NURSING  
College of Nursing

110 Exploring Nursing  
Fall, Spring. 2(2-0)  
Introduction to the bio-psycho-social conceptual model of persons in relation to nursing and health. Core concepts and theoretical foundations that frame the art and science of nursing. Development of the profession from inception into contemporary practice and its relationship to the U.S. healthcare system.

202 Introduction to Nursing Practice I  
Fall. 2(1-3) R: Open only to students in the College of Nursing.  
Theoretical concepts of nursing necessary for professional practice. Assessment, interpersonal communication, documentation, and decision-making.

204 Introduction to Nursing Practice II  
Spring. 4(2-6) P: NUR 202 and (PHM 350 or concurrently) C: PHM 350 concurrently.  
PRACTICUM in simulated and clinical practice settings. Development of nursing practice psychomotor skills.

300 Pathophysiology  
Fall, Spring. Summer. 4(4-0) P: (ANTR 350) and (PSL 310 or PSL 250) RB: Preprofessional students entering patient care disciplines. Not open to students with credit in NUR 341.  
How disrupting normal structures and functions of the human body leads to disease processes from the cellular to the multi-system level. Critical examination of the mechanisms underlying signs and symptoms.

304 Practicum in Nursing Care of the Adult  
Fall, Spring. 3(0-9) P: NUR 204 and NUR 341 C: NUR 303 concurrently.  
PRACTICUM in care of the adult client with an emphasis on health promotion, disease prevention, care in acute and chronic illness, and rehabilitation.

306 Practicum in Nursing Care of the Childbearing Family  
Fall, Spring. 3(0-9) P: NUR 204 and NUR 341 C: NUR 305 concurrently.  
PRACTICUM in care with culturally diverse childbearing families during the prenatal, intrapartum and postpartum periods. Implementation of nursing process in various settings. Levels of risk reduction and health promotion.

308 Practicum in Nursing Care of Children and Their Families  
Fall, Spring. 3(0-9) P: NUR 204 and NUR 341 C: NUR 307 concurrently.  
Clinical application of the theoretical concepts presented in NUR 307. Variety of health settings will be utilized for clinical practice.

313 Transition to Baccalaureate Nursing and Online Learning  
Fall. 1(1-0) R: Open only to students in the RN tracking major.  

316 Health and Physical Assessment  
Fall. 3(1-6) R: Open only to students in the RN tracking major.  
Health and physical assessment, documentation and interpersonal skills. Concepts of aging and cultural competence within the context of clinical decision-making.

319 Introduction to Nursing Theory and Research  
Spring. 3(3-0) P: (STT 200 or STT 201) or completion of Tier I writing requirement R: Open only to students in the College of Nursing. Not open to PreNursing majors. Major nursing theories and their application to practice. The research process, terminology and investigations undertaken in nursing.

330 Health Assessment and Nursing Therapeutics  
Fall. Spring. 7(3-10) P: NUR 300 C: PHM 350 concurrently or NUR 350 concurrently or NUR 340 concurrently.  
Normal physiology and pathophysiology. Theories of growth and development across the life span. Therapeutic communication and physical, psychosocial, cultural and spiritual assessment techniques and mastery of basic nursing therapeutics. Understanding the significance of abnormal physiological health transitions of the adult.

335 Health Assessment  
Spring. 3(2-3) RB: Registered Nurse admitted to the RN-BSN program. R: Open to students in the Nursing major. Not open to students with credit in NUR 316.  
Baccalaureate-level knowledge and skills needed to assess the health and wellness status of individuals and families across the lifespan and from diverse and vulnerable populations. Influence of genetic, genomics, culture, environment, and aging.

340 Foundations of Nursing Practice  
Fall, Spring. 4(4-0) P: (NUR 300) and completion of Tier I writing requirement C: PHM 350 concurrently or NUR 330 concurrently or NUR 340 concurrently.  
Theories and principles underlying professional nursing practice. Development of basic principles for using empirical evidence and the research process to guide practice.

341 Clinical Problems in Adaptation  
Spring. 3(3-0) R: Open only to students in the College of Nursing. Not open to PreNursing majors.  
Theoretical concepts related to individual’s adaptive-maladaptive responses to stress. Emphasis on pathophysiology.

355 Integrative Seminar I  
Summer. 2(4-0) P: NUR 300 RB: Registered Nurse admitted to the RN-BSN program. R: Open to students in the Nursing major. Not open to students with credit in NUR 350. C: NUR 340 concurrently.  
Integration of concepts and theories of baccalaureate nursing practice. Examination of dynamic interrelationships among professional, scholarly nursing practice, and the health and wellness of diverse persons and populations. Synthesis of content with previous knowledge.

360 Adult Nurs Care of Adults and Older Adults  
Fall, Spring. 8(4-12) P: NUR 350 C: NUR 370 concurrently or NUR 380 concurrently.  
Intensive theory course integrating foundational pharmacology, pathophysiology, and first level nursing courses. Addressing acute and chronic conditions in an acute care setting.

370 Mental Health and Psychiatric Nursing  
Fall, Spring. 4(2-6) P: NUR 350 and NUR 330 and NUR 340 and PHM 350 C: NUR 360 concurrently or NUR 390 concurrently.  
Extension of foundational social science concepts into nursing therapeutics aimed at mental health and the care of persons with mental illnesses. Medication and non-medication interventions, group interventions, and therapeutic environments.

380 Level II Integrative Seminar  
Fall, Spring. 1(2-0) P: NUR 350 C: NUR 360 concurrently or NUR 370 concurrently.  
Integration of concepts and theories into nursing practice. Dynamic interrelationship between professional, scholarly nursing practice, and health and wellness of diverse adults with medical-surgical and psychiatric illnesses.

400 Pharmacology for Nurses  
Spring. 3(3-0) P: NUR 313 and NUR 319 and NUR 341  
Principles of nursing management in drug therapy, drug classifications and patient-related variables. Assessment and evaluation of patient responses in relation to health, age, lifestyle, gender, ethnicity and other cultural factors.

402 Global Health  (D)  
Spring. 3(3-0) Spring: Abroad and Africa.  
Factors and dynamics that affect the health of human populations and population status. Role of national governments and international agencies in the policy and planning of health care resources and services.

407 Concepts in Community Health Nursing  
Summer. 2(2-0) P: NUR 313 and NUR 316 and NUR 341 and NUR 400 R: Open only to students in the RN tracking major.  
Theoretical foundation for contemporary community and public health nursing practice.

409 Concepts of Psychiatric, Mental, and Community Health Nursing  
Fall, Spring. 4(4-0) P: Completion of Tier I writing requirement R: Open only to students in the College of Nursing. Not open to PreNursing majors.  
Health care trends and issues in public and mental health. Role, responsibilities, and activities of nurses in the provision of care in public and mental health.

410 Practicum in Community Health Nursing  
Fall, Spring. 3(0-9) P: Completion of Tier I writing requirement R: Open only to students in the College of Nursing. Not open to PreNursing majors. C: NUR 409 concurrently.  
Clinical experience in community health nursing focusing on application of public health and nursing principles in the care of individuals, families and aggregates in a variety of settings.
and the delivery of health care within organizations. Management theories and processes on nursing practice between western and traditional Ghana health care.

413 Issues in Professional Nursing
Fall, Spring. 2(2-0) P: Completion of Tier I writing requirement. R: Open only to students in the College of Nursing. Past, current, and future impact of selected legal, economic, educational, social, political, ethical, and professional forces on health care and nursing practice at local, national, and international levels.

415 Core Competencies in Nursing III
Fall, Spring. 4(4-0) P: NUR 315 R. Open only to students in the College of Nursing. Advanced assessment core of nursing competencies synthesizing natural, social, and nursing science.

416 Leadership and Management in Nursing
Fall, Spring. 3(1-2) R: Open only to students in the College of Nursing. Not open to students with credit in NUR 420. Roles and responsibilities related to leadership and management in nursing practice. Impact of management theories and processes on nursing practice and the delivery of health care within organizations.

420 Senior Practicum in Nursing
Fall, Spring. 4(4-0) R: Open only to students in the College of Nursing. Not open to PreNursing majors. Synthesis and application of nursing concepts as they relate to health care delivery in a variety of health care settings.

422 Nursing in Great Britain
Summer. 5(5-0) R: Approval of College. Historical evolution of nursing in the National Health Service: British nursing education, hospital and community health nursing, standards of care, re-search, and management. Influence of professional nursing upon British national health policies.

424 History of Nursing in the United States
Spring. 3(3-0) R: Open only to PreNursing majors. Development of professional nursing education and practice from its inception in the United States. Reading historical documents and identifying specific concepts relevant to nursing history. Historical research as a valid means of scholarly inquiry.

426 Theoretical Basis for Critical Care
Fall, Spring. Summer. 2(2-0) P: NUR 304 or NUR 360 R: Open to seniors in the College of Nursing. Nursing care of clients in critical care, requiring synthesis of pathophysiological, pharmacologic, and therapeutic concepts. Family theory, stress-adaptation, psychosocial concepts and legal and ethical issues.

429 Health Care in Ghana (I)
Summer. 2(2-0) Summer: Abroad and Afri-ca. R: Approval of college. Major health issues and health care system in western and traditional Ghana culture. Health status indicators and determinants; major programs and strategies; organization of the health care system; access to and payment for care; role, image and status of health care providers; and the interface between western and traditional Ghana health care.

435 Nursing Care of the Childbearing Family
Fall, Spring. 4(2-6) P: NUR 360 and NUR 370 and NUR 380 C: NUR 440 concurrently and NUR 450 concurrently. Health promotion and risk assessment of individuals and families during pregnancy and birth. Therapeut-ic communication and assessment skills for providing holistic care to culturally diverse childbearing families during the prenatal, intrapartum, and post-partum periods. Caring for mother and baby in utero and after birth.

440 Nursing Care of Children, Adolescents and Their Families
Fall, Spring. 4(2-6) P: NUR 360 and NUR 370 and NUR 380 C: NUR 435 concurrently or NUR 450 concurrently. Theoretical concepts and clinical application of nursing care of infants, children, and adolescents in varied health care and community settings. Synthe-sis of pathophysiological, pharmacological, and thera-peutic concepts. Family-centered care of children within developmental, cultural, ethnic, religious, and social structures.

450 Level III Integrative Seminar
Summer. 2(4-0) P: NUR 380 C: NUR 435 concurrently or NUR 440 concurrently. Integration of concepts and theories into intermedi-ate-level nursing practice. Dynamic interrelationship between professional, scholarly nursing practice and health and wellness of diverse families, from childbearing through adolescence.

455 Integrative Seminar II
Summer. 2(4-0) P: NUR 340 and NUR 335 and NUR 355 and NUR 400 RB: Registered Nurse admitted to the RN-BSN program. R: Open to students in the Nursing major. Not open to students with credit in NUR 450. Intermediate-level nursing concepts and theories of baccalaureate nursing practice. Dynamic interrela-tionships among professional, scholarly nursing practice, and the health and wellness of health care organizations.

460 Leadership Clinical Immersion
Fall, Spring. 3(3-0) P: NUR 335 and NUR 440 and NUR 450 (and completion of Tier I writing requirement C: NUR 470 concurrent-ly or NUR 480 concurrently. Theories, principles, and practices of leadership, management, and nursing care delivery systems in a variety of agency settings. Application of theories and principles in a mentored practicum.

465 Leadership Immersion
Summer. 4(3-3) P: NUR 335 and NUR 340 and NUR 335 and NUR 400 RB: Registered Nurse admitted to the RN-BSN program. R: Open to students in the Nursing major. Not open to students with credit in NUR 460. C: NUR 450 concurrently. Integration and application of theories, principles, and practices of nursing leadership, management, and care delivery systems into contemporary prac-tice settings. Application of evidenced-based prac-tice to agency-specific project.

470 Community and Population Health Nursing
Fall, Spring. 4(2-6) P: NUR 435 and NUR 440 and NUR 450 C: NUR 460 concurrently and NUR 480 concurrently. Theoretical and practicum basis for community-oriented population nursing practice. Promoting and protecting the health of the public using health pro-motion, risk reduction, and disease management and control strategies with vulnerable persons and populations. Community assessment, epidemiolog-ic, environmental, change, political action, and case-management frameworks are used to guide evi-dence-based nursing care delivery to persons, families, and populations in community settings.

480 Role Transition Seminar
Fall, Spring. 2(4-0) P: (NUR 450 and completion of Tier I writing requirement C: NUR 460 concurrently or NUR 470 concurrently. Advanced-level concepts and theories for entry-level nursing practice. Dynamic interrelationship between professional, scholarly nursing practice, and health and wellness of diverse populations and health care organizations.

485 Role Transition Seminar
Fall. 2(4-0) P: NUR 365 and NUR 440 and NUR 400 and NUR 455 and NUR 35B RB: Registered Nurse admitted to the RN-BSN program. R: Open to students in the Nursing major. Not open to students with credit in NUR 480. C: NUR 470 concurrently. Advanced-level nursing concepts and theories of baccalaureate nursing practice. Dynamic interrela-tionships among professional, scholarly nursing practice, and the health and wellness of diverse populations.

490 Independent Study in Nursing
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. R: Open only to students in the College of Nursing. Not open to PreNursing majors. Approval of college. Individualized area of study in Nursing.

491 Special Topics
Fall, Spring, Summer. 2 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to students in the College of Nursing. Not open to PreNursing majors. Exploration of selected issues in nursing.

801 Advanced Professional Role
Fall. 2(2-0) R: Open only to master's students in the College of Nursing. SA: NUR 501 Exploration of the roles of the Master of Science in Nursing graduate in contemporary health care or-ganizations. Cost and value of the MSN. Role in collaborative care and managed care. Evaluation of individual impact on quality of health care.

802 Theoretical Foundations and Role Development for the Advanced Practice Nurse
Fall. 3(3-0) R: Open to graduate students in the College of Nursing. Not open to students with credit in NUR 801 or NUR 803. Integration of theories from nursing and related disciplines to provide a foundation for the graduate student to transition into the advanced practice role.
803 Conceptual and Theoretical Frameworks
Fall. 3(3-0) R: Open only to master's stu-
dents in the College of Nursing or approval of
college.
Conceptual and theoretical frameworks and their
applicability to advanced nursing practice, teaching,
and research.

804 Statistics for the Healthcare Professional
Spring. 3(3-0) R: Open to graduate stu-
dents.
Basic understanding of descriptive statistics, proba-
bility, linear regression and epidemiological con-
cepts.

805 Pathophysiology for Advanced Practice
Nursing
Fall. 3(3-0) R: Open only to master's stu-
dents in the College of Nursing or approval of
college. SA: NUR 511
Alterations of various physiological systems. Patho-
physiology of frequently encountered primary care
conditions across the life span and special popula-
tions. In-depth case analysis of risk factors, patho-
physiological changes, and associated clusters of
signs and symptoms. Pathophysiological theories
and research as a basis for advanced practice nurs-
ing.

806 Research for Advanced Practice Nurses
Fall. 3(3-0) R: Open to graduate students in the
College of Nursing. Not open to students with
credit in NUR 815.
Prepares advanced practice Nurses who are profi-
cient in the ethical utilization and clinical application
of research including problem identification and
evaluation to provide high quality care and improve
practice.

807 Clinical Decision Making
Spring. 3(1-6) P: NUR 805 and (NUR 820 or
NUR 830) R: Open to masters students in the
College of Nursing.
Clinical decision making in advanced practice nurs-
ing. Decision theory and related concepts. Applica-
tion of critical thinking and clinical judgment to dif-
erential diagnoses of common primary care condi-
tions.

809 Applied Pharmacology for Advanced
Practice Nursing
Spring. 3(3-0) P: NUR 805
Clinical application of advanced pharmacology and
pharmacotheapeutics for common disease condi-
tions. Principles of altered pharmacodynamics rela-
tive to age, race, and ethnic groups. Cost and bene-
fit aspects of pharmacological interventions.

810 Issues in Community-Based Care
Spring. Summer. 3(3-0) P: NUR 801 and
NUR 803
Conceptual basis for the analysis of health care
issues. Health promotion, risk reduction, health dis-
parities, evidence and population-based health care.
Cultural competence and ethical issues related to
health care within the context of primary care.

814 Health Care Policy and Politics
Spring. 3(3-0) P: NUR 802 R: Open to gradu-
ate students in the College of Nursing. Not
open to students with credit in NUR 841.
Nursing and public policy formation in relation to
healthcare systems organization, financing, regula-
tion, ethics, and delivery of services within a global
society.

815 Research and Evaluation for Master's
Level Prepared Nurses
Spring. 4 to 5 credits. P: NUR 801 and
NUR 803 and NUR 805 and NUR 809 and
NUR 815 and NUR 860 RB: Open only to
students enrolled in the CNS concentration.
R: Open to graduate students in the Master of
Science in Nursing. SA: NUR 811, NUR 813
Concepts and principles of scientific investigation,
including research design, measurement, sampling,
ethics, and selected analysis techniques commonly
used in nursing and related health disciplines and
evaluation research.

820 Health Assessment of the Family
Fall. 3(1-6) RB: Open only to students in the
Nurse Practitioner concentration. R: Open to
students in the Master of Science in Nurs-
ing. Approval of college.
Advanced assessment component of the nursing
process to analyze the health status of children and
adults across the lifespan.

821 Primary Care Management of the Family I
Summer. 5(3-0) P: NUR 801 and NUR 803
and NUR 807 and NUR 809 and NUR 815
and NUR 820 SA: NUR 522
Principles and issues of health care management for
family advanced practice nurses in primary care.
Health promotion, disease prevention, and single
acute problems of individuals across the life span
and for diverse populations. Analysis of primary care
practice topics using family frameworks and evi-
dence based research.

822 Practicum I: Primary Care for the Family
Fall. 6(0-18) P: NUR 815 and NUR 821 SA:
NUR 522
Integration of assessment and applied theory in
primary care management of clients across the life
span. Collaborative model of primary care practice.
Health promotion, health maintenance management,
and risk reduction strategies for individuals within
the context of family. Single acute condition focus.
Problem-oriented format for organizing client data.

823 Primary Care Management of the Family
II
Fall. 3(3-0) P: NUR 815 and NUR 821 SA:
NUR 524
Principles and issues of health care management for
family advanced practice nurses in primary care.
Health care management of clients across the life
span with chronic, stable and/or multiple complex
problems. Integration and synthesis of relevant
frameworks.

824 Practicum II: Primary Care for the Family
Spring. 7(0-21) P: NUR 822 and NUR 823
SA: NUR 524
Integration of assessment and applied theory in
primary care management of clients across the
lifespan. Collaborative model of primary care prac-
tice. Health care management of chronic, stable and
multiple complex problems of individuals within the
context of family. Increasingly independent decision
making with preceptor validation.

832 Practicum I: Primary Care for the Adult
and Aged
Fall. 6(0-18) P: NUR 815 and NUR 835 and
NUR 836 R: Open to graduate students in the
Master of Science in Nursing.
Integration of assessment and applied theory in
clinical care management of the adult and aged.
Health promotion/wellness, health mainte-
nance/management and risk reduction strategies.
Acute conditions. Interpretation and integration of
various forms of patient health data. Collaborative,
collegial model of practice.

834 Practicum II: Primary Care for the Adult
and Aged
Spring. 7(0-21) P: NUR 832 R: Open to
graduate students in the Master of Science in
Nursing.
Integration of assessment and applied theory in
clinical management. Management of acute and
chronic health problems, promotion of rehabilitation
and health maintenance for adult and aging individ-
uals across a variety of environments. Provision of
specialized, culturally appropriate care to aging
individuals, family members and the community.
Collaborative, interdisciplinary model of practice.

835 Health Assessment of the Adult and
Aged
Fall. 3(1-6) RB: Successful completion of
basic physical/health assessment course. R: Open
to graduate students in the Master of
Science in Nursing.
Advanced health assessment skills to provide com-
prehensive, culturally sensitive care to adults and
aging individuals. Interviewing techniques, commu-
nication, interpersonal skills and psychomotor skills.
Analysis of health status including the role of risk
factors and health promotion strategies. Emphasis
placed on functional implications. Interpretation of
data for the purpose of differentiating typical from
atypical presentations and recognizing actual and
potential health problems.

836 Primary Care Management of the Adult
and Aged I
Spring. 3(3-0) P: NUR 835 R: Open to gradu-
ate students in the Master of Science in
Nursing.
Principles and issues of health care management for
adult and gerontological advanced practice nurses.
Health promotion, risk identification, disease preven-
tion, and acute problems for the adult and aged from
culturally diverse backgrounds. The role of risk
factors and normal aging changes on health. Analy-
sis of adult and aging health topics using appropri-
ate models, frameworks, and evidence-based re-
search.

837 Primary Care Management of the Adult
and Aged II
Fall. 3(3-0) P: NUR 815 and NUR 835 and
NUR 836 R: Open to graduate students in the
Master of Science in Nursing.
Health care management of the adult and aged
individual with stable chronic, co-morbid, complex
problems and geriatric syndromes utilizing clinically
relevant research and evidence-based, age appro-
priate, guidelines. Planning and implementing thera-
petic interventions to return the patient to a stable
state and to optimize health, minimizing physical
and psychological complications and maximizing
health potential. Integration and synthesis of rele-
vant theories and frameworks. Coordination of care.
Nursing—NUR

838 Care for Aging Individuals Across the Health Care Continuum
Summer. 1(1-0) R: Open to graduate students in the Master of Science in Nursing or approval of college; application required. Regulation, financing methods, forms of service delivery, and management methods in care of the older adult within a variety of health care environments. Aging of the American society, the impact of the baby-boomer generation, consumer choice, and the growing diversity in care options, focusing on long-term care.

841 Health Care Policy in Perspective: Economics, Politics and Ethics
Spring. 2(2-0) SA: NUR 503 Economic, political and regulatory environment of the U.S. health care system. Quality, costs, equity in access of services. Comparison of U.S. systems with those of other advanced industrial countries.

850 Health Assessment of Adults
Fall. 3(1-6) RB: Open only to students in the Nurse Practitioner concentration. R: Open to students in the Master of Science in Nursing or approval of college. Not open to students with credit in NUR 820. Advanced assessmentcomponent of the nursing process to analyze the health status of adults.

851 Primary Care Management of the Adult I
Fall. 4(2-6) P: NUR 801 and NUR 803 and NUR 807 and NUR 809 and NUR 815 and NUR 860 Principles and issues of health care management for adult advanced practice nurses in primary care. Health promotion, disease prevention, and single acute problems of adults from diverse populations. Analysis of primary care practice topics using family frameworks and evidence based research.

852 Practicum I: Primary Care for the Adult
Fall. 6(0-18) P: NUR 851 Integration of assessment and applied theory in primary care management of adult clients. Collaborative model of primary care practice. Health promotion, health maintenance, and risk reduction strategies for individuals within the context of family. Single acute condition focus. Problem oriented format for organizing client data.

853 Primary Care Management of the Adult II
Fall. 3(3-0) P: NUR 852 Principles and issues of health care management for adult advanced practice nurses in primary care. Health care management of adults with chronic, stable and/or multiple complex problems. Integration and synthesis of relevant frameworks.

854 Practicum For Primary Care Adult Advanced Practice Nurses II
Spring. 7(0-21) P: NUR 853 R: Open only to students in the Master of Science degree in Nursing. Integration and application of assessment and relevant conceptual and theoretical frameworks in the primary care management of adults within the context of family using a "collaborative model" of primary care practice. Management of complex and stable chronic health problems. Independence in practice. Independent decision making with preceptor validation.

860 Physical Assessment for Clinical Nurse Specialist
Fall. 2(1-3) P: NUR 805 R: Open to masters students in the Master of Science in Nurs ing.

861 Curriculum Design in Nursing Education
Spring. 3(3-0) P: NUR 801 RB: Open only to masters students in Clinical Nurse Specialist-Nurse Education concentration. R: Open to graduate students in the Master of Science in Nursing. Analysis and application of theories, principles, and concepts associated with curriculum development, design, and evaluation.

862 Clinical Nurse Specialist Role Internship
Fall. 8(2-18) P: NUR 801 and NUR 803 and NUR 805 and NUR 809 and NUR 815 and NUR 860 RB: Open only to master's students in the Clinical Nurse Specialist-Nurse Education concentration. R: Open to graduate students in the Master of Science in Nursing. Role development of the clinical nurse specialist as an applied nurse scientist, expert in nursing practice, and professional leader.

864 Clinical Nurse Specialist Role Immersion
Spring. 6(1-15) P: NUR 862 and (NUR 841 or concurrently) and NUR 801 and NUR 803 and NUR 805 and NUR 809 and NUR 815 and NUR 860 R: Open only to master's students in the Clinical Nurse Specialist-Nurse Education concentration. R: Open to graduate students in the Master of Science in Nursing.

865 Nursing Education Seminar
Spring. 2(2-0) RB: Open only to students in the Clinical Nurse Specialist-Nurse Education concentration. R: Open to graduate students in the Master of Science in Nursing. Synthesis, integration, and clinical application of the essential concepts and knowledge associated with the roles of the clinical nurse specialist.

866 Academic and Clinical Teaching Internship
Fall. 3(1-6) P: NUR 861 RB: Open only to master's students in Clinical Nurse Specialist-Nurse Education concentration. R: Open to graduate students in the Master of Science in Nursing.

867 Clinical Internship in Nursing Education
Spring. 4(1-9) P: NUR 861 RB: Open only to students in the Clinical Nurse Specialist-Nurse Education concentration. R: Open to graduate students in the Master of Science in Nursing.

868 Topics in Nursing Education
Fall. 3(3-0) R: Open only to master's students in the Clinical Nurse Specialist-Nurse Education concentration. R: Open to graduate students in the Master of Science in Nursing.

874 Clinical Practicum I
Spring. 3(0-15) P: NUR 886 RB: Open only to students in the Nurse Anesthesia concentration. R: Open to graduate students in the Master of Science in Nursing. Individualized faculty-guided instruction in the management of patients receiving anesthesia, emphasizing safety, monitoring modalities, and simulated patient experiences. Experiences include introduction to the role of the nurse anesthetist and development of basic nurse anesthesia skills.

877 Anesthesia Physiology and Pathophysiology
Spring. 3(3-0) R: Approval of college. Physiological principles and pathophysiological relationships of body systems. Evaluation of co-existing pathoph physiology.

878 Advanced Physiology and Pathophysiology
Summer. 3(3-0) P: NUR 877 Homeostatic mechanisms in relation to anesthetic case management.

879 Chemistry and Physics of Anesthesia
Spring. 3(3-0) R: Approval of college. Basic chemistry and physics and their relationship to nurse anesthesia practice. Organic and biochemical principles, and pharmacological significance. Integration and application of these principles to nurse anesthesia practice.

880 Health Assessment for Nurse Anesthesia
Summer. 3(1-6) P: NUR 877 Advanced systematic focus on the health assessment of patients preparing for anesthesia, and integration of the anesthesia management plans.

881 Perioperative Technology and Instrumentation

882 Principles of Anesthesia I
Summer. 3(3-0) P: NUR 879 Art and science of nurse anesthesia and basic principles of anesthesia practice. History of anesthesia administration. Use and care of anesthesia related equipment.

883 Principles of Anesthesia II
Fall. 3(3-0) P: NUR 882 Advanced anesthesia care principles. Procedures and complications in the anesthetic management of the emergency and trauma patient. Considerations for specialty surgical areas.

884 Principles of Anesthesia III
Spring. 3(3-0) P: NUR 883 Foundations for the clinical practice of anesthesia. Integrating physiologic patient parameters, didactic knowledge, and technical skills in simulated and clinical environments.

885 Anesthesia Practicum I
Summer. 1(0-3) P: NUR 879 Design and management of the operating room. Principles and techniques of sterility, intravenous and arterial cannulation, and course of anesthesia. Basic drugs and monitoring, anesthesia management plan, documentation, and ethical considerations in anesthesia practice.
886 Anesthesia Practicum II
Fall. 2(0-3) P: NUR 885
Integration of knowledge, skills and program objectives to a broader array of patients in simulated and clinical patient environments.

887 Pharmacology for Anesthesia Practice I
Fall. 3(3-0) P: NUR 877
Pharmacology and its applications to clinical anesthesia practice.

888 Pharmacology for Anesthesia Practice II
Spring. 3(3-0) P: NUR 887
Pharmacologic principles of drug pharmacokinetics and pharmacodynamics. Factors modifying anesthetic management of patients.

890 Special Problems
Fall. Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Open only to master's students in the College of Nursing or approval of college. SA: NUR 950
Individual or group in-depth study of specific areas in nursing. Independent study.

890B Special Problems
Fall. Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course. R: Approval of college.
Individual or group in-depth study of specific areas in nursing. Independent study.

891 Selected Topics
Fall. Spring. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course. R: Open only to master's students in the College of Nursing or approval of college. SA: NUR 591
Selected issues, trends, programs, or theories in nursing.

892 Clinical Practicum II
Summer. 7(0-35) P: NUR 874 and NUR 884
Clinical application of principles of nurse anesthesia. Students will be precepted in the perioperative clinical site. Experiences include application of advanced skills specific to the role of the nurse anesthetist.

893 Clinical Practicum III
Fall. 7(0-35) P: NUR 892 RB: Open only to students in the Nurse Anesthesia concentration. R: Open to graduate students in the Master of Science in Nursing or approval of college.
Clinical application of principles of nurse anesthesia. Students will be precepted in the perioperative clinical site. Experiences include development of advanced skills specific to the role of the nurse anesthetist.

894 Clinical Practicum IV
Spring. 7(0-35) P: NUR 893 RB: Open only to students in the Nurse Anesthesia concentration. R: Open to graduate students in the Master of Science in Nursing.
Clinical application of principles of nurse anesthesia. Students will be precepted in the perioperative clinical site. Experiences include application of advanced skills specific to the role of the nurse anesthetist. The final clinical experience demonstrated substantial progress toward self direction and independent practice.

895 Clinical Seminar I
Summer. 2(2-0) P: NUR 886
Anesthesia management plans and outcomes. Evaluation of research and other literature pertinent to the safe practice of anesthesia.

896 Clinical Seminar II
Fall. 2(2-0) P: NUR 895
Review of research literature relevant to the safe practice of anesthesia. Presentation of case studies as related to pathophysiological states and safe anesthesia delivery.

897 Clinical Seminar III
Spring. 2(2-0) P: NUR 896
Review of research literature and clinical projects relevant to the safe practice of anesthesia. Presentation of scholarly project.

899 Master's Thesis Research
Fall. Spring. 1 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course. RB: NUR 811 R: Open only to master's students in the College of Nursing. Approval of college.
Master's thesis research.

901 Knowledge Development in Nursing
Fall. 3(3-0) R: Open only to doctoral students in the College of Nursing or approval of college.
Development and growth of substantive knowledge within nursing. Middle range theories. Strategies for concept development and theory testing in nursing research for understanding health status and health outcomes for individuals, families and community-based primary care.

910 Health Status Outcomes: The Individual and Family
Spring. 3(3-0) R: Open only to doctoral students or approval of college.
Measurement and conceptual underpinnings of health status outcomes for individuals and families across the life span. Focus on well-being in health and illness within community based primary care.

911 Health Status Outcomes: Community/Primary Care
Fall. 3(3-0) R: Open to all doctoral students or approval of college.
Measurement of health status outcomes for populations across the life span within the community based primary care systems. Measurement and evaluation issues related to the costs of intervention to impact outcomes.

920 Translation of Research and Scientific Knowledge to a Community Setting
Spring. 3(3-0) R: Open to doctoral students in the Nursing major or approval of college.
The systematic application of scientific knowledge to inform clinical practice, policy and delivery system changes to enhance the health status and health outcomes of community populations. Translation strategies include dissemination, networking, program development and evaluation.

930 Methods in Clinical Research
Spring. 3(2-3) R: Open to all doctoral students or approval of college.
Advanced research designs, measurement and data collection strategies. Draws on a broad range of behavioral and health disciplines relevant to nursing. Logic of statistical models used in the evaluation of research designs and measures.