NRSG - Nursing

NRSG 116 Introduction to Professional Nursing: 2 Credits (2 Lec)
(F, Sp) This course provides knowledge of the professional origin of nursing, including the historical context and its relevance to current healthcare delivery. Students will explore issues surrounding the profession, multiple nursing roles and concepts related to the dimensions of nursing practice.

PREREQUISITE: As determined for each offering. Courses not required in any curriculum for which there is a particular one-time need, or given on a trial basis to determine acceptability and demand before requesting a regular course number.
Repeatable up to 6 credits.

NRSG 242 Complementary Healing: 2 Credits (2 Lec)
PREREQUISITE: Undergraduate nursing students or permission of the instructor. The purpose of this course is to explore the time honored medical models and treatments of Complementary and Alternative Medicine (CAM). Using quality of life as a foundation, students will explore the integration of these models into practice.

NRSG 290R Undergraduate Research: 1-6 Credits (1-6 Other)
Directed undergraduate research/creative activity which may culminate in a written work or other creative project. Course will address responsible conduct of research.
Repeatable up to 6 credits.

NRSG 291 Special Topics: 1-4 Credits (1-4 Lec)
PREREQUISITE: As determined for each offering. Courses not required in any curriculum for which there is a particular one-time need, or given on a trial basis to determine acceptability and demand before requesting a regular course number.
Repeatable up to 12 credits.

NRSG 292 Independent Study: 1-3 Credits (1-3 Other)
PREREQUISITE: Consent of instructor and approval of department head.
Directed research and study on an individual basis.
Repeatable up to 6 credits.

NRSG 294 Workshop/Seminar: 1-4 Credits (1 Other)
PREREQUISITE: As determined for each offering. Topics offered at the lower division level which are not covered in regular courses. Students participate in preparing and presenting discussion material.
Repeatable up to 12 credits.

NRSG 314 Concepts in Psychosocial Nursing: 2 Credits (2 Lec)
PREREQUISITE: NRSG 116, COREQUISITE: NRSG 323, NRSG 327/328, NRSG 316. This course explores nursing psychosocial concepts and theories with clients across the lifespan in a variety of settings. Topics include developmental impact of trauma, family theories, crisis theory, anxiety, loss, grief and other human responses; and related psychosocial nursing strategies.

NRSG 316 Pathophysiology and Pharmacotherapeutics for Nurses I: 3 Credits (3 Lec)
PREREQUISITE: CHMY 123. This course introduces the abnormal functioning of human cells, tissues, and organ systems, and the physiological adaptations that occur and how pharmacotherapeutics can address some common pathological or adaptive changes across the lifespan. Pharmacological and pathophysiologic principles will be integrated.

NRSG 317 Pathophysiology and Pharmacotherapeutics for Nurses II: 3 Credits (3 Lec)
PREREQUISITE: NRSG 316. This course builds on concepts and content of Pathophysiology and Pharmacotherapeutics for Nurses I and advances understanding of abnormal functioning of human cells, tissues, and organs of selected body systems, physiological adaptations and pharmacotherapeutics. Pharmacological and pathophysiologic principles are analyzed.

NRSG 318 Accelerated Pathophysiology and Pharmacotherapeutics for Nurses: 4 Credits (4 Lec)
Abnormal functioning of human cells, tissues, and organs of selected body systems, physiological adaptations, and pharmacotherapeutics are examined to address pathological or adaptive changes across the lifespan.

NRSG 323 Professional Development I: Professional and Ethical Nursing: 1 Credits (1 Lec)
Students will explore the ethical development of professional nursing to initiate and foster professional, culturally competent, inclusive nursing care. Ethical development including morality and obligations to cultural sensitivity and inclusion, evidence-based practice and professional nurse identity will be discussed.

NRSG 324R Professional Development II: Evidence Based Practice: 3 Credits (2 Lec, 1 Other)
This course addresses the ethical, professional, and evidence-based practice obligations of professional nursing to foster EBP competencies of rapid critical research appraisal and planning of clinical outcomes. Students will develop a scholarly project utilizing nursing theory.

NRSG 327 Foundations of Nursing Care: 2 Credits (2 Lec)
PREREQUISITE: BIOH 201 and BIOH 211 or HDFS 101IS or PSYX 230 and BIOM 250 and BIOM 251
COREQUISITE: NRSG 329. This course introduces the application of nursing principles, concepts and fundamental skills for safe quality nursing care. Learners use assessment data, clinical judgment and therapeutic communication to plan and provide for effective nursing care.

NRSG 328 Foundations of Nursing Lab: 3 Credits (3 Lab)
PREREQUISITE: BIOH 201 and BIOH 211 or HDFS 101IS or PSYX 100IS and BIOM 250 and BIOM 251
COREQUISITE: NRSG 329. Students apply nursing principles, concepts and fundamental skills for safe quality nursing care. Learners apply assessment data and nursing process to develop the clinical judgment and therapeutic communication for effective collaboration with clients and the healthcare team.

NRSG 329 Adult Health Assessment: 3 Credits (2 Lec, 1 Lab)
PREREQUISITE: BIOH 201, BIOH 211
COREQUISITE: NRSG 311 or consent of instructor. This course uses a health-oriented approach to acquire the comprehensive skills of history taking and physical assessment needed to conduct an adult nursing assessment and professionally communicate the findings using verbal, written and electronic methods.

NRSG 332 Nursing Concepts for Health Promotion: 2 Credits (2 Lec)
PREREQUISITE: PSYX 100IS or HDFS 101IS. This course explores assessment and promotion of health for racially, ethnically, and culturally diverse individuals, families, and communities in local, state, national and global arenas. Concepts include prevention, vulnerable populations, social determinants of health, and personal self-care practices.

NRSG 333 Concepts in Health Promotion and Psychosocial Nursing: 4 Credits (4 Lec)
PREREQUISITE: NRSG 327, NRSG 311, and NRSG 329. Assess and promote health of diverse individuals, families, and communities in a variety of arenas. Psychosocial concepts and theories, preventive care measures, strategies for vulnerable populations and select interventions for the planning of nursing care with clients across the lifespan.
NRSG 334 Nursing Practice for Health Promotion: 1 Credits (1 Lab)
PREREQUISITE: PSYX 230 or HDFS 101IS. This course provides the clinical experiential learning associated with Nursing Concepts for Health Promotion (NRSG 332) and includes health assessments and health promotion teaching and planning for individuals, families, and communities to promote health and prevent disease

NRSG 336 Nursing Pharmacotherapeutics: 3 Credits (1 Lec, 2 Lab)
PREREQUISITE: CHMY 121, CHMY 123, NUTR 221CS, NRSG 225, and NRSG 238. The focus of this course is to examine pharmacotherapeutics in nursing practice. Clinical application of pharmacological and pathophysiological principles are integrated. Physical, psychological, social and cultural factors; age related variations; and alternative therapies are highlighted

NRSG 341 Psychosocial Nursing Concepts: 3 Credits (2 Lec, 1 Lab)
PREREQUISITE: PSYX 100IS, SOCI 101IS, NRSG 115, NRSG 220, NRSG 225, NRSG 258 and NRSG 238. This course explores selected psychosocial concepts and theories basic to nursing practice with clients in a variety of settings. Topics include family theory, palliative care, crisis theory, anxiety, loss, grief & other human responses; and related psychosocial nursing strategies

NRSG 346 Nurs Care of Childbearing Family: 5 Credits (2 Lec, 3 Lab)
PREREQUISITES: NRSG 341, NRSG 352 and NRSG 336. The focus of this course is the nursing care of childbearing women, neonates and their families in a variety of settings. Normal pregnancy and childbirth are addressed, as well as the identification and management of high risk childbearing situations. Selected health care of women content is included

NRSG 348 Nursing Care of Child & Family: 5 Credits (2 Lec, 3 Lab)
PREREQUISITES: NRSG 258, NRSG 336, NRSG 341, and NRSG 352. The focus of this course is health promotion, disease prevention, illness management and nursing care of children within the family context in a variety of settings. This course builds upon and integrates knowledge gained from nursing, sciences and the humanities

NRSG 352 Acute and Chronic Illness: 5 Credits (2 Lec, 3 Lab)
PREREQUISITE: NRSG 225, NRSG 258 and NRSG 238
COREQUISITE: NRSG 336. The focus of this course is application of theoretical and empirical knowledge to nursing care for clients across the adult lifespan with acute and chronic illness in a variety of settings. Health promotion, disease prevention, and symptom management are emphasized. This course builds upon and integrates knowledge gained from nursing, sciences and the humanities

NRSG 354 Nursing Concepts in Reproductive Health: 2 Credits (2 Lec)
The focus of this course is health promotion, disease prevention, illness management and nursing care of clients seeking sexual and reproductive services. The course will also focus on nursing concepts surrounding pregnancy, labor, delivery, post-partum, and care of the newborn

NRSG 357 Nursing Concepts in Pediatric Care: 2 Credits (2 Lec)
PREREQUISITE: NRSG 327, NRSG 328, NRSG 316, and PSYX 230 or HDFS 101IS. This course examines health promotion, disease prevention, illness management, and nursing care of children within the family context using knowledge gained from nursing, sciences, humanities, and developmental theory

NRSG 358 Nursing Concepts in Reproductive Health and Pediatric Care: 4 Credits (4 Lec)
PREREQUISITE: NRSG 327, NRSG 328, NRSG 333, and NRSG 318. Health promotion, disease prevention, and illness management of children and families, and individuals seeking sexual and reproductive health service is examined. A variety of settings among diverse populations is used to plan reproductive care and care of the developing child

NRSG 359 Nursing Practice in Reproductive Health and Pediatric Care: 3 Credits (3 Lab)
PREREQUISITE: NRSG 327/328; NRSG 316; PSYX 100IS or HDFS 101IS
COREQUISITE: NRSG 354 and NRSG 357/358. This course applies health promotion, disease prevention, illness management, and nursing concepts of children, families and individuals seeking sexual and reproductive care. A variety diverse populations and settings are used to gain knowledge of reproductive and pediatric care.

NRSG 377 Intro to Community Based Nrsng: 2 Credits (2 Lec)
The focus of this course is to introduce the student to community based nursing practice for individuals, families, populations and communities. There is an emphasis on health promotion, disease prevention and health determinants in a variety of settings.

NRSG 387R Research in Health Care: 3 Credits (2 Lec, 1 Other)
PREREQUISITE: STAT 216Q or Consent of Instructor. Students are introduced to the research process and evidence-based practice. They develop knowledge, skills, and values necessary to be informed consumers of health related research. Students engage in research processes, examine research reports, and describe practice applications

NRSG 400 Nursing Simulation: 1-2 Credits (1-2 Lab)
This course integrates clinical learning and nursing theory in a simulation-based environment. It includes the application of nursing principles, concepts, related skills, and clinical decision making specific to the scheduled patient populations each semester. Repeatable up to 4 credits.

NRSG 403 Professional Development III: Care Management: 2 Credits (2 Lec)
This course provides development of critical thinking, transitional planning, and delegation for patient care management. Students will approach healthcare utilization holistically across multiple settings and explore the legal, ethical and advocacy issues for patient’s specific needs.

NRSG 406 Professional Development V: Care Management and Informatics in Healthcare Systems: 3 Credits (3 Lec)
Examine critical thinking, quality improvement, transitional planning, and delegation for patient care management with an emphasis on healthcare utilization, healthcare systems, telehealth, and information technology to address the nursing role for outcome improvement.

NRSG 408 Nursing Concepts in Chronic Care: 2 Credits (2 Lec)
PREREQUISITE: NRSG 329, NRSG 327, NRSG 328, NRSG 316, and PSYX 230 or HDFS 101IS. This course focuses on care of adult patients with chronic, non-curable diseases. Quality of life, altered mobility, sexuality, body image, stigma, social isolation, compliance, chronic pain, and aging provide foundation for patient-centered health promotion, palliative care, hospice, and end-of-life care

NRSG 409 Nursing Practice in Chronic Care: 2 Credits (2 Lab)
PREREQUISITE: NRSG 329, NRSG 327, NRSG 328, NRSG 317. This course provides the clinical experiential application of care for adult patients care with chronic, non-curable diseases for patients and their families with an emphasis on patient-centered health promotion, disease and palliative care, hospice, and end-of-life care

NRSG 412 Professional Development IV: Nursing Leadership and Transition to Practice: 2 Credits (2 Lec)
This course practices leadership skills with an emphasis on team evaluation, fiscal management, conflict management, staff empowerment, and change theory. It features planning for transition to professional practice and emphasizes mental well-being and self-care.
NRSG 418  Hlth Policy/Hlth Care Econ Cln: 2 Credits (1 Lec, 1 Other)
Focus is on economics, public policy and political factors which affect
the delivery of health and nursing care at the local, state, national and
international levels. Students are encouraged to participate in efforts to
influence health policy.

NRSG 426 Nursing Concepts in Population Health: 2 Credits (2 Lec)
PREREQUISITE: NRSG 329, NRSG 327/328, NRSG 317
COREQUISITE: NRSG 439. The focus of this course is the theoretical
application of promoting the health of diverse communities and special
populations from a public health perspective. It emphasizes a population
focused nursing process, epidemiology, and population-based assessment
tools for intervention design.

NRSG 427 Nursing Practice in Population Health: 2 Credits (2 Lab)
PREREQUISITE: NRSG 332, NRSG 334. This course provides the
practice application of promoting health of diverse communities and special
populations from a public health perspective. It emphasizes a population
focused nursing process and uses epidemiology and population-based
assessment tools to form interventions.

NRSG 431 Nursing Concepts in Psychiatric/Mental Health: 2 Credits
(2 Lec)
The focus of this course is to attain foundational knowledge of
psychopathology and nursing care of clients with acute and chronic
psychiatric disorders. Social, cultural, spiritual, and environmental issues
influencing mental health are explored.

NRSG 432 Nursing Practice in Psychiatric/Mental Health: 1 Credits (1
Lab)
This course is focused on nursing care of clients with acute and chronic
psychiatric disorders, including psychopathology associated with major
mental illness. Community-based experiences provide opportunity for
continued development of therapeutic skills to explore social, cultural,
spiritual, and environmental influences.

NRSG 434 Critical Care and Emergency Nursing: 3 Credits (3 Lec)
PREREQUISITES: NRSG 437, NRSG 444, and NRSG 454
The focus of this course is application of theoretical and empirical
knowledge to nursing care for complex clients across the adult
lifespan requiring emergency and critical care in a variety of settings.
Advanced skills, critical thinking and decision making, safe practice and
interdisciplinary collaboration are emphasized.

NRSG 435 Spirituality in Healthcare: 2 Credits (2 Other)
PREREQUISITES: PSYX 100 and NRSG 115 or consent of instructor.
This elective course explores aspects of spirituality and the use of spiritually-
based therapies in healthcare from various faith traditions. Spiritual
assessment and spiritually-based strategies to promote health and wellness
are emphasized. Although a multi disciplinary approach to spiritual care is
presented, a nursing perspective is highlighted.

NRSG 437 Psychiatric Nursing: 6 Credits (3 Lee, 3 Lab)
PREREQUISITES: NRSG 341 and NRSG 377 and NRSG 346 or
NRSG 348 or NRSG 352. The focus of this course is nursing care of clients
with acute and chronic psychiatric disorders, including psychopathology
associated with major mental illness. Community based experiences provide
opportunity for continued development of therapeutic skills. Social,
cultural, spiritual and environmental issues influencing mental health are
explored.

NRSG 444  Care Management: 3 Credits (2 Lee, 1 Other)
PREREQUISITES: NRSG 352 and NRSG 387R. This course focuses on
care management with application of ethical and legal concepts. The
care management process is explored. Case management is examined as a
method of managing health care.

NRSG 452 Health Policy & Economics: 2 Credits (1 Lee, 1 Other)
PREREQUISITE: NRSG 403, NRSG 426/427. Focus is on economics,
policy and political factors that affect the delivery of health and
nursing care at the local, state, national and international levels. Students are
encouraged to participate in efforts to influence health policy.

NRSG 454 Urgent and Palliative Care: 6 Credits (3 Lee, 3 Lab)
PREREQUISITE: NRSG 352, NRSG 336, NRSG 346, NRSG 348,
NRSG 341. Students integrate prior knowledge and apply theoretical and
empirical knowledge to care for complex adult clients requiring urgent and
palliative care in a variety of settings. Clinical decision making, triage, and
symptom management are emphasized.

NRSG 460 Nursing Concepts in Acute and Chronic Care: 4 Credits (4
Lab)
PREREQUISITE: NRSG 329, NRSG 327, NRSG 328, NRSG 318.
Theoretical and empirical knowledge for planning collaborative, patient-
centered, safe care of adults across the lifespan to include aging, chronic
illness and non-curable, life limiting diseases and those experiencing acute/
critical and complex health alterations.

NRSG 461 Nursing Practice for Acute and Chronic Care: 3 Credits (3
Lab)
PREREQUISITE: NRSG 329, NRSG 327, NRSG 328, NRSG 318.
Application of theoretical and empirical knowledge, nursing practice,
collaboration and referral in the management of safe, high quality care of
the adult patients across the lifespan experiencing both acute, complex
illness, injury, chronic illness and life-limiting diseases.

NRSG 469 Culturally Responsive Care in Nursing: The (Specific
Culture) Experience: 1-6 Credits (1-5 Lec, 1 Other)
A healthcare immersion designed to foster a growth mindset
towards health beliefs, intercultural learning, communication, and
nursing applications. The experience includes analysis of cross cultural and
intercultural learning principles and the immersion experience with [specific
culture] nurses and clients. Repeatable up to 6 credits.

NRSG 470 Nursing Concepts in Acute Care: 2 Credits (2 Lec)
This course advances theoretical and empirical knowledge for patient-
centered care of adults experiencing acute/critical and complex health
alterations. This includes an emphasis on compassionate, culturally sensitive,
holistic care; professional nursing practice, interprofessional collaboration,
and delivery of safe, high quality care.

NRSG 471 Nursing Practice in Acute Care: 2 Credits (2 Lab)
Apply theoretical and empirical knowledge, professional nursing practice,
interprofessional collaboration and referral to manage and deliver safe, high
quality care of the adult patient experiencing acute/ critical and complex
health alterations in a variety of healthcare settings.

NRSG 477 Pop Based Nursing Care in Comm: 6 Credits (3 Lee, 3 Lab)
PREREQUISITE: NRSG 437 and NRSG 454. The focus of this course is
the health and well-being of the community. Global and national health
problems are examined from a public health perspective. Community
assessment and epidemiologic methods are used to identify populations at
risk and potential areas for intervention.

NRSG 479 Population Health & Leadership: 6 Credits (4 Lec, 2 Lab)
The purpose of this course is to apply a population-based, epidemiological
approach to discover risk factors and evidence-based health promotion and
disease prevention practices. Interdisciplinary leadership and management
concepts will be incorporated to guide improved outcomes for populations.

NRSG 480 Management of Healthcare Systems: 2 Credits (2 Lec)
Healthcare system structure, functioning and theory is examined with
emphasis on evidence-based practice, quality improvement, systems
thinking and information technology. Students will focus on clinically
transformative technologies, telehealth, and the nurses' role for outcome
improvement.
NRSG 487 Nursing Ldrshp/Mgmt Dylpmnt: 6 Credits (3 Lec, 3 Lab)
PREREQUISITES: NRSG 437, NRSG 444 and NRSG 454. Senior capstone course. The focus of this course is to provide an integration of theory and skill development in leadership, management and organizational concepts for the design, coordination, and management of healthcare using the community-based philosophy.

NRSG 489 Research & Statistics to Support Evidence Based Practice: 6 Credits (5 Lec, 2 Lab)
This course provides an introduction to research principles and methodologies and the statistical procedures used most often to analyze data to support evidence-based practice. Emphasis is placed on critical analysis of nursing and health care research including the correct application and interpretation of statistical data.

NRSG 490R Undergraduate Research: 1-6 Credits (1 Other)
PREREQUISITE: Junior standing. Directed undergraduate research/creative activity which may culminate in a research paper, journal article, or undergraduate thesis. Course will address responsible conduct of research. May be repeated Repeatable up to 12 credits.

NRSG 492 Independent Study: 1-3 Credits (1-3 Other)
PREREQUISITES: Junior standing, consent of instructor, and approval of department head. Directed research and study on an individual basis Repeatable up to 6 credits.

NRSG 494 Workshop/Seminar: 1-4 Credits (1 Other)
PREREQUISITE: Junior standing and as determined for each offering. Topics offered at the upper division level which are not covered in regular courses. Students participate in preparing and presenting discussion material Repeatable up to 12 credits.

NRSG 498 Professional Internship: 3 Credits (3 Lab)
PREREQUISITE: Satisfactory completion of all prior clinical nursing courses. Supervised work-integrated learning experience to maximize independence in providing safe, efficient, high-quality patient care. Students integrate professional nursing roles of leadership, advocacy, and communication and works with an approved RN preceptor for an intensive clinical experience.

NRSG 501 Tchg Concepts Nursing Educator: 2 Credits (2 Lec)
PREREQUISITE: Graduate Standing. Designed for students interested in nursing education (academic or practice environment). Emphasizes teaching strategies and delivery of nursing education for diverse learners in a variety of settings. Roles and responsibilities are explored. Includes history and evolution of teaching and learning.

NRSG 502 Effective Clinical Teaching: 2 Credits (2 Lec)
PREREQUISITE: Graduate Standing. Focuses on educator roles and responsibilities in teaching clinical nursing (academic or practice environments). Designed for students interested in developing clinical teaching skills. Major themes: development of learning activities, evaluation of student performance, concepts of student supervision, and agency coordination.

NRSG 503 Curriculum Development: 3 Credits (3 Lec)
PREREQUISITE: Graduate Standing. Theories and models of curriculum development are explored and designed for nurses teaching in either academic or practice environments. Variables associated with design and planning of educational interventions are explored. Students synthesize appropriate theoretical concepts to develop a model curriculum.

NRSG 504 Assmnt and Eval of Education: 3 Credits (3 Lec)
PREREQUISITE: Graduate Standing. Students engage in discussions around design, assessment, and evaluation of instruction by nurses. Topics include writing instructional objectives and constructing activities to assess student learning outcomes. Students complete a project to gain skills in evaluating learning related to a specific unit of study.

NRSG 508 Clinical Leadership Practicum: 7 Credits (7 Lab)
PREREQUISITE: NRSG 509, NRSG 604, NRSG 608, and NRSG 611. In collaboration with the faculty and clinical preceptor, students will design, manage, and evaluate care to improve health outcomes for a selected population. Designed to promote integration of coursework through immersion in the Clinical Nurse Leader (CNL) role.

NRSG 509 Clinical Nurse Leader Lab I: 2 Credits (2 Lab)
PREREQUISITE: NRSG 504, NRSG 608 or consent of instructor. Students will engage in activities that promote development of CNL competencies. Strategies used to promote patient-centered care and interpersonal collaboration in selected settings will be examined.

NRSG 574 Teaching Practicum: 1-4 Credits (2-8 Lab)
PREREQUISITE: NRSG 504 or consent of instructor. Teaching/learning principles are integrated into nursing education in academic or practice environments. Students practice, observe, and evaluate teaching/learning processes. The instructor and student negotiate laboratory activities Repeatable up to 4 credits.

NRSG 575 Professional Paper and Project: 2 Credits (2 Lab)
PREREQUISITE: Graduate standing. A research or professional paper or project dealing with a topic in the field. The topic must have been mutually agreed upon by the student and his or her major advisor and graduate committee Repeatable up to 99 credits.

NRSG 591 Special Topics: 1-4 Credits (1-4 Lec)
PREREQUISITE: Upper division courses and others as determined for each offering. Courses not required in any curriculum for which there is a particular one time need, or given on a trial basis to determine acceptability and demand before requesting a regular course number Repeatable up to 12 credits.

NRSG 592 Independent Study: 1-6 Credits (1 Other)
PREREQUISITE: Graduate standing, consent of instructor, approval of department head and Dean of Graduate Studies. Directed research and study on an individual basis Repeatable up to 6 credits.

NRSG 594 Seminar: 1 Credits (1 Other)
PREREQUISITE: Graduate standing or seniors by petition. Course prerequisites as determined for each offering. Topics offered at the graduate level which are not covered in regular courses. Students participate in preparing and presenting discussion material Repeatable up to 4 credits.

NRSG 601 Advanced Health Assessment: 3 Credits (2 Lec, 1 Lab)
This graduate nursing course focuses on advanced health assessment of individuals. Course content will address documenting and validating information about the health status of the client, analyzing and synthesizing the information, and making clinical decisions about health. It includes assessment of normal and abnormal physiological and psychosocial processes relevant to gender and cultures across the lifespan.

NRSG 602 Adv Physio/Pathophysiology: 4 Credits (4 Lec)
This graduate nursing course provides a comprehensive examination of the physiological functioning and common pathophysiological alterations in humans. Course content builds on the fundamentals of anatomy, physiology, and pathology. Pathophysiology will be examined from the subcellular level through to major body systems. This course will focus on the etiology, pathogenesis, developmental and environmental influences, and clinical manifestations of injury and disease.

NRSG 603 Advanced Pharmacology I: 2 Credits (2 Lec)
PREREQUISITE: NRSG 602. This course provides an understanding of the science of therapeutics and principles of pharmacokinetics and pharmacodynamics. Department of Nursing.
NRSG 604 Evidence Based Practice I: 4 Credits (4 Lec)
PREREQUISITE: SAT216Q and NRSG 387R or NRSG 489R. This graduate nursing course advances the student's capacity for critical review of the literature from across disciplines in order to improve clinical outcomes by way of evidence based/informed practice

NRSG 605 Evidence Based Practice II: 3 Credits (3 Lec)
Department of Nursing.

NRSG 606 Statistical Applications: 3 Credits (3 Lec)
PREREQUISITE: STAT 216Q or equivalent covering descriptive and inferential data analysis methods. Builds on basic understanding of quantitative methods and resulting statistical analyses, with particular application to critique health sciences research. Students reach a graduate level of sophistication in their understanding of the statistical strength of published research. Students will gain facility in statistical techniques of correlation, regression, Chi square, t-test, analysis of variance, logistic regression and confidence limit estimation

NRSG 607 Diagnostic Reasoning: 3 Credits (2 Lec, 1 Lab)
PREREQUISITE: NRSG 601; NRSG 602. This graduate nursing course promotes the development of the practitioners' comprehensive assessment proficiency, critical thinking and diagnostic reasoning. The practitioner will utilize a systematic approach for clinical decision making, diagnosis and documentation

NRSG 608 Design H C Delivery Systems: 3 Credits (2 Lec, 1 Lab)
PREREQUISITE: NRSG 604 for Nursing students or EIND 458 for IE students or instructors permission. Examines the role of nurses and industrial engineers in healthcare. Examines major systems within healthcare organizations which affect care delivery. Learn strategies for analyzing, improving processes, and coordinating interdisciplinary healthcare teams to enhancing healthcare quality management and reducing health risk through medical error elimination

NRSG 609 Advanced Nursing Leadership & Roles: 3 Credits (3 Lec)
(F, Sp, Su) Prepares graduate nursing students for direct and indirect advanced nursing roles and core competencies in an organizational and systems leadership. Emphasis on leadership, communication, collaboration, negotiation, team functioning, conflict resolution and scholarship.

NRSG 610 Health Care Informatics: 3 Credits (3 Lec)
PREREQUISITES: Graduate Standing
Explores health care information systems and computer technology to optimize health information management and communication systems while maintaining privacy and security of data.

NRSG 611 Program Planning & Evaluation, Outcomes, & Quality Improvement: 3 Credits (3 Lec)
PREREQUISITE: Graduate Standing. Principles of quality improvement, outcomes management, and formative and summative evaluation models are integrated into the methods. Students apply evidence-based practice and improvement science to plan and evaluate health-related programming

NRSG 612 Ethics, Law, and Policy for Advocacy in Healthcare: 3 Credits (3 Lec)
(F, Sp) Integrate knowledge of bioethics, current legal issues, ethical comportment, professional standards, clinical decision-making, functions of law and policy analysis as applied to clinical practice. Principles of accountability, responsibility, autonomy, and interdisciplinary collaboration within a dynamic healthcare environment will be integrated.

NRSG 613 Finance & Budget H C Systems: 2 Credits (2 Lec)
PREREQUISITES: Graduate Standing
This course focuses on the application of fiscal management principles of health care systems. Emphasis is on health care economics, fiscal management, and budgeting concepts as they relate to healthcare.

NRSG 614 Vulnerability and Health Care in Diverse Communities: 4 Credits (2 Lec, 2 Lab)
PREREQUISITE: Graduate Standing
This graduate nursing course addresses concepts of vulnerability and disparity in health and healthcare among diverse and rural populations. Students will examine vulnerable populations. Interactions with the healthcare systems, including access, utilization, and outcomes will be examined. Students will address strategies for addressing disparities in healthcare.

NRSG 619 Advanced Primary Care Skills and Procedures: 2 Credits (1 Lec, 1 Lab)
PREREQUISITE: NRSG 601 and NRSG 602. This graduate nursing course focuses on introducing skills and procedures that are commonly used within the primary care setting by the advanced practice registered nurse. These skills will enhance didactic content that is presented in the primary care series. This course will focus specifically on skills that are needed for the Family/Individual Nurse Practitioner Student. It will include didactic content and culminate in a 3-day hands-on skills lab held on the Bozeman campus.

NRSG 620 Adv Pharm II: 3 Credits (3 Lec)
PREREQUISITE: NRSG 602, NRSG 603. Focuses on pharmacologic effects and clinical use of selected drug classifications for the treatment and management of acute and chronic illnesses. Ethical and legal responsibilities, pharmacologic mechanisms, contraindications, complimentary alternative medicine and patient education will be addressed.

NRSG 621 Advanced Clinical I-II: 6 Credits (3 Lec, 6 Lab)
Focus on comprehensive assessment, intervention and preventive care for childbearing and childrearing families in primary health care. Includes content on physiologic, pathophysiological, psychological, developmental, sociocultural and spiritual primary health care needs of childbearing and childrearing families.

NRSG 622 Advanced Clinical II Primary Care for Midlife Families: 6 Credits (3 Lec, 3 Lab)
PREREQUISITE: NRSG 621 Adv Clin I and NRSG 620 Adv Pharm II Comprehensive assessment, intervention and preventative care for midlife families in primary health care settings. COREQUISITE: NRSG 620. Recognizing the holistic nature of individuals within families, this course will include content on the physiologic, pathophysiologic, psychological, developmental, sociocultural, and spiritual primary health care needs of midlife families.

NRSG 623 Advanced Clinical III: Primary Care for Aging Families: 6 Credits (3 Lec, 3 Lab)
PREREQUISITE: NRSG 622. Focus on assessment, treatment and preventative care for aging families in primary health care settings. Physiologic, pathophysiological, psychological, developmental, sociocultural and spiritual responses to acute and chronic conditions will be explored emphasizing the importance of advocacy.

NRSG 624 Advanced Clinical IV (NP, Family/Individual) Primary Care Clinical Preceptorship: 8 Credits (2 Lec, 6 Lab)
PREREQUISITE: NRSG 623. In this graduate nursing practicum, students will further refine their role as a doctorally prepared nurse practitioner demonstrating expertise, specialized knowledge, and expanded responsibility and accountability in the care and management of individuals and families. Students in the Family Nurse Practitioner (FNP) option participate in the selection of a practice setting such as family health, pediatrics, women’s health, gerontology, a broad based primary care, or specialty practice. Students will incorporate a holistic perspective in the management of patients and engage in the formation of therapeutic partnerships in a clinical practice.
NRSG 625  Advanced Diagnostics in Primary Care: 2 Credits (2 Lec)
PREREQUISITE: NRSG 601, NRSG 602, NRSG 621, NRSG 622, NRSG 623 or instructor permission. This course explores various diagnostic modalities for complex patients with rheumatology, dermatology, auto-immune conditions, and chronic illnesses. Emphasis is on helping practitioners order appropriate testing, interpret diagnostic tests, communicate treatment plans with patients, and collaboration interprofessional teams

NRSG 629  Introduction to Advanced Practice Psychiatric Mental Health Nursing: 2 Credits (1 Lec, 1 Lab)
PREREQUISITE: NRSG 601 and NRSG 602. This graduate course is designed as an introduction into advanced practice psychiatric-mental health nursing. Orientation to the clinical practice of the psychiatric mental health advanced practice nursing is presented along with topics regarding working with the mental health preceptor. Focus is placed on developing early interview skills by teaching students their role in various mental health settings. Review of clinical practice expectations will be included. Topics of this course include interviewing and assessing the patient with mental health concerns, completing the mental status examination and completing a safety assessment. Students will orient to the DSM 5 and other relevant interview/assessment resources. Students will begin to explore the documentation associated with the above

NRSG 630  Adv Psychopharm II: 3 Credits (3 Lec)
PREREQUISITE: NRSG 602, NRSG 603. Analyzing psychotropic interventions including, but not limited to, mechanisms of action, indications of use, dosing, side effects, drug-drug interactions, contraindications, and patient education. Focus is placed on treating patients across the lifespan with mental health problems

NRSG 631  Advanced Clinical I – Psych/Mental Health: 6 Credits (3 Lec, 3 Lab)
PREREQUISITE: NRSG 601, 602, 603, 604, 605, 607. This course focuses on the role and scope of advanced psychiatric nursing practice with attention placed on conducting assessments through interviewing and objective assessments in order to make diagnoses. Mental health treatment needs are explored in relation to diagnoses

NRSG 632  Advanced Clinical II: Psychotherapeutic Modalities: 6 Credits (3 Lec, 3 Lab)
PREREQUISITE: NRSG 630, 631. This course focuses on the treatment and management of mental health problems utilizing individual psychotherapy, group psychotherapy, brief psychotherapy and medication management. Additional focus and consideration are placed on the management of the pediatric and geriatric population

NRSG 633  Advanced Clinical III, Psych/Mental Health: 6 Credits (3 Lec, 3 Lab)
PREREQUISITE: NRSG 632. This course focuses on the management of individuals/families with mental health problems who have acute/chronic mental health needs using psychotherapeutic modalities while incorporating appropriate prescriptive and CAM treatments. Focus placed on women of childbearing age and substance use disorders

NRSG 634  Advanced Clinical IV, NP, Psych/Mental Health: 8 Credits (2 Lec, 6 Lab)
PREREQUISITE: NRSG 633, Advanced Clinical III. This graduate nursing course builds upon content and skills attained in Advanced Clinical I, II, and III. In this practicum students will further refine their role as a doctorally prepared nurse practitioner demonstrating expertise, specialized knowledge, and expanded responsibility and accountability in the advanced psychiatric care and management of individuals and families

NRSG 639  Midwifery Clinical Care Skills and Procedures: 2 Credits (1 Lec, 1 Lab)
PREREQUISITE: NRSG 641 and NRSG 644. (F) This graduate nursing course focuses on introducing skills and procedures that are used by nurse midwives within the primary care and inpatient settings. These skills will enhance content presented in other midwifery option courses

NRSG 640  Advanced Pharmacology II Nurse Midwifery: 3 Credits (3 Lec)
PREREQUISITE: NRSG 602 and NRSG 603. (Sp) This course focuses on the use pharmacologic interventions when caring for people in the primary care setting, childbearing cycle, and neonates. The evaluation of pharmacokinetics and pharmacodynamics, indications of use, dosing, side effects, and drug-food interactions are covered

NRSG 641  Midwifery During the Antepartum: 2 Credits (2 Lec)
PREREQUISITE: NRSG 640. (Su) This graduate nursing course focuses on providing safe, evidence-based midwifery care during pregnancy. Strategies that promote normal pregnancy are examined and the assessment of fetal status is emphasized. Students learn how to intervene when complications arise

NRSG 642  Midwifery During the Intrapartum: 3 Credits (3 Lec)
PREREQUISITE: NRSG 641 and NRSG 644
COREQUISITE: NRSG 639 and NRSG 643. (F) This graduate nursing course focuses on the provision of safe, evidence-based midwifery care during labor. Skills needed to assess and promote normal labor progression are emphasized. Students learn how to intervene when maternal or fetal complications and emergencies arise

NRSG 643  Midwifery During the Postpartum and Care of the Neonate: 2 Credits (2 Lec)
PREREQUISITE: NRSG 641 and NRSG 644
COREQUISITE: NRSG 639 and NRSG 642. (F) This graduate nursing course focuses on providing safe, evidence-based midwifery care during the postpartum and to neonates. The emphasis is on normal physiological changes. Students learn how to intervene when complications and emergencies arise

NRSG 644  Primary and Gynecologic Care: 4 Credits (4 Lec)
PREREQUISITE: NRSG 640. (Su) This graduate nursing course focuses on meeting the primary, preconception, and gynecologic care health needs of people throughout the lifespan through evidenced based comprehensive assessment, intervention, and preventive care. Common health problems and deviations from normal are emphasized

NRSG 645  Advanced Midwifery Clinical I: 3 Credits (3 Other)
PREREQUISITE: NRSG 639 and NRSG 642 and NRSG 643. (Sp) This is the first of four nurse midwifery clinical courses where students begin to apply knowledge, skills, and abilities acquired in required prerequisite courses. Students use the midwifery management process when providing holistic care

NRSG 646  Advanced Midwifery Clinical II: 4 Credits (4 Other)
PREREQUISITE: NRSG 645. (Su) This is the second of four nurse midwifery clinical courses where students apply knowledge, skills, and judgment acquired in required prerequisite midwifery courses. Students use the midwifery management process when providing holistic care

NRSG 647  Advanced Midwifery Clinical III: 4 Credits (4 Other)
PREREQUISITE: NRSG 646. (F) This is the third of four nurse midwifery clinical courses where students apply knowledge, skills, and judgment acquired in the required prerequisite midwifery courses when independently providing culturally competent holistic care
NRSG 648 Advanced Midwifery Clinical IV: 6 Credits (6 Other)
PREREQUISITE: NRSG 647. (Sp) This is the fourth of four nurse midwifery clinical courses where students independently apply knowledge, skills, and judgment acquired in the required prerequisite midwifery courses when providing culturally competent holistic care.

NRSG 673 Writing for Scholarly Projects: 2 Credits (1 Lec, 1 Lab)
The goal of this course is to improve academic writing proficiency to express written ideas in a clear and coherent manner consistent with graduate level scholarship. Grammar, editing, common writing errors, and APA formatting for scholarly writing is emphasized.

NRSG 674 Graduate Nursing Scholarly Project Seminar: 2 Credits (1 Lec, 1 Lab)
Designed for students who are highly proficient writers, the purpose of this course is to introduce the graduate nursing student to scholarly writing process. Students will develop and submit an article for publication.

NRSG 675 DNP Scholarly Project: 3 Credits (3 Lab)
PREREQUISITE: NRSG 604, NRSG 605, NRSG 608, NRSG 610, NRSG 611, NRSG 613, NRSG 673 or NRSG 674 or instructor permission. Students will design and propose a scholarly project that exemplifies the discovery, application, synthesis of advanced nursing knowledge to improve health outcomes. Upon committee approval, students implement, evaluate, and disseminate through a formal oral and written defense.
Repeatable up to 6 credits.

NRSG 691 Special Topics: 1-4 Credits (1-4 Lec, 1 Lab)
Special Topics for Nursing.