NRSG - Nursing

NRSG 115 Nursing as a Profession: 2 Credits (2 Lec)
The purpose of this course is to initiate and foster the professional socialization process. Content and activities expose students to issues surrounding the profession of nursing, multiple roles of nursing in society and health care, and concepts related to the dimensions of nursing practice: nurse, client, health and environment.

NRSG 116 Introduction to Professional Nursing: 2 Credits (2 Lec)
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.

NRSG 220 Foundatns Ethcl Nrsng Recitatn: 2 Credits (1 Lec, 1 Other)
PREREQUISITE: Consent of Instructor. Drawing on contemporary ethical issues this foundational course explores influential moral values, philosophical principles and theories as formal grounding for ethical decision making and action in health care. A broad historical, cultural and societal perspective is emphasized to provide the background for understanding the everyday ethical problems that health professionals encounter in their practices. A psychological and social framework of analysis is used to foster sensitivity, skills of analysis and ethical behavior in situations of moral conflict.

NRSG 225 Fndtns Plng Prvdng Clin Nrs Cr: 4 Credits (2 Lec, 2 Lab)
PREREQUISITES: BIOH 201, BIOH 211, FCS 101IS, and BIOM 250 COREQUISITES: NRSG 238 or consent of instructor. Application of nursing principles, concepts and related skills for care of the individual needing assistance. The clinical decision-making process is utilized in the provision of nursing care in clinical settings .

NRSG 238 Hlh Assmnt Across Lifespan: 4 Credits (2 Lec, 2 Lab)
PREREQUISITE: BIOH 201 and BIOH 211 COREQUISITE: NRSG 225 or consent of instructor. This course is designed to teach the student a health oriented approach to nursing assessment of clients across the life span in a variety of community based settings. The primary focus of the course is on normal health assessment findings, with recognition of abnormal variations. This course emphasizes development of the skills needed to perform a comprehensive health assessment of children, adults, and the elderly. Data collection through comprehensive history taking and physical assessment is emphasized. Utilizations of assessment findings in clinical decision making is discussed throughout the course .

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 258 Principles of Pathophysiology: 3 Credits (3 Lec)
PREREQUISITES: BIOH 201, BIOH 211, CHMY 121IN, and CHMY 123. This course provides an introduction to the abnormal functioning of human cells, tissues, and organ systems, and the physiological adaptations that occur. Commonly encountered age-related variations are addressed. The influences of environment, genetics, nutrition, and culture are emphasized. Current research that explains the changes that accompany a particular syndrome or disease is considered.

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. Topics 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 336 Nursing Pharmacotherapeutics: 3 Credits (1 Lec, 2 Lab)
PREREQUISITE: CHMY 121, CHMY 123, NUTR 221CS, NRSG 258, 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 (1 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 Famly: 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)
PREREQUISITES: 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 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 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 487 Nursing Ldshr/Mgmt Dvlpmnt: 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 health care using
the community based philosophy.

NRSG 489 Research & Statistics to Support Evidence Based Practice: 6
Credits (5 Lec, 2 Lab)
College of Nursing.

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 491 Special Topics: 1-4 Credits (1-4 Lec)
PREREQUISITE: Junior standing and 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 492 Independent Study: 1-3 Credits (1-3 Other)
PREREQUISITE: 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 Internship: 3 Credits (3 Lab)
PREREQUISITE: Satisfactory completion of all 1st semester junior level
clinical nursing courses. Placement subject to availability. This elective
course is designed to increase competence and confidence in previously
learned clinical skills. The student works with a registered nurse (RN) in cooperating clinical agency for a period of intensified clinical experience
Repeatable up to 6 credits.

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 CNL role.

NRSG 509 Clinical Nurse Leader Lab I: 2 Credits (2 Lab)
PREREQUISITE: NRSG 604, 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 interprofessional 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.

NRSG 575 Professional Paper and Project: 1-4 Credits (1-4 Other)
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.

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.

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.

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.

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 sub cellular 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.

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, 2 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)
Prepares graduate nursing students for direct and indirect advanced nursing roles and core competencies in 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.

Department of Nursing.
NRSG 611 Program Planning & Evaluation, Outcomes, & Quality Improvement: 3 Credits (3 Lec)
PREREQUISITE: Graduate Standing This graduate course focuses on the role of the graduate nurse in health-related program planning and evaluation. Principles of quality improvement and outcomes management are integrated into the methods. Formative and summative evaluation models will be integrated throughout the course.

Department of Nursing.

NRSG 612 Ethics, Law, and Policy for Advocacy in Healthcare: 3 Credits (3 Lec)
PREREQUISITE: Graduate Standing The graduate nursing student will integrate knowledge of bioethics, current legal issues, ethical comportment, clinical decision-making, and functions of law and policy analysis as applied to clinical practice.

Department of Nursing.

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.

Department of Nursing.

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.

Department of Nursing.

NRSG 615 Translational Research Adv Pra: 3 Credits (3 Lec)
PREREQUISITES: NRSG 601, 602, 603, 604, and 605 This graduate nursing course provides students opportunities to explore translational research. The course focuses on understanding complementary disciplines with the goal of enhancing communication and collaboration among researchers.

Department of Nursing.

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, complementary alternative medicine and patient education will be addressed.

NRSG 621 Advanced Clinical I-Fl: 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 physiological, 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 physiological, pathophysiological, psychological, developmental, sociocultural, and spiritual primary health care needs of midlife families.

NRSG 623 Advanced Clinical II: Psychotherapeutic Modalities: 6 Credits (3 Lec, 6 Lab)
PREREQUISITES: NRSG 622. Focus on assessment, treatment and preventative care for aging families in primary health care settings. Physiological, 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 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)

NRSG 631 Advanced Clinical I – Psych/Mental Health: 6 Credits (3 Lec, 6 Lab)
PREREQUISITE: NRSG 601, 602, 603, 604, 605, 607. The role and scope of advanced psychiatric nursing practice and foundational legal and ethical issues are explored. The neuroanatomy and neurophysiology of psychiatric disorders are reviewed. Conduct comprehensive and systematic psychiatric assessments in complex situations.
NRSG 632  Advanced Clinical II: Psychotherapeutic Modalities: 6 Credits (3 Lec, 3 Lab)
PREREQUISITES: NRSG 630, 631 Conceptual and theoretical foundations for psychotherapy, including selected therapeutic modalities for individuals, group psychotherapy, and the integration of multicultural skills for health promotion and management of mental health problems and psychiatric disorders are introduced and examined

NRSG 633  Advanced Clinical III, Psych/Mental Health: 6 Credits (3 Lec, 6 Lab)
PREREQUISITES: NRSG 632 In this course, students will explore the conceptual and theoretical foundations for providing psychotherapy with families and couples. Continuation of psychopharmacology concepts presented in Advanced Clinical I and II will be provided with an emphasis on expanded pharmacology concepts

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 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  Professional Paper and Project: 1-9 Credits (1-6 Other)
PREREQUISITE: NRSG 602, NRSG 603, NRSG 604, NRSG 674 or instructor permission. 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 9 credits.

NRSG 691  Special Topics: 2 Credits (1 Lec, 1 Lab)
Special Topics for Nursing.