Nursing Science (NS)

Courses

NS A203 Preparing for Nursing Program Success 3 Credits
Explores ideas, strategies and skills that will assist the student in successful completion of the nursing program and the building of a successful nursing career.

Registration Restrictions: Admission into either the UAA AAS or BS Nursing program or permission of the program chair.

Crosslisted With: NURS A203

NS A204 Technology and Nursing Informatics 3 Credits
Concepts and applications of nursing informatics in health care organizations. Evaluate the impact of technology on nursing practice and on client education, including privacy and security issues. Explore electronic resources available to clients and nurses.

Registration Restrictions: Admission to Clinical Nursing Major or RN licensure in the State of Alaska.

Prerequisites: (PHIL A101 or PHIL A201) or ENGL A120.

Corequisites: NS A216 AND NS A300.

NS A205 Nursing Informatics 3 Credits
Concepts and applications of nursing informatics in health care organizations. Explore electronic resources available to clients and nurses.

Registration Restrictions: Admission to clinical major and/or RN licensure in the state of Alaska.

NS A216 Pathophysiology 4 Credits
Basic conceptual study of disease and the resultant abnormal functioning. Key concepts are utilized to assist students to develop knowledge and understanding of basic physiologic mechanisms of and responses to disease.

Special Note: Offered fall and spring semesters.

Registration Restrictions: Admission to clinical nursing major or RN licensure in state of Alaska

Prerequisites: BIOL A112 with a minimum grade of C and CHEM A104 with a minimum grade of C and CHEM A104L with a minimum grade of C.

Corequisites: NS A204 AND NS A300.

NS A300 Foundations of Nursing I: Roles, Processes, and Trends 3 Credits
Introduces concepts, theories and processes that inform the discipline of nursing, ethical and legal standards that govern nursing practice, and intellectual, interpersonal and technical competencies required of the professional nurse. Examines the development of professional nursing, nursing roles and practice environments, and contemporary issues and trends.

Prerequisites: PHIL A101 with a minimum grade of C or PHIL A201 with a minimum grade of C.

Corequisites: NS A204 AND NS A216.

NS A303 Foundations of Nursing Practice: Therapeutics 3 Credits
Focuses on systematic use of the nursing process to care for individuals in a variety of settings. Emphasizes identifying physiological and psychosocial alterations in health patterns and basic therapeutic nursing interventions.

Special Note: Offered fall, spring and summer semesters.

Prerequisites: NS A204 with a minimum grade of C and NS A216 with a minimum grade of C and NS A300 with a minimum grade of C.

Corequisites: NS A303L AND NS A309.

NS A303L Foundations of Nursing Practice: Therapeutics Laboratory 4.5 Credits
Utilizes the nursing process and the performance of therapeutic nursing interventions in the laboratory and clinical settings.

Prerequisites: NS A204 with a minimum grade of C and NS A216 with a minimum grade of C and NS A300 with a minimum grade of C.

Corequisites: NS A303 AND NS A309.

NS A305 Health Assessment of Individuals 2 Credits
Focuses on health assessment across the lifespan with an emphasis on interviewing and data collection, interpretation and documentation. Provides the skills for developing a systematic approach to performing a health history and physical examination.

Special Note: Offered only in Fall semester.

Registration Restrictions: Admission to the clinical major and RN licensure in the state of Alaska

Prerequisites: NS A205 or concurrent enrollment.

Corequisites: NS A305L.

NS A305L Health Assessment of Individuals Laboratory 1 Credit
Laboratory experience to apply knowledge and skills introduced in NS A305.

Registration Restrictions: Admission to clinical major and RN licensure in the state of Alaska

Prerequisites: NS A205 or concurrent enrollment.

Corequisites: NS A305.

NS A307 Foundations of Nursing Practice: Health Assessment Theory 1 Credit
Develops the knowledge and skills necessary to perform an adult health assessment. Emphasizes integration of the nursing process in patient-centered health assessments, including risk assessment and reduction. Uses a variety of learning techniques to teach physical, psychological, sociocultural and spiritual approaches to health assessment.

Prerequisites: NS A205 with a minimum grade of C and NS A216 with a minimum grade of C and NS A300 with a minimum grade of C and DN A203 with a minimum grade of C.

Corequisites: NS A303 AND NS A303L AND NS A307L AND NS A309.
NS A307L Foundations of Nursing Practice: Health Assessment Laboratory 2 Credits
Develops the knowledge and skills necessary to perform an adult health assessment. Emphasizes integration of the nursing process in patient-centered health assessments, including risk assessment and reduction. Uses a variety of techniques to teach physical, psychological, sociocultural and spiritual approaches to health assessment.
Prerequisites: NS A205 with a minimum grade of C and NS A216 with a minimum grade of C and NS A305 with a minimum grade of C and NS A305L with a minimum grade of P and NS A308 with a minimum grade of C and DN A203 with a minimum grade of C.
Corequisites: NS A303 AND NS A303L AND NS A307 AND NS A309.

NS A308 Dimensions of Professional Nursing Practice 3 Credits
Facilitates the RN student's return to school to the baccalaureate nursing program. Introduces the theories, concepts, roles, and competencies relevant to professional nursing practice. The history of nursing provides the context for exploring the evolution of nursing as a profession. Examines current social, political, and legal issues and trends in health care and their implications for nursing practice and the RN student's goals for professional development.
Prerequisites: NS A204.

NS A309 Pharmacology in Nursing 3 Credits
In-depth consideration of the use of prescription and non-prescription drugs by individuals at varying developmental levels and with differing health status. Within the context of the nursing process, students develop the knowledge and skills needed to safely administer drugs, to assist clients to develop decision-making skills to enable independent management of drug regiments, to evaluate clients' responses to drug therapy, and to prevent and minimize toxicity.
Registration Restrictions: Admission to BS, Nursing Science major, or RN licensure in State of Alaska.
Prerequisites: NS A204 with a minimum grade of C and NS A216 with a minimum grade of C and NS A300 with a minimum grade of C.

NS A313 Health Disruptions I Laboratory 3 Credits
Introduces episodic health disruptions occurring across the lifespan to include collaborative care and nursing management. Emphasizes psychomotor competencies associated with clinical conditions in the clinical setting. Focuses on nursing management of the individual and the family within the acute care setting.
Prerequisites: NS A303 with a minimum grade of C and NS A307L with a minimum grade of P and NS A307 with a minimum grade of C and NS A307L with a minimum grade of C and NS A309 with a minimum grade of C.
Corequisites: NS A313.

NS A314 Health I for Registered Nurses 2 Credits
Emphasizes health promotion, illness prevention, and health protection strategies for individuals and families across the lifespan to achieve and maintain healthy lifestyles and self-management of health. Introduces concepts of community health nursing, epidemiology, and injury prevention.
Special Note: Offered only in Spring semester.
Registration Restrictions: Admission to the clinical major and RN licensure in the state of Alaska.
Prerequisites: NS A205 with a minimum grade of C and NS A308 with a minimum grade of C.
Corequisites: NS A314L AND NS A417.

NS A314L Health I for Registered Nurses Laboratory 2 Credits
Provides clinical experience to build skills and reinforce student learning in NS A314.
Special Note: Offered only in Spring semester.
Registration Restrictions: Admission to the clinical major and RN licensure in the state of Alaska.
Prerequisites: NS A205 with a minimum grade of C and NS A308 with a minimum grade of C.
Corequisites: NS A314.

NS A315 Health I: Nursing Therapeutics 3 Credits
Emphasizes health states and risk factors amenable to health promotion and illness prevention efforts. Focuses on achieving and maintaining healthy lifestyles as well as self-management of health in individuals and families across the lifespan.
Registration Restrictions: BS Nursing Science majors only.
Prerequisites: NS A204 with a minimum grade of C and NS A216 with a minimum grade of C and NS A300 with a minimum grade of C and NS A303 with a minimum grade of C and NS A303L with a minimum grade of P and NS A309 with a minimum grade of C and NS A313 with a minimum grade of C and NS A313L with a minimum grade of P.
Corequisites: NS A315L.

NS A315L Health I: Nursing Therapeutics Laboratory 3 Credits
Provides clinical experience to build skills and reinforce student learning in NS A315.
Registration Restrictions: BS Nursing Science majors only.
Prerequisites: NS A204 with a minimum grade of C and NS A216 with a minimum grade of C and NS A300 with a minimum grade of C and NS A303 with a minimum grade of C and NS A303L with a minimum grade of P and NS A309 with a minimum grade of C and NS A313 with a minimum grade of C and NS A313L with a minimum grade of P.
Corequisites: NS A315.
NS A400 Nursing Research 3 Credits
Introduction to research methods in nursing and health care. Emphasis on research on identification of researchable questions, problem formulation, research design, data collection, and analysis. Focus on the role of the professional nurse prepared at the baccalaureate level and on strategies for the utilization of research findings in clinical practice.
Registration Restrictions: Prior completion of a statistics course.
Prerequisites: NS A303 with a minimum grade of C and NS A303L with a minimum grade of P and NS A313 with a minimum grade of C and NS A313L with a minimum grade of P and NS A315 with a minimum grade of C and NS A315L with a minimum grade of P and PHIL A302 with a minimum grade of C.

NS A401 Health Disruptions II 3 Credits
Emphasis on episodic health disruptions in specialty-focused care. Nursing therapeutics focus on care of individuals, families and environments.
Prerequisites: NS A313 with a minimum grade of C and NS A313L with a minimum grade of P and NS A315 with a minimum grade of C and NS A315L with a minimum grade of P.
Corequisites: NS A401L.

NS A401L Health Disruptions II Laboratory 2.5 Credits
Provides clinical experience to build skills and reinforce student learning in NS A401.
Prerequisites: NS A313 with a minimum grade of C and NS A313L with a minimum grade of P and NS A315 with a minimum grade of C and NS A315L with a minimum grade of P.
Corequisites: NS A401.

NS A406 Nursing Therapeutics in Complex Health Disruptions 2.5 Credits
Emphasizes health disruptions with complex pathophysiology and/or psychological adjustments of clients of all ages and their families. Nursing management includes a high level of collaboration with other health care providers and agencies utilizing previously learned nursing therapeutics.
Corequisites: NS A400 AND NS A401 AND NS A401L AND NS A406L.

NS A406L Nursing Therapeutics in Complex Health Disruptions Laboratory 2.5 Credits
Provides clinical experience to build skills and reinforce student learning in NS A406.
Prerequisites: NS A401 with a minimum grade of C and NS A401L with a minimum grade of P.
Corequisites: NS A406.

NS A411 Population Health Integrative Capstone 3 Credits
Focuses on the role of the nurse in care of populations and/or vulnerable groups. Prepares students to conduct applied research to complete a Population Health Integrative Capstone project.
Registration Restrictions: Completion of all Tier 1 GER (basic college-level skills) courses and senior standing
Prerequisites: NS A400 with a minimum grade of C and NS A401 with a minimum grade of C and NS A401L with a minimum grade of P and NS A406 with a minimum grade of C and NS A406L with a minimum grade of P.
Corequisites: NS A411L.
Attributes: UAA Integrative Capstone GER.

NS A411L Population Health Integrative Capstone Laboratory 2.5 Credits
Clinical experience and fieldwork to build skills and reinforce student learning in NS A411 Population Health Integrative Capstone project.
Registration Restrictions: Admission to the BS in Nursing Science (either pre-licensure or RN-BS option)
Prerequisites: NS A400 with a minimum grade of C and NS A401 with a minimum grade of C and NS A401L with a minimum grade of P and NS A406 with a minimum grade of C and NS A406L with a minimum grade of P.
Corequisites: NS A411.

NS A415 Nursing Management and Legal Perspectives 4 Credits
Theories of management and organizations for basic students in relation to health care delivery systems. Emphasis is on the role of the professional nurse in health care organizations. Provides an overview of skills and techniques used for effective leadership and management of health care services. Exploration of legal implications and perspectives in nursing practice.
Prerequisites: NS A313 with a minimum grade of C and NS A315 with a minimum grade of C.

NS A416 Concentration in Clinical Nursing 0.5 Credits
Facilitates the integration and synthesis of knowledge basic to a beginning professional level of nursing practice. A major emphasis upon analyzing and evaluating issues arising in the practice setting.
Prerequisites: NS A400 with a minimum grade of C and NS A401 with a minimum grade of C and NS A401L with a minimum grade of P and NS A406 with a minimum grade of C and NS A406L with a minimum grade of P and NS A411 with a minimum grade of C and NS A411L with a minimum grade of P and NS A415 with a minimum grade of C.
Corequisites: NS A416L.

NS A416L Concentration in Clinical Nursing Lab 3.5 Credits
Application of clinical skills acquired throughout the BS Nursing program in a clinical setting incorporating research, management, and theory in delivering nursing care to individuals, families, and populations.
Prerequisites: NS A400 with a minimum grade of C and NS A401 with a minimum grade of C and NS A401L with a minimum grade of P and NS A406 with a minimum grade of C and NS A406L with a minimum grade of P and NS A411 with a minimum grade of C and NS A411L with a minimum grade of P and NS A415 with a minimum grade of C.
Corequisites: NS A416.

NS A417 Management in Nursing 3 Credits
Explores theories of management in relation to health care delivery systems. Discusses strategies and techniques for effective leadership and management in health care environments. Synthesizes and integrates knowledge and skills gained from clinical practice into theoretical context.
Special Note: Offered only in Spring semester.
Registration Restrictions: RN licensure in state of Alaska.
Prerequisites: NS A305 and NS A308.
Corequisites: NS A314 AND NS A314L.
NS A420 Caring for Individuals with Intellectual and Developmental Disabilities 3 Credits
Introduces dynamics of nursing supports for individuals experiencing intellectual and/or developmental disabilities (IDD). Reviews the history of IDD in the United States, common health and psychosocial issues for this population, and barriers to health care; provides strategies to assess needs, plan appropriate care, and advocate for elimination of healthcare barriers.
Registration Restrictions: Enrollment in the School of Nursing or departmental approval.
Prerequisites: NS A204 with a minimum grade of C and NS A216 with a minimum grade of C and NS A300 with a minimum grade of C.

NS A422 Management of the Critically Ill Adult 3 Credits
Applies nursing process to the care of adults in the critical care environment. Emphasizes integration of physical assessment and physiological monitoring to diagnose needs and plan interventions for critically ill adult patients.
Registration Restrictions: Prerequisites or current RN licensure
Prerequisites: NS A406 with a minimum grade of C and NS A406L with a minimum grade of P.

NS A423 Transcultural Nursing 3 Credits
Examines socio-cultural factors that influence health, illness, and health-related behaviors, including cultural beliefs, values, and lifestyles. Explores the historical development of the major non-western and western health systems with implications for nursing practice. Places health-related behaviors within a cultural context and applies the elements of a culturally sensitive approach to clients seeking professional nursing care services.
Special Note: Not available for credit to students who have completed NSG A623.
Registration Restrictions: RN license to practice in the state of Alaska, enrolled in baccalaureate program or instructor permission.
May Be Stacked With: NSG A623
Prerequisites: NS A315 with a minimum grade of C and NS A315L with a minimum grade of P.

NS A424 Issues in Women's Health 3 Credits
Explores current issues, research, and controversies affecting women's health with a focus on health promotion and maintenance. Addresses life cycle issues, special needs, unique populations and advocacy.
Registration Restrictions: If prerequisites not met, then RN licensure in the state of Alaska.
Prerequisites: NS A300 with a minimum grade of C and NS A303 with a minimum grade of C and NS A303L with a minimum grade of P and NS A309 with a minimum grade of C and NS A313 with a minimum grade of C and NS A313L with a minimum grade of P and NS A315 with a minimum grade of C and NS A315L with a minimum grade of P.

NS A426 Critical Care Concepts in Acute Care Settings 3 Credits
Prepares experienced, registered nurses for entry-level practice in critical care and provides opportunities to analyze past and current clinical situations and adapt concepts used in critical care settings to their current practice. Emphasis on developing an ability to predict and project events for clients who are either critically ill or have the potential to develop a critical illness. Builds on sound assessment skills and broad experiences of competent registered nurses.
Registration Restrictions: RN licensure in state of Alaska.

NS A429 Perioperative Nursing 3 Credits
Introduces perioperative nursing, its origin and purpose, including functions of the surgical suite team members. Covers the perioperative nursing role as it relates to preoperative preparation, intraoperative period, and recovery.
Registration Restrictions: RN licensure or departmental approval
Prerequisites: NS A300 with a minimum grade of C and NS A303 with a minimum grade of C and NS A309 with a minimum grade of C and NS A313 with a minimum grade of C and NS A303L with a minimum grade of P and NS A313L with a minimum grade of P.

NS A430 Rural Health Care 3 Credits
Analysis of rural health care from a problem-solving framework. Alaskan communities are utilized as a focus for the course.
Registration Restrictions: If prerequisite not met, then RN licensure in the state of Alaska.
Prerequisites: NS A300 with a minimum grade of C.

NS A431 Human Sexuality in Health and Illness 3 Credits
Explores physiological, psychological and social nature of human sexuality and implications for the role of the professional nurse. Emphasizes the sexual behavior of individuals and groups and the impact of illness on sexuality.
Registration Restrictions: If prerequisites not met, then RN licensure in state of Alaska.
Prerequisites: NS A300 with a minimum grade of C and NS A303 with a minimum grade of C and NS A303L with a minimum grade of P and NS A309 with a minimum grade of C.

NS A433 Health Education: Theory and Practice 3 Credits
Provides the theoretical foundation for health education and health promotion. Develops students' abilities to design and deliver health education programs.
Registration Restrictions: Faculty permission
Crosslisted With: HS A433
Prerequisites: HS A220 or NS A300 with a minimum grade of C.

NS A434 Health Care of the Elderly 3 Credits
Overview of issues which affect older adults and their lifestyles. Addresses normal physiological and psychosocial aging changes, and health concepts of prevention, promotion, and protection. Includes issues affecting care giving of older family members in a multitude of settings. Explores health policies which have financial, legal, and ethical implications. Highlights special needs of Alaskan elderly.
Registration Restrictions: Prerequisites or RN licensure in Alaska.
Prerequisites: NS A300 with a minimum grade of C and NS A303 with a minimum grade of C and NS A303L with a minimum grade of P and NS A309 with a minimum grade of C.

NS A435 Disaster Nursing 3 Credits
Exploration of varying types of disasters, their effects on populations and the subsequent role of federal, state, and local agencies in management. Examines roles of the health care agencies and nursing responsibilities both within the community and in acute care agencies.
Registration Restrictions: Prerequisites or RN licensure in Alaska.
Prerequisites: NS A303 with a minimum grade of C or concurrent enrollment and NS A309 with a minimum grade of C or concurrent enrollment.
NS A442 Introduction to Forensic Nursing 3 Credits
Provides an overview of forensic nursing. Explores the etiology of interpersonal violence, intentional injury, and trauma in relation to victim and/or perpetrator populations. Develops understanding of the collaborative and multidisciplinary role of this specialty.

Registration Restrictions: RN licensure in the state of Alaska.
Prerequisites: NS A313 with a minimum grade of C and NS A313L with a minimum grade of P and NS A315 with a minimum grade of C and NS A315L with a minimum grade of P.

NS A451 Introduction to Neonatal Intensive Care Nursing 3 Credits
Introduction to neonatal critical care nursing. Topics include the pathophysiology and nursing management of common neonatal disease states, developmentally-focused nursing care of premature and newborn infants, and current issues and trends in neonatal nursing.

Prerequisites: NS A401 or concurrent enrollment.

NS A490 Selected Topics in Nursing Practice 3 Credits
Enhances and extends students' understanding of a selected topic.
Special Note: May repeat once with a change of topic.

Registration Restrictions: Nursing major or RN license in state of Alaska
Prerequisites: NS A204 with a minimum grade of C and NS A216 with a minimum grade of C and NS A300 with a minimum grade of C.

NS A625L Biostatistics for Health Professionals Lab 1 Credit
Introduction to statistical analysis using statistical software. Focuses on creating a database, evaluating data for entry errors, identifying statistical test assumptions, and computing descriptive and inferential statistics.

Registration Restrictions: Graduate standing or instructor permission, and grade of C or better in undergraduate statistics course
Prerequisites: HS A625 or concurrent enrollment.