alterations and therapeutic drugs, in the planning, implementation and evaluation of the anesthesia management of diverse patient populations requiring specialty surgical procedures.
3. Integrate research findings from the anesthesia literature into the care of patients requiring specialty surgical procedures.

**Prerequisite**

NURS 532 and NURS 536 Concurrent: NURS 509CC

**Corequisite**
Advanced Principles of Anesthesia II

Total Credits 4

Description
In-depth anesthesia knowledge and critical thinking skills are applied to patients, problems and conditions requiring highly specialized anesthesia or surgical intervention. The concepts of anesthesia assessment, planning, techniques and pharmacologic interventions are applied to patients with acute and chronic pain, obstetric and pediatric patients and patients with catastrophic conditions.

Course Outcome
1. Apply concepts and theories of basic and advanced biophysical and psycho-social principles in the delivery of anesthesia care for highly specialized patients, problems and conditions.
2. Analyze and synthesize basic and advanced biophysical and psychosocial principles, including physiological alterations and therapeutic drugs, in the planning, implementation and evaluation of the anesthesia management of highly specialized patients, problems and conditions.
3. Integrate research findings from the anesthesia literature into the care of highly specialized patients, problems and conditions.

Prerequisite
NURS 533 Concurrent: NURS 509CD

Corequisite
**Description**
This course involves the study of the pharmacokinetics, pharmacodynamics, indications and contraindications of commonly used agents in the practice of anesthesia.

**Course Outcome**
1. Students will demonstrate an understanding of the pharmacokinetics and pharmacodynamics of inhalation, intravenous, and other adjunctive drugs used in the practice of anesthesia.
2. Students will understand the physiologic consequences and form a rational basis for the selection and use of various anesthetic agents.

**Prerequisite**
Admission to the Nurse Anesthesia Program

**Corequisite**
Description
Continuation of NURS 535 this course involves the study of the pharmacokinetics, pharmacodynamics, indications and contraindications of commonly used agents in the practice of anesthesia.

Course Outcome
1. Students will demonstrate an understanding of the pharmacokinetics and pharmacodynamics of inhalation, intravenous, and other adjunctive drugs used in the practice of anesthesia.
2. Students will understand the physiologic consequences and form a rational basis for the selection and use of various anesthetic agents.

Prerequisite
NURS 531, NURS 535, NURS 509CA

Corequisite
Description
The focus of this course is on the identification and analysis of the professional components of nurse anesthesia practice emphasizing role development, medical, ethical and legal responsibilities, scope of practice and standards of care. Other areas that will be explored include quality assurance, legislative process, credentialing, professional organization, historical perspectives and analyzing complex practice models.

Course Outcome
1. Identify the historical events and significant contributions leading to the development of the nurse anesthesia specialty.
2. Discuss the importance of understanding and integrating scope of practice and standards of care into anesthesia practice.
3. Discuss and analyze essential legal aspects pertaining to nurse anesthesia such as the patient’s bill of rights, informed consent, malpractice, liability and documentation.
4. Explore and analyze common ethical dilemmas in anesthesia practice.
5. Demonstrate a basic understanding of the role of governmental regulations that effect reimbursement for anesthesia services.
6. Analyze the risk factors and behaviors related to chemical dependency and mechanisms available to assist anesthesia providers who face this problem.

Prerequisite
NURS 533, NURS 509CC
Concurrent: NURS 534 and NURS 509CD

Corequisite
NURS 541  
Mental Health & Illness: Theories, Systems, and Roles  
Total Credits 2

**Description**

This course examines the theoretical frameworks and systems influencing current advanced psychiatric-mental health nursing practice. The course is intended to provide a foundation for understanding the social movements, theories and theorists that have influenced psychiatric-mental health nursing and inform current practice, including health and mental health promotion. Students will read and discuss classic interdisciplinary works and analyze their impact on our understanding of individuals, families, and communities. Historical and current contextual factors that impact the application of theory to mental health systems of care and practice will be explored. Research and trends impacting advanced psychiatric-mental health nursing practice and roles will be examined.

**Course Outcome**

1. Identify and analyze economic, cultural, and social factors as they impact the conceptualization of mental health and illness.
2. Analyze the historical context of critical economic, cultural, and social factors that impact individual and population mental health today, including health promoting strategies.
3. Analyze the foundational, theoretical, and research literature in addition to nursing standards influencing advanced psychiatric-mental health nursing practice and roles.

**Prerequisite**

Admission to the PMHNP program or permission of instructor

**Corequisite**
Description
This course will provide depth and refinement of knowledge of human development for advanced clinical practice with children, adolescents, and adults. Psychological, cognitive, and emotional theories will be studied and applied to individuals. Emphasis will be on understanding how development influences evolution of personality and character as well as how to utilize this understanding in assessing and providing patient care.

Course Outcome
At the completion of this didactic course, students will accomplish the following objectives:
1. Compare and contrast selected theories of human development.
2. Discuss the application of these selected theories to normative and impaired individual and family development.
3. Analyze the implication of selected developmental research findings for advanced nursing practice.

Prerequisite
Graduate standing; NURS 517 or may be concurrent.

Corequisite
Community Mental Health Systems for PMH Practice

Total Credits 3

Description
This course provides the knowledge base about community mental health systems for advanced psychiatric-mental health nursing students. The course will explore and analyze local, regional, and national community mental health systems as well as the policy decisions that affect mental health care. Strategies for contributing to and influencing the care of disadvantaged and marginalized mental health care consumers in publicly funded systems will be examined. The critical role of the PMHNP is promoting and managing the mental health of populations in the public sector will be analyzed with the goal of providing care for this vulnerable population.

Course Outcome
1. Analyze the local, regional and national public mental health care systems, including the socioeconomic context for providing care.
2. Strategize approaches to influencing state and national policy for publically-funded mental health care.
3. Analyze the role and influence of the PMHNP in a community mental health setting.
4. Examine local and state resources for mental health services with vulnerable populations.

Prerequisite
None

Corequisite
Quality Science has a theoretical and practice foundation that will be the focus of this course. An introduction to key organizational functions that enhance clinical care, how they are constructed, measured, and improved will be emphasized, along with tools that can be used to deconstruct and re-construct both health services and academic processes. The use of valid and reliable metrics will be introduced, such that variation can be examined and minimized to produce effective and efficient client outcomes. The impact of designing care delivery systems that build capacity and the issues with sustaining capacity will be explored.

On successful completion of this course, the student will be able to: 1. Construct, measure and improve at least one clinical or academic organizational function. 2. Select valid and reliable metrics for analysis in measuring variation. 3. Apply quality science tools to health services and academic settings. 4. Plan an approach to capacity building that builds in and sustains quality.
**Description**

This course will introduce and examine frameworks for measuring and evaluating organizational change with excellence as a driving force (e.g., LEAN, Capp and Baldridge). Optimizing outcomes for people (patients and service delivery personnel), process and product will be examined. Decision science, decision making tools (e.g., root cause analysis, SWOT and SOAR) and decision making grounded in the use of multiple types of existing data (i.e., epidemiological, risk, quality, and research) will be examined for predictive analytics. Validity and reliability of existing data will be used to determine the potential consequences of decision making.

**Course Outcome**

On successful completion of this course, the student will be able to: 1. Select and use frameworks for measuring and evaluating organizational decision making and outcomes. 2. Structure a change process with built-in decision points using multiple data types. 3. Evaluate the reliability and validity of multiple data types and the consequences of decision making in a CAS. 4. Examine the impact of predictive analytics on enhancing organizational viability.

**Prerequisite**

Graduate Standing

**Corequisite**


Description
This course focuses on the major mental health issues faced by older adults and their family caregivers: dementia, delirium, depression. Other mental health issues that affect the older population are also covered, including: substance abuse and issues at end-of-life. The theoretical and research base for mental health nursing interventions will be presented. Emphasis will be placed on helping nurses in research and advanced practice understand the specific dynamics of the older adult’s mental health concerns and develop interventions, programs, or research tailored to meet the needs of older individuals and their family members or caregivers across a variety of settings.

Course Outcome
Upon completion of the course, the student will be able to:
1. Analyze concepts and models for understanding the responses of older persons experiencing serious mental health problems and of their caregivers.
2. Discuss the conduct of a comprehensive mental health assessment and analyze intervention strategies for elders with complex physical, social, and mental health needs.
Masters Students
3. Analyze evidence-based intervention strategies for persons with dementia, delirium, and depression, taking into account the perspective of the person, the caregivers, and the caregiving system.
Doctoral Students
4. Critically analyze research methods for evaluating intervention strategies for persons with complex mental health issues, taking into account the theoretical, clinical, ethical, and methodological issues.

Prerequisite
NURS 571B for PMHNP students or permission from faculty for other specialties

Corequisite
**Best Practices in Teaching Nursing**

**Total Credits**

4

**Description**

This course emphasizes new advances in the science of learning as applied to performance-based curriculum models and instructional design. Students will review recent research on college teaching and nursing education, and have opportunity to develop basic skills in development of a syllabus, delivering a lecture for active learning, and leading class discussions. 4 credits, including laboratory.

**Course Outcome**

1. Develop or modify a syllabus based on best-practices in teaching-learning.
2. Design effective learning activities.
3. Deliver an engaging class.
4. Lead case-based discussions. In addition, students in 661 will: Integrate pedagogical theory with specialty content to design curriculum and instruction in nursing.

**Prerequisite**

None

**Corequisite**

69
<table>
<thead>
<tr>
<th>NURS</th>
<th>562/662</th>
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<td>Total Credits</td>
<td>2</td>
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**Description**
This course introduces approaches, processes, and tools that can be used to assess learning especially in a practice discipline. Topics include: design of performance assessment tasks, development of instructional rubrics to aid student learning and to guide performance assessment, construction of paper-and-pencil tests, the use of portfolios, and issues in grading achievement.

**Course Outcome**
1. Construct written examinations, using evidence-based processes to assess learning
2. Develop a rubric to guide evaluation of learning.
3. Compare other methods of assessment of learning

In addition, students enrolled in NURS 6xx will be able to: Integrate pedagogical theory with specialty content to design learning assessment in nursing.

**Prerequisite**
None

**Corequisite**
Description
Students will be introduced to the theoretical basis for simulation learning as well as a variety of simulation tools. Opportunities to experience and participate in realistic (high fidelity) simulation will be integrated, using scenario development, debriefing and assessment strategies. Emphasis will be placed on simulations that include clinical judgement, teamwork, interdisciplinary communication, and resource management.

Course Outcome
By the end of NURS 563/663 students will be able to:

1. Evaluate pedagogical frameworks that support the use of simulation as an essential component of clinical education.

2. Distinguish the principles of low, medium and high fidelity simulations, and identify opportunities for their use in a variety of educational situations.

3. Integrate key concepts of clinical reasoning and judgment to design simulation experiences, including scenario writing and scenario implementation and debriefing.

4. Integrate simulation as an essential component of clinical curriculum.

5. Examine the essential characteristics of effective debriefing for reflective learning and formative evaluation of the learner.

In addition to the above objectives 663 students will:

6. Examine research and evidence regarding effectiveness of the use of simulation in nursing education.

Prerequisite
one year of graduate course work and permission of instructor

Corequisite
## Description

This course examines a variety of clinical teaching models. It emphasizes the design of clinical learning experiences, drawing on studies of human learning, novice-expert development, clinical judgment, and clinical education. Students will be guided through the identification of key competencies and relevant and predictable clinical learning opportunities in their practice settings. Issues in clinical education, staff-faculty and student faculty interactions and in the national movement for clinical education reform will be explored.

## Course Outcome

At the completion of NURS 564-664, students will be able to:

1. Develop clinical learning experiences that recognize developmental level of the student, incorporates research on clinical judgement & human learning, and draws on research related to the focus of the clinical activity (e.g. population, particular clinical problem)

2. Recognize and resolve issues in staff-faculty and student-faculty interactions

3. Develop strategies to support preceptors and other clinical teachers to engage in new clinical learning models

In addition, students enrolled in NURS 664 will be able to:

Integrate pedagogical theory with specialty content to design clinical teaching in nursing.

## Prerequisite

Permission of Instructor

## Corequisite

72
Description
This course focuses on assessment, diagnosis, treatment planning, evaluation, and documentation regarding the common mental health problems and major psychiatric disorders of childhood and adolescence. Selected theoretical frameworks and the major psychiatric criteria and taxonomy are reviewed as foundations for clinical decisions and diagnostic formulations. Clinical approaches and methods for assessing and conducting psychiatric evaluations of children and adolescents are introduced, with attention to cultural and systems perspectives. Students gain knowledge of standardized measurement tools, treatment guidelines, evidence-based treatments, and ongoing research in the field of child and adolescent psychiatry. Communication, education, and collaboration with the client’s parents/guardians, family, school, support systems, and the interdisciplinary treatment team are emphasized.

Course Outcome
1. Conduct psychiatric evaluations and diagnose common mental health problems and psychiatric disorders in children and adolescents.
2. Synthesize, prioritize and document psychiatric and mental health evaluation data in a retrievable format for children and adolescents.
4. Demonstrate professional accountability through collaborative education and communication with the interdisciplinary team.

Prerequisite
Prerequisites include admission to PMHNP program or permission of faculty of record.
This course focuses on advanced nursing practices of assessment, diagnosis, treatment planning, evaluation, and documentation of common mental health problems and the major psychiatric disorders of adulthood. Clinical approaches and methods for assessing and conducting psychiatric evaluations of adults are introduced, with attention to cultural and systems perspectives. Emphasis is placed on the use of the major psychiatric diagnostic taxonomy and criteria, standardized measurement tools, clinical consensus and evidence-based treatment guidelines, and ongoing research in the field. Communication, education, and collaboration with the client’s formal and informal support systems and the interdisciplinary treatment team are also emphasized.

At the completion of this didactic course, students will demonstrate the following competencies:
1. Conduct psychiatric evaluations and diagnose common mental health problems and psychiatric disorders in adults.
2. Integrate the role of substance use and abuse into assessment, diagnosis, treatment and evaluation of outcomes for adults.
3. Document and communicate psychiatric evaluation, intervention, and follow up data in a retrievable form.
4. Demonstrate professional accountability through collaborative education and communication with the interdisciplinary team and system of care.

Admission to PMHNP program or permission of instructor
NURS 572A  
Therapeutic Interventions for Children and Families

Total Credits 3

Description
This course focuses on family assessment and child, adolescent and family intervention strategies used by advanced practice psychiatric mental health nurses across a range of clinical settings. Theory, research, and practice guidelines relevant to clinical processes with children, adolescents, and family systems will be emphasized. Diagnostic formulations of family system functioning and clinical formulations of child and adolescent treatment plans are the central focus of this course.

Course Outcome
At the completion of this didactic course, students will demonstrate the following competencies:

1. Develop and communicate a comprehensive diagnostic formulation of factors affecting the functioning of a family system
2. Select an evidence-based therapeutic model when intervening and making individual and/or family treatment recommendations for the child, adolescent, and/or family system
3. Develop therapeutic relationships as a basis for delivering evidence-based interventions to children, adolescents, and/or families
4. Monitor, measure, document, and evaluate intervention processes and outcomes
5. Demonstrate professional accountability through collaborative education and communication with the interdisciplinary team
6. Obtain supervision/consultation to enhance one’s own ability to deliver safe and effective therapeutic interventions to children, adolescents, and/or families.

Prerequisite
NURS 571A, acceptance into Graduate PMHNP program or permission of instructor

Corequisite
### Description
This course provides an overview of individual intervention strategies utilized by advanced psychiatric-mental health nurse practitioners. Central to the course will be the therapeutic relationship and clinical formulation of treatment plans appropriate to the patient needs and treatment environment. Emphasis will be placed on the development of a therapeutic alliance, stabilization for therapy, supportive therapy, and cognitive-behavioral strategies. An overview of group intervention will be provided.

### Course Outcome
At the completion of this didactic course, students will demonstrate the following competencies:
1. Demonstrate the understanding of the development of therapeutic relationships as the basis for assessment and provision of evidence-based intervention strategies.
2. Compare and contrast psychodynamic, cognitive/behavioral, humanistic, and experiential approaches to psychotherapy.
3. Analyze clinical cases utilizing the major psychotherapeutic approaches.
4. Demonstrate understanding of context of treatment environment and clinical issues in determining intervention approaches.

### Prerequisite
NURS 517, NURS 541, NURS 544, NURS 571B, NURS 574A; may be concurrent with NURS 574B

### Corequisite
**Description**

This course surveys current brief psychodynamic, cognitive behavioral and interpersonal therapy models and prepares the student in advanced psychiatric-mental health nursing to begin applying short-term, goal-oriented psychotherapeutic techniques. Students will build on their assessment and diagnostic skills to develop treatment goals and plans appropriate for the patient diagnosis, personality, presentation, and primary concern. Additionally, students will learn to implement brief psychotherapeutic techniques appropriate for the patient’s developmental and sociocultural context.

**Course Outcome**

At the completion of this didactic course, students will demonstrate the following competencies:

1. Compare, contrast, and differentiate brief psychodynamic, cognitive behavioral, and interpersonal therapy models.
2. Critically analyze the theories and models of brief therapies in the context of advanced psychiatric mental health nursing practice.
3. Analyze clinical cases in which brief, psychodynamic, cognitive behavioral, and interpersonal therapy models are desirable and appropriate intervention.
4. Demonstrate development of short-term therapeutic goals and treatment plans with attendant intervention strategies.

**Prerequisite**

NURS 517, NURS 544, NURS 571B, NURS 572B, NURS 574A, NURS 574B

**Corequisite**
Advanced Psychiatric-Mental Health Nursing Intervention IV:
Psychodynamic Therapy

Description
This course will examine the use of theoretical models of personality, psychopathology, and therapeutic process to guide the conduct of psychodynamic psychotherapy. Problem formulation and treatment planning, tracking the focus of therapy, implementing change, and relationship management will be explored in the context of longer term therapy. The underpinning for the termination process will be provided.

Course Outcome
At the completion of this didactic course, students will demonstrate the following competencies: 1. Compare, contrast, and differentiate theoretical models of personality, psychopathology, and therapeutic process. 2. Critically analyze the theories and models of psychotherapy in the context of advanced psychiatric-mental health nursing practice. 3. Analyze clinical cases in which dynamic therapy models are desirable and appropriate intervention. 4. Analyze clinical cases in terms of problem formulation, treatment planning, identifying the focus of therapy and strategies for tracking that focus, strategies for implementing change, and the relationship management issues, including termination of therapy. 5. Demonstrate development of long term therapeutic goals and treatment plans, with attendant intervention strategies.

Prerequisite
NURS 517, NURS 541, NURS 544, NURS 571B, NURS 572B, NURS 572C, NURS 574A, may be oncurrent with NURS 574B

Corequisite
**Description**

This course provides a foundation in the fundamental concepts of general pharmacology, with an emphasis on the principles and practice of prescribing psychotropic medications. The course examines the basic neuroanatomical and neurophysiological principles that inform neurobiologically-based psychopharmacotherapeutic decision-making. This course will include an introduction to clinical application of psychopharmacological interventions.

**Course Outcome**

1. Incorporate psychopharmacological interventions to treat symptoms of a range of psychiatric illnesses.
2. Develop therapeutic relationships as a basis for delivering evidence-based interventions. Obtain supervision/consultation to enhance one's own ability to deliver safe and effective therapeutic interventions.

**Prerequisite**

NURS 515A&B or concurrent, NURS 519A or concurrent, NURS 571B and/or permission from instructor.

**Corequisite**

NURS 574A
<table>
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<th>Course Code</th>
<th>NURS 574B</th>
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<tr>
<td>Description</td>
<td>This course examines the neurobiological basis and developmental pharmacokinetics for psychopharmacological decision-making with children and adolescents. This course is intended to provide a foundation in child and adolescent psychopharmacology for psychiatric mental health nurse practitioners. Students will analyze current research, guidelines, clinical evidence and clinical assessment data to guide clinical decisions for prescribing and managing psychopharmacological interventions for children and adolescents with a variety of psychiatric illnesses. Issues of informed consent that impact prescribing to children and adolescents will be discussed.</td>
</tr>
<tr>
<td>Course Outcome</td>
<td>1. Provide psychopharmacological interventions to treat symptoms for a range of psychiatric illnesses in children and adolescents. 2. Develop therapeutic relationships with children, adolescents, and their families as a basis for delivering evidence-based interventions. 3. Monitor, measure, document, and evaluate psychopharmacological intervention processes and outcomes. 4. Demonstrate professional accountability through collaborative education and communication with the interdisciplinary team. 5. Obtain supervision/consultation to enhance one’s own ability to deliver safe and effective therapeutic interventions to children and adolescents.</td>
</tr>
<tr>
<td>Prerequisite</td>
<td>NURS 515B, NURS 519A, NURS 574A or permission of instructor.</td>
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<td>Corequisite</td>
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Advanced Psychopharmacology: Adults

Description
This course builds on the principles that were the focus of NURS 574A. Students will analyze and discuss the research and clinical evidence for prescribing psychopharmacologic agents based on target symptoms, neurobiological circuits to which these symptoms can be putatively attributed, and practice guidelines with an emphasis placed on interactive learning via case studies. This course will include the prescription of psychopharmacologic agents for adults with persistent, refractory symptoms; treating patients with comorbid substance abuse issues; and other complex clinical situations.

Course Outcome
At completion of this didactic course, students will demonstrate the following competencies:

1. Provide psychopharmacological interventions at an advanced level to treat symptoms of a full range of psychiatric illnesses and conditions.
   1.1. Integrate research and clinical evidence regarding the neurobiological etiology of symptoms and the mechanisms of action of psychopharmacologic agents.

   2.1. Evaluate the impact of psychopharmacological interventions on outcomes of care, and adjust intervention strategies according to outcome evaluation.

Prerequisite
NURS 574A or permission of instructor

Corequisite
NURS 581

Nurse-Midwifery Management of the Intrapartum Period

Total Credits 4

Description
This course is a critical analysis and application of current theory, research, and knowledge relevant to the nurse-midwifery management of women’s care in intrapartum period. The systematic evaluation of current nurse-midwifery management models and the analysis of factors which influence these models.

Course Outcome
1. Synthesize and apply knowledge about normal and selected complicated processes in the intrapartal period in the nurse-midwifery management of childbearing families.
2. Apply selected theories, concepts, and principles from prerequisite and concurrent courses in the nurse-midwifery management of women and their families.
3. Collaborate with the members of other disciplines to develop, coordinate, and evaluate intrapartal nurse-midwifery care.
4. Critique selected intrapartal literature.
5. Analyze a selected practice question from both a clinical and research perspective.

Prerequisite
NURS 584, NURS 515A
Concurrent: NURS 515B (optional)

Corequisite
**Management of the Newborn**

**Total Credits** 3

**Description**
A critical analysis and application of current research, theory and knowledge relevant to the nurse-midwifery/nurse practitioner management of the neonate.

**Course Outcome**
1. Analyze and apply the research and theory base essential for the management of the normal newborn and common problems of the newborn
2. Critically analyze selected research on the care of the newborn and the newborn’s role in the family
3. Demonstrate necessary assessments and procedures required in resuscitation of the newborn, including NRP certification
4. Demonstrate mastery in the assessments necessary to manage, independently and interdependently, the care of the neonate
5. Demonstrate appropriate professional role functioning as a care provider for the neonate

**Prerequisite** None

**Corequisite**
NURS 583
Foundations of Midwifery Care During the Reproductive Cycle

Total Credits 2

Description
This course focuses on the analysis of research, theory, models and standards that provide the foundation of midwifery care for women during the reproductive cycle. Psychosocial and cultural aspects of women's health care are emphasized. Attention is given to the psychosocial development of the childbearing family, the historical development of health care and health care policy for childbearing women in the U.S., the history of midwifery and the ACNM, and the midwifery model of care.

Course Outcome
1. Analyze research and theory relevant to the psychosocial, cultural aspects of childbearing for women and their families
2. Identify the historical origins of the western model of health care during the childbearing cycle and the development of relevant health care standards and policies for women's health care.
3. Analyze the components of prenatal and postpartum health care, childbirth education, relevant health care standards and the evidence supporting their efficacy.
4. Analyze the impact of violence, poverty and substance abuse on the health of women in contemporary society.
5. Discuss the historical development of midwifery and the structure and function of the American College of Nurse-Midwives (ACNM).
6. Compare and contrast the midwifery model of care with the models of other disciplines as they relate to the care of childbearing women.

Prerequisite
Admission to the nurse-midwifery program or permission of instructor

Corequisite
### Description

This course focuses on the critical analysis and application of current theory, knowledge, and research relevant to the primary management of childbearing women and their families during the antepartum and postpartum periods. Particular attention is given to pregnancy physiology and to acquiring a thorough understanding of normal processes. Identification of factors which define populations at greatest risk for adverse outcomes and of specific health care needs and beliefs of culturally diverse populations is addressed. Education and health promotion for the childbearing family are also emphasized.

### Course Outcome

1. Apply selected theories, concepts, principles and knowledge from pre-requisites and concurrent courses to the primary management of antepartum and postpartum women and their families.
2. Apply knowledge regarding pregnancy physiology, normal processes and risk assessment to the primary management of pregnant women and their families.
3. Critique literature outlining the theory and principles of primary management of care for antepartum and postpartum women and their families.
4. Synthesize and apply appropriately knowledge about pregnancy physiology, normal and selected complicated processes present in the antepartum and postpartum periods in the management of care for women and their families.
5. Identify the kinds of level of consultation, collaboration, and referral needed for selected problems encountered in the antepartum and postpartum care of women and their families.
6. Evaluate the scientific basis and effectiveness of treatment approaches and recommendations utilized by other health care disciplines in the management of selected problems in the antepartum and postpartum care of women and their families.

### Prerequisite

NURS 517, NURS 518, NURS 583

### Corequisite
Primary Care for Nurse-Midwives

Total Credits: 4

Description
This course is designed for graduate students in the nurse-midwifery specialty and focuses upon non-reproductive primary care management in the female population. Diagnostic reasoning is used to differentiate common problems. Management will focus upon minor, acute complaints with appropriate triage and referral of chronic or life-threatening illness. An evidence-based approach to primary care drawing upon theories, research, clinical knowledge and national standards will be used to develop therapeutic plans for common non-reproductive health problems of adolescent and adult women.

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

1. Differentiate common health problems of adult women seen in primary care using history, physical examination and laboratory data.
2. Evaluate current research, clinical literature and standards to guide primary care of women with common health problems.
3. Generate therapeutic plans appropriate to the common health care needs of adults in primary care.
4. Recognize the epidemiologic patterns of disease, risk factors and efficacy of treatment alternatives in adults from various cultural, ethnic and socioeconomic groups and incorporate this information in the diagnostic reasoning process and plan of care.

Prerequisite
NURS 515 A&B, NURS 517

Corequisite

86
### Description

This course focuses upon the application of research, theory and knowledge relevant to complex health needs and psychosocial experiences of women in relation to their reproductive physiology.

### Course Outcome

1. Analyze, evaluate and apply the knowledge relevant to the gynecologic care of essentially healthy women throughout the life cycle.
2. Demonstrate a synthesis of theory and practice models to maintain and improve the health care of women.
3. Review and critique the current literature addressing the changing gynecological, reproductive and sexual health needs of women.
4. Analyze selected social, political, economic, legal and ethical factors which influence the health care of women.

### Prerequisite

NURS 518

### Corequisite

87
NURS 591/691

Total Credits 3

Online Teaching

Description
This elective course introduces online teaching techniques and technologies. Students will explore applications of e-learning in a variety of settings and discuss how constructivist theories apply to online teaching and learning. A practical, hands-on approach to apply a wide variety of online tools as well as a blend of synchronous and asynchronous components will be used to model and effective online course.

Course Outcome
1. Evaluate, select, and use technology-based tools based on teaching and learning outcomes.
2. Apply collaborative learning theory to use web tools, such as discussion forums, blogs, and wikis.
3. Design and publish an online learning module that includes a pre- and post-assessment, and:
   * demonstrates the ethical use of digital information resources, including educational copyright and fair use principles;
   * applies an understanding of learner differences; culture/race, ability/disability, gender, age, socioeconomic status, and family influences; and
   * uses analysis of how accessibility of technology-based resources affects instructional planning.
In addition, students enrolled in NURS 691 will be able to:
4. Analyze and evaluate current research on teaching and learning using technology, especially online course management systems.

Prerequisite
None.

Corequisite
Complexity Science Approaches in Leading Academic and Health Services Organizations

Total Credits    3

Description
This course compares and contrasts traditional organizational leadership based on principles of reductionism with those of complexity science approaches, with an emphasis on helping leaders determine how to approach organizational decision-making and change dynamics using both traditions. Using cases from health services and the academy, students will examine Complex Adaptive Systems (CAS) and their attributes on nursing models of care. Special emphasis will be given to organizational decision-making, organizational co-creation, and the leadership and management role adaptations necessary to function in dynamical organizations.

Course Outcome
On successful completion of this course, the student will be able to: 1. Understand complexity and Newtonian science dynamics to organizational structure and functions. 2. Apply concepts that represent complexity science principles in organizational settings. 3. Analyze leadership and management style preferences for leading change and managing adaptation. 4. Create the culture for moving to a dynamical organization.

Prerequisite
Graduate Standing

Corequisite

89
This course will introduce and examine processes that occur as organizations grow and develop in an ever-changing and challenging healthcare system. Sustainable organizations will be examined through the lens of patterns found in nature and how people are the center of sustainability. Leaders have a social mission to develop and support people in CAS during growth and development of the organization. The organic nature of sustainability will be examined using the Ecological Model where we can see: connectedness, rhythm, balance, acceptance, openness and simplicity. Leaders will find with this new lens that the fiscal mission of organizations can be served with new ways of behaving for interdependence.

On successful completion of this course, the student will be able to: 1. Examine organizational mission, purpose and goals through a leadership lens that encompasses awareness of structural, human resource, political, and symbolic frames. 2. Demonstrate personal values that are an essential foundation for creating a sustainable organization. 3. Apply patterns from nature to form an interdependent people-centered process, using an Ecological Model within a Complex Adaptive System.
Description
The research practicum provides the doctoral student with an opportunity to work with a faculty mentor on some aspect of the faculty member's research related to nursing science. This course may be repeated for credit.

Course Outcome

Prerequisite
Permission of instructor and approval by academic adviser.

Corequisite
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<th>603</th>
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<td>Total Credits</td>
<td>1-9</td>
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**Description**
The development and conduct of dissertation research.

**Course Outcome**

**Prerequisite**
Completion of doctoral course work and approval by dissertation chair

**Corequisite**
NURS 605

Total Credits 9

**Description**
The reading and conference provides an opportunity for an in depth review and synthesis of a specified body of literature under the guidance of a faculty of record. A description of the content area and the objectives for the reading and conference must be developed with the faculty of record and filed with the student’s program of study.

**Course Outcome**

**Prerequisite**  
Permission of instructor and approval by academic adviser or dissertation committee chair

**Corequisite**
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<tr>
<th>Course Title</th>
<th>NURS 607B Pre-Dissertation Seminar: Research in Individual and Family Symptom Management</th>
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<td><strong>Total Credits</strong></td>
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**Description**

This doctoral seminar provides a forum for scholarly exchange to facilitate the synthesis and integration of doctoral course work and experience in the conduct of research. The emphasis is on research on individual and family symptom management. The seminar will provide all students with the opportunity for the review and critique of scholarly work in process.

**Course Outcome**

The student will develop the ability to:

1. Use scholarly language to articulate ideas clearly.
2. Communicate research to the scientific community.
3. Apply methods of systematic critique to research proposals and manuscripts.
4. Prepare a research proposal

**Prerequisite**

May be concurrent with first- and second-year courses

**Corequisite**

94
**Dissertation Seminar: Qualitative**

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<th>NURS 607DA</th>
<th>Total Credits</th>
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**Description**
The purpose of this seminar is to help the student to progress through the stages of dissertation work. Designed for doctoral candidates that have obtained approval of the dissertation proposal, the seminar will provide a forum for scholarly exchange and learning about the conduct of research. This seminar will complement the student-advisor relationship. Doctoral candidates are required to take a dissertation seminar while conducting the dissertation. These credits convert to dissertation credits (NURS 603) in meeting the requirements for the degree.

**Course Outcome**
Students will lead and participate in discussions related to qualitative analysis of dissertation.

**Prerequisite**
After passing CRPB benchmark, 607DA or 607DB (Dissertation Seminar, 1 credit per qtr.) is required every quarter until dissertation defense is completed except in summer. Credits for 607DA or 607DB are converted to NURS 603 credits upon clearance of degree.

**Corequisite**
After passing CRPB benchmark, 607DA or 607DB (Dissertation Seminar, 1 credit per qtr.) is required every quarter until dissertation defense is completed except in summer. Credits for 607DA or 607DB are converted to NURS 603 credits upon clearance of degree.
Description

The purpose of this seminar is to help the student to progress through the stages of dissertation work. Designed for doctoral candidates that have obtained approval of the dissertation proposal, the seminar will provide a forum for scholarly exchange and learning about the conduct of research. This seminar will complement the student-advisor relationship. Doctoral candidates are required to take a dissertation seminar while conducting the dissertation. These credits convert to dissertation credits (NURS 603) in meeting the requirements for the degree.

Course Outcome

Students will develop the ability to:
1. Develop operations and protocols for all phases of the dissertation project.
2. Develop data management strategies appropriate to design.
3. Critique chapters, abstracts, manuscripts, and presentations of dissertation.
4. Participate in scholarly discussions of their research work.

Prerequisite

After passing CRPB benchmark, 607DA or 607DB (Dissertation Seminar, 1 credit per qtr.) is required every quarter until dissertation defense is completed except in summer. Credits for 607DA or 607DB are converted to NURS 603 credits upon clearance of degree.

Corequisite

After passing CRPB benchmark, 607DA or 607DB (Dissertation Seminar, 1 credit per qtr.) is required every quarter until dissertation defense is completed except in summer. Credits for 607DA or 607DB are converted to NURS 603 credits upon clearance of degree.
<table>
<thead>
<tr>
<th>NURS</th>
<th>607E</th>
<th>Issues in Research Related to the Nursing Care of Older Populations</th>
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<tbody>
<tr>
<td>Total Credits</td>
<td>1-3</td>
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</table>

**Description**

The focus of this seminar is on the discussion of conceptual and methodological issues in research related to the nursing care of older people, including issues of cultural diversity. The seminar participants will analyze the everyday decisions that must be made when conducting research related to the nursing care of older people. The seminar is designed to provide multiple public examinations of the research ideas and activities of participants. It is expected that participants will thoughtfully critique the ideas and work of colleagues and present their own ideas and work for critique. Public collegial critique of one’s work helps to strengthen the science and guard against scientific misconduct. This course may be repeated for credit.

**Course Outcome**

The seminar participants will analyze the everyday decisions that must be made when conducting research related to the nursing care of older people. The seminar is designed to provide multiple public examinations of the research ideas and activities of participants. It is expected that participants will thoughtfully critique the ideas and work of colleagues and present their own ideas and work for critique. The faculty believes that one of the strongest forces promoting high quality science is public collegial critique.

**Prerequisite**

Enrollment in the doctoral program

**Corequisite**


<table>
<thead>
<tr>
<th><strong>NURS</strong></th>
<th>607H</th>
<th><strong>Selected Topics in Nursing</strong></th>
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<tbody>
<tr>
<td><strong>Total Credits</strong></td>
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### Description
This course introduces students to concepts underlying new competencies and research. Students and faculty negotiate a set of relevant concepts for the seminar for a given term.

### Course Outcome
1. Demonstrate knowledge of selected concepts and issues in the study of family care across the lifespan.
2. Critically evaluate methodological approaches to the study of family care.
3. Evaluate and synthesize the research literature in family care in an area of interest.
4. Critically examine the roles of policy and ethics in the study of family care.

### Prerequisite
None

### Corequisite
98
<table>
<thead>
<tr>
<th>NURS</th>
<th>607I</th>
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</table>

**Description**
See NURS 507I/607I

**Course Outcome**

**Prerequisite**

**Corequisite**
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Description</th>
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<tbody>
<tr>
<td>NURS 609AA</td>
<td>Practicum in Teaching</td>
<td>See NURS 509AA/609AA</td>
</tr>
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| Credit Hours | 3 |

### Course Outcome

### Prerequisite

### Corequisite
<table>
<thead>
<tr>
<th>NURS</th>
<th>610</th>
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<td>Total Credits</td>
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</table>

**Conceptualizing Nursing Practice**

**Description**
This course will explore how nursing knowledge is defined, developed, and accessed. Emphasis will be on reading literature deeply to discern underlying conceptualizations of nursing, logical coherence, and integrity.

**Course Outcome**
1. Identify and analyze definitions and conceptualizations of nursing.
2. Critique nursing practice literature in relation to logical coherence and integrity.

**Prerequisite**
None

**Corequisite**
None
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Total Credits</th>
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</thead>
<tbody>
<tr>
<td>NURS 611</td>
<td>Evaluating Evidence for Nursing Practice</td>
<td>3</td>
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</table>

**Description**
This course will focus on the development of skills for systematically accessing and evaluating nursing literature. Nursing literature will be analyzed for its conceptual roots, clarify and consistency, and logical development, as well as its relevance and significance for nursing practice.

**Course Outcome**
1. Select search strategies and information technologies to manage and differentiate literature for scholarship.
2. Critique nursing literature for conceptualization, clarity and consistency, logical development, and relevance for practice.

**Prerequisite**
NURS 610

**Corequisite**
In this course, students will access, critique and synthesize knowledge in a clinical specialty area. Emphasis will be on reviewing literature with an analytic perspective that yields a historical view of knowledge development and an appreciation of the state of the science to date.

At the end of this course, the student will be able to: 1. Critique literature in a specific domain of specialty nursing. 2. Synthesize knowledge from multiple sources. 3. Evaluate the state of the science in a domain of specialty nursing.

NURS 611 or concurrent
<table>
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<tr>
<th>Total Credits</th>
<th>3</th>
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**Description**
In this course, approaches to knowledge development in nursing that reflect a variety of ontological foci will be explored. Various approaches to inquiry and concept analysis will be examined and critiqued, particularly with respect to contextual application. The role of evidence based protocols for practice will be debated. The integration of this course with Philosophy of Science and Theoretical Foundations in Nursing Research will be emphasized.

**Course Outcome**
1. Conduct a concept analysis relevant to the student's research area.
2. Critically examine the conceptual aspects of selected published and proposed research, including the underlying assumptions.
3. Examine the links between conceptualization, design and measurement in nursing research.
4. Analyze the various means used to evaluate knowledge claims in the community of nurse scholars.

**Prerequisite**
None

**Corequisite**
None
<table>
<thead>
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<th>Description</th>
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<tbody>
<tr>
<td>This course will provide an overview of four 20th century philosophies of science including empiricist, interpretive, critical, and post-modern worldviews. The ontological, epistemological, and methodological assumptions of each major approach to scientific inquiry will be reviewed and critiqued. The overall goal of the course is to provide students with an introductory understanding of these worldviews and to identify the philosophical underpinnings of various approaches to theory and knowledge development in nursing science.</td>
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<th>Course Outcome</th>
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<tbody>
<tr>
<td>1. Compare the common traditions of philosophical thought as they pertain to the human sciences (contemporary empiricism, interpretive and critical)</td>
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<tr>
<td>2. Identify and critically evaluate assumptions underlying major approaches to scientific inquiry in nursing.</td>
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<tr>
<th>Corequisite</th>
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<tr>
<td>None</td>
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### Description
This course builds on earlier coursework by showing how theoretical concepts and relationships can be studied using experimental or descriptive research designs appropriate for answering empirical research questions or testing hypotheses. Students will learn how to construct research questions and hypotheses, consider types of designs, refine and define concepts, select valid and reliable measures, and manage study procedures related to recruiting and retaining participants, and collecting data. Included are methodological rigor and ethical concerns.

### Course Outcome
1. Construct research questions & hypothesis, drawing from a theoretical or conceptual framework and based on the current state of the science.
2. Choose appropriate descriptive or experimental research design(s) for addressing specific questions, considering strengths and limitations.
3. Operationalize and provide rationale for choices in design, sample, measures, and procedures.
4. Analyze philosophic and methodologic assumptions embedded in the research design of the contemporary empiricist tradition.
5. Assess and propose solutions for ethical issues in research design.

### Prerequisite
NURS 613, NURS 614

### Corequisite
106
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
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<tr>
<td>NURS 616</td>
<td>This is an introductory and overview course on methods used in the interpretive tradition. Philosophical assumptions and theoretical perspectives underlying interpretive research methods will be explored. Specific content will include general methods of interpretive qualitative design, methodological rigor, and ethical concerns. An overview of various methodologies will be introduced, including Grounded Theory, Phenomenology including both Hermeneutic and Husserlian Phenomenology, Narrative Analysis, Ethnography and Qualitative Description</td>
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<thead>
<tr>
<th>Course Outcome</th>
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<tbody>
<tr>
<td>1. Analyze philosophical and methodological assumptions embedded in qualitative research design.</td>
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<tr>
<td>2. Formulate research questions that reflect and justify the selection of a qualitative research method.</td>
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<tr>
<td>3. Identify criteria used for evaluating methodological rigor in a qualitative research method.</td>
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<tr>
<td>4. Examine ethical issues that may arise in the conduct of qualitative research.</td>
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<thead>
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<th>Prerequisite</th>
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<tr>
<td>NURS 613, NURS 614</td>
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<th>Corequisite</th>
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</table>
Ethical Issues in the Responsible Conduct of Research

Total Credits 1

Description
This course will build on ethics issues discussed in prior courses by providing in-depth face-to-face discussion of case studies of actual research dilemmas and didactic instruction in the ethical and regulatory issues that form a foundation for the responsible conduct of research. Topics will include conflict of interest, issues and policies related to human subjects, IRB oversight of research, scientific misconduct, and contemporary ethical issues in biomedical research. Ethical issues surrounding mentor/mentee responsibilities, peer review, and responsible authorship and publication will also be covered.

Course Outcome
1. Demonstrate knowledge of current ethical requirements for conducting research with human subjects.
2. Describe issues related to ethical professional conduct.
3. Demonstrate critical analysis of ethical issues raised in case studies of prior research.
4. Describe ethical issues specific to student's intended area of research.

Prerequisite
NURS 613, NURS 614, NURS 615, NURS 616

Corequisite
Description
This course builds on earlier course work in knowledge development and concurrent courses in research methods by providing students with tools to access and evaluate research literature. Students will acquire skills in literature appraisal by reading and critiquing published research reports to identify design and methodological strengths and weaknesses of studies in a variety of substantive areas and with a variety of methodological approaches. Appraisal skills developed in this course will provide a foundation for a subsequent course in synthesizing the literature in a specific substantive area.

Course Outcome
1. Identify and evaluate the epistemological, ontological and methodological assumptions underlying published studies.
2. Evaluate conceptual and methodological strengths and weaknesses in published studies in a variety of related substantive areas and with a variety of methodological approaches.

Prerequisite
NURS 613, NURS 614, NURS 615, NURS 616

Corequisite

NURS 622
Influential Programs of Nursing Research

Total Credits 2

Description
This course builds students’ developing knowledge of philosophy, theory, knowledge development, nursing practice, research methods, and the interrelationships among them as they study selected programs of nursing research. Influential published programs of research in nursing will be selected as paradigms to demonstrate how research programs develop, build science in an area of knowledge, improve health of individuals or populations, and influence nursing practice, knowledge development, interdisciplinary/interprofessional collaboration, health policy. The Interrelationships among nursing theory, research, and practice and those of other disciplines will be explored. Implications for interdisciplinary/interprofessional and team science are included.

Course Outcome
1. Evaluate the development of the theory in selected nursing research domains.
2. Identify research designs in the systematic study of problems and the rationale for selecting particular designs to answer research questions.
3. Evaluate published research reports that comprise influential programs of research.
4. Analyze the impact of selected programs of research on health policy, practice, and research.
5. Identify ethical issues and solutions in selected programs of research.

Prerequisite
NURS 613, NURS 614

Corequisite
NURS 615, NURS 616
NURS 623
Evolving Nursing Science

Total Credits 3

Description
This course provides for further development of students’ own research foci through discussion of nursing and cross-disciplinary programs of research at OHSU. Students will have opportunities to meet with and discuss issues with researchers conducting ongoing research. Philosophic, methodological, ethical and policy implications of research programs will be emphasized. Students will have an opportunity to examine linkages between their own emerging research interests and the ongoing research at OHSU, and to hear from and about interdisciplinary/interprofessional and team science.

Course Outcome
1. Describe the practice, policy, and knowledge development implications of selected programs of research
2. Examine the philosophic underpinnings of the programs of research, or specific studies within the program of research
3. Explore ethical issues and their resolution in a program of research
4. Propose policy implications for a program of research and examine ways in which investigators could lead policy change
5. Identify actual/potential contributions of research from other professions/disciplines to nursing science.

Prerequisite
NURS 613, NURS 614, NURS 615 & NURS 616

Corequisite
None
NURS 624A  

| Total Credits | 2 |

**Description**

The integrative seminar series provides a forum to integrate theory, methods, synthesis of prior literature, and knowledge gained in PhD course work to develop a scholarly proposal for research in a substantive area. The proposal completed during the three quarters will serve as a benchmark required for successful completion of year 2 of the program. Seminar 624A will emphasize scholarly exchange regarding the research question, its significance, innovation, and impact, including the conceptual or theoretical foundation underlying the research question. Students will develop introductions and specific aims and discuss potential approaches and design of the research project.

**Course Outcome**

1. Demonstrate ability to synthesize and integrate course work to develop a scholarly research proposal  
2. Articulate the significance, innovation, and impact of a research project  
3. Write introduction and specific aims and discuss potential approaches and methods.  
4. Participate in scholarly discussions of his/her research work and the research work of others

**Prerequisite**  
Completion of first year core courses

**Corequisite**  
Concurrent with NURS 631 in winter and spring
Integrative Seminar in Nursing Research II

Total Credits 2

Description
The integrative seminar series provides a forum to integrate theory, methods, synthesis of prior literature, and knowledge gained in PhD course work to develop a scholarly proposal for research in a substantive area. The proposal completed during the three quarters will serve as a benchmark required for successful completion of year 2 of the program. Seminar 624B will emphasize scholarly exchange and learning regarding the approach, design methods, and analysis of a research project. Students will write sections of the proposal and engage in discussion and critique.

Course Outcome
1. Demonstrate ability to synthesize and integrate course work to develop a scholarly research proposal 2. Demonstrate knowledge of multiple approaches and methods to accomplish research goals. 3. Write clearly about methods and analysis for one research proposal. 4. Participate in scholarly discussions of his/her research work and the research work of others

Prerequisite
Completion of first year core courses

Corequisite
Concurrent with NURS 631 in winter and spring
### Description

This course introduces students to different strategies used in qualitative description and in the mixing of qualitative description with other qualitative and quantitative methods in research. Qualitative descriptive inquiries will be examined in contrast to and combined with other qualitative and quantitative approaches. Specific emphasis is placed on identifying the theoretical lens or framework and philosophical assumptions guiding the study, the basic principles of mixed methods research, and current mixed methods models.

### Course Outcome

By the end of the course, the students will be able to:

1. Examine the theoretical lens and philosophical assumptions underlying qualitative descriptive inquiries.
2. Contrast different designs guiding mixed methods research.
3. Identify research questions that reflect qualitative description and mixed methods approaches to research.
4. Critically evaluate qualitative descriptive research manuscripts and proposals.

### Prerequisite

NURS 613, NURS 614, NURS 615 & NURS 616. Successful completion of integrative review benchmark.

### Corequisite

Concurrent or prior completion of NURS 621, NURS 656, and NURS 657
Description
This advanced methods course is the first of a two-part sequence. Students will gain advanced theoretical and practical knowledge and skills for designing and conducting research using qualitative methods. Emphasis is placed on research design, identification and recruitment of participants, and data collection strategies in qualitative research in nursing and health sciences. This course includes experiential exercise component.

Course Outcome
By the end of the course the student will be able to:
1. Write research questions in their own area of interest which would be appropriate for a qualitative study
2. Design a study to address these research questions, including rationale for selection of method, sample, and approaches to data collection.
3. Discuss trade-offs in decisions about sampling and data collection methods
4. Demonstrate beginning skill in data collection.
5. Explain criteria for assessing rigor, credibility and validity in qualitative research design.
6. Identify and propose solutions to ethical issues that may arise in the qualitative inquiries.

Prerequisite
NURS 625

Corequisite
None
Advanced Qualitative Methods II – Design, Sampling, and Data Collection

Total Credits 3

Description
This advanced methods course is the second in a two course sequence. In this course students will gain advanced theoretical and practical knowledge and skills for managing and analyzing data, and disseminating knowledge based on research using qualitative methods. Emphasis is placed on unique approaches and considerations in qualitative data management, analysis, and dissemination in nursing and health sciences. This course includes experiential exercise component.

Course Outcome
By the end of the course the student will be able to:
1. Organize and manage qualitative data appropriate to answer the intended research questions.
2. Demonstrate beginning skill in analyzing data in a way to be authentic to the philosophical underpinning of the chosen approach.
3. Demonstrate understanding and skills to apply strategies to enhance the rigor in the interpretation to generate trustworthy findings.
4. Describe process of inductive analysis coherent with chosen methodology.
5. Write and present findings in scholarly manner in the field of science.
6. Identify and propose solutions to ethical issues that may arise in the qualitative inquiries.

Prerequisite
NURS 626

Corequisite
None
# Analysis Methods for Quantitative Research: Applied Statistics I

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<tr>
<th>Course Code</th>
<th>Descriptive Title</th>
<th>Total Credits</th>
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## Description
In this advanced course on quantitative methods and analysis, students will build on earlier courses in knowledge development and quantitative research design by developing a conceptual understanding of statistical analysis and interpretation required for descriptive research and hypothesis testing. Students will develop skills in descriptive and inferential statistical analysis, power analysis for determining sample size, and statistical strategies appropriate for answering research questions for particular sample characteristics, study designs, and types of data. Parametric and non-parametric statistics, such as t-tests, chi-square, and analysis of variance will be covered in depth and students will engage in analysis and interpretation using SPSS and/or Stata software and data provided in the course. The link between quantitative research methodologies and statistical strategies will be emphasized, with a focus on conceptual understanding and application of statistical methods without complex mathematics or calculations.

## Course Outcome
1. Explain and apply the principles of hypothesis testing including Type I and Type II errors
2. Understand the relationship between population, sample and sampling distributions
3. Use confidence intervals to test hypotheses and summarize effects
4. Understand the issues related to statistical power
5. Conduct and interpret a chi-square analysis, independent and dependent t-tests, analysis of variance, and associated post-hoc tests using SPSS and/or Stata
6. Select the appropriate analysis for a given research question and interpret results of the analysis
7. Communicate results in journal quality results and discussion sections
8. Critique and discuss published articles using t-tests, chi-square and analysis of variance
9. Propose a PDSA quality improvement project to address a public health department service concern

## Prerequisite
NURS 613, NURS 614, NURS 615 & NURS 616. Successful completion of integrative review benchmark

## Corequisite
NURS 656, 621, 657

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117
Description
In this advanced course on quantitative methods and analysis, students will develop a conceptual understanding of the rationale, methods, analysis, and interpretation of research studies designed to test hypotheses about the relationships between and among variables. Students will learn skills in statistical methods, such as correlation and regression, using SPSS software and multivariate datasets. The appropriate use of multivariate statistics in quantitative research designs, the underlying assumptions guiding the selection of analytic strategies, and accurate interpretation of statistical analysis will be emphasized. The focus of the course is on conceptual understanding and application of multivariate statistical models and the relationships among research question, study design, sample size, type of data, statistical analysis, and interpretation of findings.

Course Outcome
1. Understand the concepts of correlation (including partial and semi-partial), covariance, regression and variance partitioning. 2. Diagnose violations of assumptions for regression using residual plots. 3. Differentiate the three approaches to regression and determine appropriateness of each approach to a given research question. 4. Perform and interpret correlations, simple regression, multiple regression, and logistic regression using SPSS and/or Stata. 5. Select and apply appropriate coding for categorical variables. 6. Understand the difference between mediator and moderator models and be able to identify the appropriate model based on a given research question and interpret the results. 7. Graph and interpret interactions from a moderated regression analysis. 8. Discuss and critique regression-related results from published research reports. 9. Write up results appropriate for journal publication of results and discussion sections.

Prerequisite
NURS 628

Corequisite
None
Analysis Methods for Quantitative Research: Advanced Measurement

Total Credits 3

Description
In this advanced course on quantitative methods, students will learn the theories and psychometric assumptions integral to selecting and developing measurement instruments to assess phenomena in quantitative research studies. Students will acquire in-depth understanding of three approaches to reliability including Classical Test Theory, Generalizability Theory, and Item Response Theory, and the applicability of these approaches to interpreting measurement of phenomena in different populations and for different purposes. Students will learn to evaluate items, examine and interpret reliability, and select approaches to establish validity of measures, including content, criterion-related, and construct validity. Statistical approaches to validity that will be covered include exploratory and confirmatory factor analysis and multi-trait/multi-method matrices. Students will develop skills in development of measurement instruments in addition to strategies to select existing measures appropriate for different research questions, study procedures, sample characteristics, statistical analysis, and intended outcomes.

Course Outcome
1. Demonstrate thorough knowledge of the concepts of reliability and validity. 2. Select and test the correct type of reliability for a given question. 3. Evaluate multiple aspects of validity (including factor analysis and multi-trait-multi-method analysis). 4. Conduct an item analysis and distinguish between item difficulty and item discrimination. 5. Interpret results from a generalizability analysis. 6. Interpret results from an Item Response Theory analysis. 7. Discuss and critique results from published research reports. 8. Write research proposals for creating and testing the measurement properties of a scale.

Prerequisite
NURS 629

Corequisite
Same
N罐 631

Total Credits 3

Nursing Science Focus Area

Description
Students will be placed on a team consisting of several fellow classmates and faculty who have research expertise and current or prior funded research. The team will guide the student toward developing skills and experiences needed for writing research proposals, conducting research, and engaging in other research-related activities. Students will develop objectives in consultation with their teams drawing on available experiences and the research goals of students. Objectives may include independent study into the body of research surrounding a substantive research area; exposure to a variety of elements required to carry out a research project (e.g. data collection, management and analysis techniques); selection of additional coursework that will support the area of investigation; and participation in relevant opportunities such as participation in journal clubs, attendance at lectures, or presenting at conferences.

Course Outcome
By the end of the course the student will be able to:
1. Demonstrate skill in critically evaluating prior literature in substantive area and synthesizing prior knowledge to develop rationale for a research proposal
2. Demonstrate skills related to grantsmanship such as developing project budgets, responding to reviewer critiques or regulatory concerns.
3. Describe the ethical issues relevant to research in a substantive area
4. Demonstrate skills related to research data, such as collection, management, or analysis
5. Demonstrate skills and gain knowledge about the dissemination of scholarly work such as manuscript development and submission, peer-review of manuscripts or evidence-based practice
6. Effectively communicate knowledge to others both verbally and in writing

Prerequisite
Successful completion of first year core courses and Integrative Review benchmark

Corequisite
NURS 625 or 628 (fall)
NURS 626 or 629 (winter)
NURS 627 or 630 (spring)

Concurrent with 624A, B in winter and spring
Nursing Science Focus Area: Chronic Illness

Total Credits: 3

Description
Students will negotiate to work with a team of investigators who have expertise and current or prior funded research. Students will negotiate to join a team at the conclusion of year 1. The team will guide the student toward developing a research proposal and all that it requires, which may include independent study into the body of research surrounding a substantive research area; development of competencies required to carry out the proposed dissertation study (e.g. data collection, management and analysis techniques); conduct of pilot studies as necessary; selection of additional coursework that will support the area of investigation, and participation in relevant opportunities such as participation in journal clubs, attendance at lectures, or presenting at conferences.

Course Outcome
1. Demonstrate skill in critically evaluating prior literature in substantive area and synthesizing prior knowledge to develop rationale for dissertation research
2. Demonstrate skill in integrating theory with method in at least one research tradition
3. Describe the ethical issues relevant to research in substantive area
4. Demonstrate skills related to research data, such as collection, management, or analysis
5. Effectively communicate knowledge to others both verbally and in writing

Prerequisite
None

Corequisite
121
<table>
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<tr>
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<th>Course Title</th>
<th>Total Credits</th>
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<tbody>
<tr>
<td>NURS 652</td>
<td>Understanding and Intervening in Common Mental Health Problems of Elders</td>
<td>3</td>
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</tbody>
</table>

**Description**

See NURS 552/652

**Course Outcome**


**Prerequisite**


**Corequisite**

122
Description
This course will critically examine research methods for the study of health disparities with culturally diverse and/or underserved individuals and families. The conceptualization and measurement of variables representing risk and disparities in individual and family research will be given particular attention, including: gender, sexual orientation, race and ethnicity, income and education, disability, and geographic location. Research methods will be examined for their biases and for their ethical, policy, and funding consequences to individuals and families experiencing health disparities. Strategies to increase the research involvement and inclusion of individuals and families experiencing social and health disparities will be included.

Course Outcome
1. Critically evaluate research for applicability of methods for the study of health disparities across individuals and families.
2. Critically evaluate research for cultural, geographic, ethnic and other biases embedded in risk and disparities.
3. Critically evaluate research methods for their ethical, policy and funding consequences on individuals and families experiencing health disparities.
4. Propose strategies to improve the involvement and inclusion of individuals and families experience health disparities in the conceptualization, design, dissemination and evaluation of research

Prerequisite
NURS 613, NURS 614, NURS 615, NURS 616

Corequisite
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<th>Course Code</th>
<th>656</th>
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<tr>
<td>Total Credits</td>
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<tr>
<td><strong>Theoretical Foundations for Nursing Research</strong></td>
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**Description**

The focus of this course will be the analysis of selected theoretical and conceptual perspectives for framing nursing research. Theories will include, but not be limited to Symbolic Interaction and ethical theories commonly referenced in human subjects research. The philosophical underpinnings, key assumptions, central concepts, and major propositions of each perspective will be explored and their implications for research will be examined. Emphasis will be placed on the integration of Philosophy of Science and Knowledge Development in Nursing to enhance the understanding and implications of the various theoretical perspectives.

**Course Outcome**

1. Analyze the philosophic underpinnings and key assumptions in selected theories used for nursing research
2. Evaluate the use of selected theories in framing nursing research
3. Analyze a theory for use in guiding research in the student’s area of interest
4. Compare different ethical perspectives for their application to issues in research conduct

**Prerequisite**

None

**Corequisite**

None
**Synthesis of Research Literature**

<table>
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<tr>
<th>NURS 657</th>
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### Description
This course provides strategies for finding, organizing, and using scientific literature to develop a logical foundation for a student’s research study or program of research. Students will learn to effectively use electronic tools to conduct thorough searches for published studies pertinent to their own research areas of interest, how to identify weaknesses in earlier studies, and how to organize and synthesize the knowledge base to reveal patterns and gaps that lead to new research questions.

### Course Outcome
1. Use advanced search and retrieval strategies to locate prior research in a research area of interest.
2. Identify weaknesses and strengths of published research reports.
3. Develop a system for organizing evidence in student’s area of research interest, including an evidence table.
4. Write a synthesis of selected studies in student’s area of research interest demonstrating integration of commonalities and distinctions among the studies.

### Prerequisite
NURS 613, NURS 614, NURS 615, NURS 616

### Corequisite
NURS 621
<table>
<thead>
<tr>
<th>NURS</th>
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**Curriculum and Instruction in Nursing**

**Description**
See NURS 561/661

**Course Outcome**

**Prerequisite**

**Corequisite**
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<th>NURS</th>
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<th>Assessment of Learning in Nursing</th>
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**Description**

See NURS 562/662

**Course Outcome**

**Prerequisite**

**Corequisite**
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<tr>
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<td>Simulation in Nursing Education</td>
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**Total Credits**: 3

**Description**
See NURS 563/663

**Course Outcome**

**Prerequisite**

**Corequisite**
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**Course Outcome**

**Description**
See NURS 564/664

**Prerequisite**
Permission of Instructor.

**Corequisite**
Nursing Faculty Roles and Responsibilities

Total Credits 1

Description
This course is an exploration of the multiple roles of nursing faculty in research, education and practice. Changes in academic life with the advent of the 21st century, responsibilities inherent in faculty positions in a professional discipline, and approaches to balancing demands for new faculty will be explored.

Course Outcome

Prerequisite None

Corequisite
Concepts of Comprehensive Care in Advanced Nursing Practice

Total Credits 3

Description
The purpose of this course is to explore core concepts that are essential to comprehensive care. Principles core to ethical reasoning and analysis in clinical care will be presented. Professional role components of advanced nursing practice, scope of practice, and legal and patient safety responsibilities will be examined.

Course Outcome
1. Analyze professional components of advanced nursing practice related to legislative/regulatory processes, credentialing, professional organizations, and work environments.
2. Identify and analyze the professional components of advanced practice nursing, emphasizing role development, scope of practice, legal responsibilities, and patient safety initiatives.
3. Examine ethical theory and principles to guide advanced practice nursing

Prerequisite
Graduate standing.

Corequisite
Curriculum Report

NURS 701

Policy and Population Based Care

Total Credits 3

Description
This course will provide the foundations to evaluate health care policy and the intended and unintended health outcomes. Basic principles of population-based care including relevant epidemiological concepts will be introduced. Social, political, legal, economic, and environmental determinants of health, access to care, and health inequality will be explored.

Course Outcome
1. Analyze health policy and identify its intended and unintended health outcomes.
2. Apply basic principles of population-based care including relevant epidemiological concepts to understand the diseases and health problems of individuals and populations.
3. Examine and analyze the determinants of health, access to care, and health inequality.

Prerequisite
Graduate standing

Corequisite
Description
In this course, competencies for doctoral nursing practice will be examined for application in the clinical residency. Ethical principles will be analyzed and extended to the conduct of clinical inquiry in doctoral nursing practice.

Course Outcome
1. Identify the competencies for doctoral nursing practice and analyze their implications for the clinical residency. 2. Examine ethical theory and principles to guide the conduct of clinical inquiry in doctoral nursing practice.

Prerequisite
Masters degree in advanced practice nursing and NURS 701

Corequisite

133
### Description
Students independently conduct a DNP project within the advanced nursing practice specialty. The project is developed within the context of the students’ DNP Practicum experience and requires students to integrate delivery and evaluation of practice.

### Course Outcome
The purpose of the DNP Project is to demonstrate synthesis of the student’s work and provide an experience that can be the foundation for future practice-related scholarship. This practice-related scholarship can take several forms.

### Prerequisite
NURS 715; NURS 790 may be concurrent.

### Corequisite
NURS 790
The reading and conference provides an opportunity for an in depth review and synthesis of a specified body of literature under the guidance of a faculty of record. A description of the content area and the objectives for the reading and conference must be developed with the faculty of record and filed with the student’s program of study.

Course Outcome

Prerequisite

Permission of faculty of record

Corequisite
Advanced Nursing Practice Practicum

Description
Students integrate practice experiences within an advanced nursing practice specialty/population with the scholarly activities of their Doctor of Nursing Practice (DNP) program of study. The student works toward a synthesis and integration of program competencies within the context of the student’s chosen population.

Course Outcome
The Advanced Nursing Practice Practicum provides the opportunity for students to meet the practice hours expected of DNP students and to work towards meeting the advanced nursing practice expectations of the DNP program, specifically to: "Practice within an advanced practice specialty in a professional, evidence-based, skilled, and ethical manner." The student and faculty establish practicum goals on a regular basis and these goals form the basis for evaluating student competencies or outcomes.

Prerequisite
Master's degree and concurrent enrollment in DNP program of study.

Corequisite
Evaluating Evidence for Advanced Nursing Practice

Total Credits: 3

Description
This course provides a framework for applying evidence to clinical practice. Students locate, critically evaluate, and synthesize evidence from qualitative and quantitative studies used for decision-making in advanced practice. Approaches to quality/practice improvement, program evaluation, and translating research into practice are presented.

Course Outcome
1. Access evidence for practice questions. 2. Analyze research and other evidence for practice. 3. Identify the appropriate components of quality/practice improvement, program evaluation, and translating research into practice for a given clinical inquiry question. 4. Apply criteria for evaluating the credibility of qualitative findings. 5. Prepare an evidence table related to a clinical question. 6. Make recommendations for nursing practice and policy based on evidence. 7. Apply information about test sensitivity and specificity to the selection of diagnostic tests for practice.

Prerequisite
Graduate standing.

Corequisite
Description

In this course, strategies for evaluating outcomes of care, care systems, programs, and quality improvement methods to change practice are examined.

Course Outcome

1. Determine outcomes of care for a given population that are sensitive to a specific Advanced Practice Nursing role and appropriate to the population.
2. Describe variables and measures related to systems of care that evaluate care.
3. Select criteria for evaluation of programs.
4. Use quality improvement methods and measures to change care.
5. Develop practice improvement guidelines synthesizing best evidence from the research and clinical literature.

Prerequisite

NURS 713

Corequisite
Description
Strategies for selecting clinical inquiry designs and analyzes for answering practice questions are applied to students selected inquiry questions. Students analyze and interpret qualitative and quantitative data.

Course Outcome
1. Select the appropriate design and analysis for a clinical inquiry question.
2. Situate a clinical inquiry question within the framework for quality/practice improvement, program evaluation, and/or translating research into practice.
3. Discuss tradeoffs in designing a clinical inquiry project.
4. Compute with statistical software and interpret commonly used measures such as means, standard deviations, t-tests, correlations, confidence intervals and limits, odds ratios, linear and logistic regression, power, and effect size.
5. Compare and contrast qualitative and quantitative data collection strategies.
6. Analyzes qualitative data to answer practice questions.
7. Evaluates mixed methods approaches to practice questions.

Prerequisite
NURS 714

Corequisite
DNP Integration Seminar

Total Credits 1

Description
The purpose of this seminar is to help the student to integrate concepts and principles learned in NURS 700 and NURS 701 with their advanced nursing practice. The seminar will provide a forum for scholarly exchange and learning about doctoral level advanced nursing practice.

Course Outcome
1. Participate in scholarly discussions of leadership roles in practice.
2. Examine practice or clinical population in relation to determinants of health and health access, and the epidemiology of characteristic diseases and/or health problems.
3. Analyze ethical dilemmas from clinical practice utilizing a theoretical model and principles.
4. Analyze the influence of policy, health systems, and financing mechanisms on quality, safety, and advanced clinical practice.

Prerequisite
NURS 701

Corequisite
**Description**

The course reviews and analyzes genetic influences and determinants affecting the health of individuals, families and communities. Social, political, legal and ethical factors will be examined. Application to healthcare practice is stressed.

**Course Outcome**

1. Assess and identify common genetic syndromes, diagnosis and care referral sources.
   - Demonstrate an understanding of the relationship of genetics and genomics to health, prevention, screening, diagnostics, prognostics, selection of treatment, and monitoring of treatment effectiveness.
   - Identify and assess credible, accurate, appropriate, and current genetic and genomic information, resources, services, and/or technologies specific to given clients.

2. Explore the influence of genomics and health equity.
   - Analyze ethical, ethnic/ancestral, cultural, religious, legal, fiscal, and societal issues related to genetic and genomic information and technologies.
   - Identify and assess genetic and genomic information, resources, services, and/or technologies for population-based and systems-level care

**Prerequisite**

None

**Corequisite**

141
Health Systems: Organization and Change

Total Credits 3

Description
This course provides a critical examination of the organization of health care systems at national, regional, state and local levels. Organizational change affecting health care delivery is explored from a systems perspective.

Course Outcome
1. Analyze structures, functions, and dynamics within organizations, beginning with dyadic relationships and extending to complex virtual organizations.
2. Incorporate change and complexity science theories and models into doctoral-level practice.
3. Develop strategies to bridge the political, legal, and ethical issues that emerge when dealing with conflict and other de-stabilizing organizational factors.

Prerequisite
NURS 701

Corequisite
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3. Develop strategies to bridge the political, legal, and ethical issues that emerge when dealing with conflict and other de-stabilizing organizational factors.

### Prerequisite

None

### Corequisite

None
NURS 734

Total Credits 3

Description
The course focuses on the design, implementation and evaluation of health policies and their origins and consequences. The impact of health policy on clinical practice and health care, and methods for affecting the process of health policy formation are examined.

Course Outcome
At the end of this course, students will be able to:
1. Critically analyze and evaluate a health policy of interest, or a proposed health policy in terms of implications for advanced nursing practice, other health disciplines and health professional education.
   Develop an evidence-based policy brief for an existing or proposed health care policy of interest.

Prerequisite
Admission to the Doctor of Nursing Practice program

Corequisite
## Principles of Health Care Economics and Finance in Quality Care Delivery

### Total Credits
2

### Description
This course will provide the foundation for assessing the financial impact of practice policies, procedures, and initiatives when meeting the health needs of the practice populations. The course will emphasize the analysis of practice quality and cost effectiveness of care, as well as the use of principles of economics and finance to redesign effective and realistic care delivery strategies and/or practice initiatives.

### Course Outcome
1. Apply economic theory, financial principles, and business planning techniques to positively affect the outcome of care and financial viability of an organization or practice.
2. Integrate issues of access, cost, efficacy, and quality when making care decisions.
3. Evaluate financial statements and variance reporting to determine organizational opportunities.
4. Evaluate the components of a contract to determine the financial impact on the organization.
5. Evaluate variability in care and develop strategies to reduce that variability.

### Prerequisite
NURS 701, NURS 733

<table>
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<tr>
<td>NURS 740</td>
<td>Urgent and Emergent Rural Primary Care Management for Nurse Practitioners</td>
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</tbody>
</table>

**Description**

This course addresses the assessment and management of urgent and emergent patient conditions commonly encountered by advanced practice nurses in rural primary care settings. Implications of urgent/emergent primary care in rural health systems will be included.

**Course Outcome**

1. Apply concepts of rurality to individual and population health care systems.  
2. Differentiate urgent from emergent needs, manage injuries, and coordinate care for clients with trauma and/or rapidly evolving emergency medical problems based in a rural geographic context.  
3. Implement the Incorporation of essential diagnostic criteria including ABC's and triage, while synthesizing anticipatory guidance for the prevention of injury.  
4. Utilize professional literature resources to develop appropriate After-Care Instructions (ACI) for the urgent/emergent patient.  
5. Perform a variety of advanced acute care laboratory procedures: e.g., suturing, splinting, x-ray reading, fluorescein staining of eye, eye, ear, and nose foreign body removal, ECG reading.

**Prerequisite**

Accepted into the Rural Health Track of permission of instructor

**Corequisite**

146
NURS 790

DNP Practicum

Total Credits 18

Description
Students provide leadership to create change in population based health care and complex health care delivery systems. Students integrate practice within an advanced nursing practice specialty with scholarly inquiry to influence outcomes of practice and health care policy. Synthesis and integration of program competencies are demonstrated within the context of the student’s chosen population.

Course Outcome
The DNP Practicum provides the opportunity for practice experiences designed to achieve learning goals related to the DNP Essentials as well as specialty or subspecialty competencies. For MN/DNP students, the DNP Practicum is an opportunity to build and assimilate knowledge for advanced specialty practice, perhaps with a subspecialty focus, in addition to providing an opportunity to synthesize the other DNP essentials. Post master’s DNP students will also have the opportunity for in-depth subspecialty work with experts from nursing as well as other disciplines but greater emphasis will be placed on the synthesis and integration of the DNP essentials into their advanced specialty practice. The DNP Practicum provides the context within which the clinical inquiry project is completed.

At the end of the program, students will:
1. Practice within an advanced practice specialty in a professional, evidence-based, skilled, and ethical manner,
2. Influence health and health outcomes of individuals, groups, and populations through scholarly inquiry and
3. Influence health policy and systems of care in the local, regional, state, national, and international forums.

Prerequisite
All required core coursework except NURS 703 which is concurrent.

Corequisite