NURSING

Chair: Barbara Johnston, Department of Nursing

Master of Science in Nursing (MSN)

The faculty of the School of Nursing and Health Studies believe that the Monmouth University graduate programs in nursing prepare the graduate for advanced nursing practice and extend the values of autonomy, leadership, and professionalism that are stressed in the undergraduate nursing program to the nurse prepared at the graduate level. The function of the MSN graduate is to promote, restore, and maintain health and/or allow for a peaceful, dignified death. Advanced nursing practice requires master's preparation and, where available, certification in a specialty area of practice by a recognized nursing certification program. Advanced nursing practice is based on a unique body of knowledge derived from scientific research and best practices. This knowledge base enhances the graduate's ability to synthesize interrelating factors that influence the health of individuals and populations in their environment. The faculty believe that the nurse in advanced practice is proficient in a defined body of knowledge and a selected area of nursing practice. The nurse in advanced practice may work in an independent setting or in an interprofessional collaborative practice.

The MSN program is composed of three major areas:

1. A graduate nursing core that provides the theoretical and research foundation necessary for advanced nursing practice;
2. An advanced nursing practice concentration that provides the student with the skills necessary to have a positive impact on healthcare;
3. Detailed study and practice in the selected area of specialization.

Faculty believe that education for the nurse in advanced practice must be a realistic, idealistic, future-oriented, teaching-learning process that promotes the development of the cognitive, affective, and psychomotor abilities contributing to professional growth and ultimate personal responsibility for continued learning. This education helps the graduate to develop justifiable confidence in the intellectual and clinical proficiency necessary for advanced practice. This process enriches the conceptual base that supports both the critical thinking and ethical decision-making expected of the nurse in advanced practice. It strengthens the sense of commitment to the attitudes and values of the nursing profession.

Faculty believe that education at the graduate level is essential to provide students with an expanded and enhanced knowledge of nursing science. This level of education enables students to perfect their personal philosophy for advanced nursing practice, to understand the emerging roles of the professional nurse, and to modify their roles and responsibilities as healthcare continues to change. Students may transfer a maximum of nine credits to be applied toward the master's degree, provided the courses were completed with a grade of "B" or better and that the courses are appropriate for the graduate track.

MSN Forensic Nursing

Forensic Nursing is the practice of nursing in which health care and the legal systems intersect. As an emerging field, forensic nursing encompasses a body of specialized knowledge that serves a unique and critical role to health care and the judicial systems. The registered nurse collaborates with the field of law to apply nursing science to public and legal proceedings. The registered nurse protects, promotes, and optimizes health by providing services to individuals while consulting with health care providers, the insurance sector, attorneys, and law-related agencies.

Monmouth is proud to be one of a few schools in the nation to offer an MSN program as well as a graduate certificate in Forensic Nursing. This dynamic field allows specialization such as Care Management (e.g., Life Care Planner, Case Manager, Legal Nurse Consultant, Medicare Set Aside Coordinator) or Interpersonal Violence (e.g., Sexual Assault Nurse Examiner (SANE), Child or Elder Abuse, Death Investigator, provide health care in a correctional facility). The programs prepare graduates to work in a variety of areas including chair/elder abuse; legal nurse consulting; domestic violence intervention; life care planning; sexual assault examiner; mass disaster response; and death investigation.

MSN School Nursing for Non-Certified Nurses

School Nurses who are emergency-certified through the New Jersey State Department of Education or who work full-time as a school nurse for a minimum of six months may have NU-587P Practicum: School Nurse I (2 cr.) waived if they provide a letter of verification from a school official. School Nurse Students who show evidence of teaching health in a school system may have NU-588P Practicum: School Nurse II (2 cr.) waived if they provide a letter of verification from a school official. At the discretion of their advisor, School Nurse Students with a baccalaureate degree in a field other than nursing may be required to take NU-312 Individual Health Assessment (3 cr.) or equivalent continuing education units in adult or pediatric physical assessment. At the discretion of their advisor, non-certified School Nurse Students with a baccalaureate degree in a field other than nursing may be required to take NU-413 Community Health Nursing I: Nursing of the Young Family (3 cr.) and/or NU-414 Community Health Nursing II: Nursing of Communities (3 cr.).

MSN School Nursing for Certified School Nurses

Students with a baccalaureate degree in a field other than nursing may be required to take NU-312 Individual Health Assessment (3 cr.) or equivalent continuing education units in adult or pediatric physical assessment at the discretion of their advisors. Certified School Nurse Students with a baccalaureate degree in a field other than nursing may be required to take NU-413 Community Health Nursing I: Nursing of the Young Family (3 cr.) and/or NU-414 Community Health Nursing II: Nursing of Communities (3 cr.) at the discretion of their advisor.

RN to MSN Direct Program

The School of Nursing and Health Studies offers an RN to MSN Direct Program. The RN to MSN Direct Program is designed to allow nurses to more quickly attain a Master of Science in Nursing degree. Registered nurses who presently hold an associate degree or diploma in nursing will be able to earn an MSN degree without earning a baccalaureate degree upon successful completion of courses totaling 150 credits. Through full-time or part-time study, RNs are provided the opportunity to advance their professional careers. Students are accepted into the RN to MSN Direct Program if they satisfy all admission requirements (please refer to the Admission section of this catalog for details) including the successful completion of the thirty-credit Undergraduate Nursing Certificate. The requirements for this certificate are located in the Admission section of the undergraduate catalog and can also be found on the Monmouth University Web site (http://www.monmouth.edu/university/important-information-and-links.aspx).

Depending on the selected MSN track, students are required to complete thirty-six to forty-eight graduate nursing credits. In order to earn a Master...
of Science in Nursing degree, as stipulated by the State of New Jersey, students must document completion of at least 150 credits. Please note that graduate tuition and fees will apply once a student begins an MSN program.

Bridge Program for Registered Nurses
Registered nurses with a bachelor’s degree in a field other than nursing can bridge into the MSN program by taking three upper-division undergraduate nursing courses (nine credits) at Monmouth University prior to taking courses in the MSN track of his or her choice. One of the three courses may be waived, at the program director’s discretion, if the student has already completed a college-level health assessment or an appropriate continuing education course.

Graduate Endorsements in School Nursing, School Nursing Non-Instructional
The Monmouth University Graduate Endorsements in School Nursing is intended for registered nurses interested in completing the requirements for the New Jersey School Nurse Certificate and/or the New Jersey School Nurse Certificate Non-Instructional. At the discretion of their advisor, School Nurse Students with a baccalaureate degree in a field other than nursing may be required to take NU-312 Individual Health Assessment (3 cr.) or the equivalent continuing education units in adult or pediatric physical assessment. At the discretion of their advisor, non-certified School Nurse Students with a baccalaureate degree in a field other than nursing may be required to take NU-413 Community Health Nursing I: Nursing of the Young Family (3 cr.) and/or NU-414 Community Health Nursing II: Nursing of Communities (3 cr.). (Students with a baccalaureate degree in nursing will generally receive transfer credits for the preparatory courses.)

Graduate Certificate in Forensic Nursing
The Monmouth University Graduate Certificate in Forensic Nursing is intended for registered nurses with a baccalaureate degree in nursing interested in providing direct services to individuals and consultation to healthcare and law-related agencies. The program will prepare graduates to work in a variety of areas, including child/elder abuse assessment and evaluation, domestic violence intervention, sexual assault examination, mass disaster response, and death investigation.

Post-Master’s Certificates
Monmouth’s post-master’s certificates are designed for nurses who have already completed a master’s degree in nursing. The Nurse Practitioner certificate program prepares advanced practice nurses in primary care or other relevant settings to work with persons in their environment through independent nursing assessment, diagnosis, and treatment or referral to another practitioner when necessary.

Students may transfer a maximum of six credits (30 percent or less of the total credit requirements) toward the certificate, provided the courses were completed with a grade of “B” or better and the courses are appropriate for the certificate program. This restriction also applies to those credits that have been waived or were earned with Credit by Exam.

Please refer to the Admission section of this catalog for additional admission requirements.

Doctor of Nursing Practice (DNP)
The DNP program was established in 2011 and was designed to address the complexity of healthcare systems by producing clinical leaders who can excel in highly complex and rapidly evolving healthcare environments. The DNP is designed for MSN graduate nurses such as nurse practitioners, nurse educators, nurse managers, and school nurses. The mission of the DNP program at Monmouth University is to prepare nursing leaders with a doctorate that provides skills and competencies enabling graduates to contribute advanced nursing practice at its highest level and improve delivery of nursing care in complex healthcare environments, obtained through scholarly inquiry and translation of research.

The DNP program is a thirty-six-credit post-master’s degree program that prepares the MSN graduate nurse with the skills necessary to influence and implement quality healthcare improvements. The DNP curriculum focuses on evidence-based practice, organizational and systems leadership, information technology, inter-professional collaboration, emerging practice challenges, and implementing translational research and science into practice.

The use of advanced clinical skills and research is consistent with Monmouth University’s commitment to personalized education. A DNP change project, designed to bring together the theoretical and practical work in and out of the classroom, is a requirement for all students enrolled. Emersion into the leadership role is facilitated through several practicum courses.

Throughout the program, students gain the knowledge and leadership skills necessary to influence access to healthcare, to promote safety standards, and to advocate for policy changes on a local, regional, and national level so that delivery systems can be improved. In order to enter the DNP program, students must be graduates of an accredited master’s level nursing program, have a current RN license, and certification in a specialty practice is preferred. Please refer to the Admission section of this catalog for additional admission requirements.

The baccalaureate degree in nursing, master’s degree in nursing, Doctor of Nursing Practice, and post-graduate APRN certificates at Monmouth University are accredited by the Commission on Collegiate Nursing Education (CCNE) (http://www.ccneaccreditation.org).

Programs Masters
- MSN: Adult-Gerontological Primary Care Nurse Practitioner (http://catalog.monmouth.edu/graduate-catalog/graduate-admission)
- MSN: Family Nurse Practitioner (http://catalog.monmouth.edu/graduate-catalog/graduate-admission)
- MSN: Nursing Administration (http://catalog.monmouth.edu/graduate-catalog/graduate-admission)
- MSN: School Nursing for Certified School Nurses (http://catalog.monmouth.edu/graduate-catalog/graduate-admission)
- MSN: School Nursing - Non-Certified School Nurses (http://catalog.monmouth.edu/graduate-catalog/graduate-admission)
nursing-health-studies/school-nursing-non-certified-school-nurses-msn)
• MSN: Nursing Education (http://catalog.monmouth.edu/graduate-catalog/marjorie-k-unterberg-nursing-health-studies/nursing-education-msn)
• MSN: Forensic Nursing (http://catalog.monmouth.edu/graduate-catalog/marjorie-k-unterberg-nursing-health-studies/forensic-nursing-msn)
• MSN: Psychiatric and Mental Health Nurse Practitioner (http://catalog.monmouth.edu/graduate-catalog/marjorie-k-unterberg-nursing-health-studies/psychiatric-mental-health-nurse-practitioner-msn)
• MS in Physician Assistant (http://catalog.monmouth.edu/graduate-catalog/marjorie-k-unterberg-nursing-health-studies/physician-assistant-ms)

Doctorate
• Doctor of Nursing Practice (http://catalog.monmouth.edu/graduate-catalog/marjorie-k-unterberg-nursing-health-studies/doctor-nursing-practice)

Graduate Certificate
• Forensic Nursing (http://catalog.monmouth.edu/graduate-catalog/marjorie-k-unterberg-nursing-health-studies/forensic-nursing-graduate-certificate)

Graduate Endorsements
• School Nursing (http://catalog.monmouth.edu/graduate-catalog/marjorie-k-unterberg-nursing-health-studies/school-nursing-graduate-certificate)
• School Nursing - Non-Instructional (http://catalog.monmouth.edu/graduate-catalog/marjorie-k-unterberg-nursing-health-studies/school-nursing-non-instructional-graduate-certificate)

Post-Master's Certificates
• Adult-Gerontological Primary Care Nurse Practitioner (http://catalog.monmouth.edu/graduate-catalog/marjorie-k-unterberg-nursing-health-studies/adult-gerontological-primary-care-nurse-practitioner-post-masters-certificate)
• Family Nurse Practitioner (http://catalog.monmouth.edu/graduate-catalog/marjorie-k-unterberg-nursing-health-studies/family-nurse-practitioner-post-masters-certificate)
• Psychiatric and Mental Health Nurse Practitioner (http://catalog.monmouth.edu/graduate-catalog/marjorie-k-unterberg-nursing-health-studies/psychiatric-mental-health-nurse-practitioner-post-masters-certificate)

Faculty
Belinda Anderson, Professor (Graduate Faculty). Director of the Institute for Health and Wellness. BS, University of New England, Australia; MA, Teachers College Columbia University; MAOM, Massachusetts College of Pharmacy and Health Sciences; PhD, University of Sydney, Australia.
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Cira Fraser, Professor and Director of the DNP Program (Graduate Faculty). BS, The College of New Jersey; MS, Rutgers University, Newark; PhD, Adelphi University, RN, ACNS-BC. Specialty interest areas include nursing research, quantitative and qualitative data analysis, online education, and psychosocial issues in chronic illness with an emphasis on multiple sclerosis.
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Laura T Jannone, Associate Professor (Graduate Faculty). BSN, MS, New Jersey City State College; EdD, Teachers College, Columbia University. NJ-CSN, FNASN. Specialty areas and interests are tobacco prevention and cessation, school nursing, and health policy.
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Rose Knapp, Associate Professor and Graduate Program Director (Graduate Faculty). BA, State University of Plattsburgh; MS, Seton Hall University; DNP, University of Miami, ACNP-BC. Specialty interest areas include acute care and emergency nursing issues, pharmacology and primary care, and disaster preparedness.
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Janet Mahoney, Professor (Graduate Faculty). Dean of the School of Nursing and Health Studies. RN, St. Mary's Hospital; BSN, Monmouth University (Monmouth College); MSN, Seton Hall University; PhD, APN-BC, ENA-BC New York University. Specialty areas and interests include nursing research, nursing administration, and gerontological nursing.
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Colleen Manzetti, Associate Professor (Graduate Faculty). BS, Rutgers University; MS, Monmouth University; DNP, Samford, Alabama CNE, CNLCP. Specialty interests include life care planning, rehabilitation nursing, nursing education, collaboration, and leadership.
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Courses

NU-SANE Sexual Assault Nurse Examiner Credits: None
Term Offered: All Terms
Course Type(s): None
Provides basic theoretical and forensic principles to treat victims of sexual crimes by introducing standards of practice for the sexual assault nurse examiner (SANE) as outlined for SANE certification. Standards and principles of nursing practice will be applied to the practice of various areas of expertise held by SANE nurses. Forensic evaluation may include victims of all ages and ethnic and socioeconomic backgrounds within a framework of community and agency policies, procedures and protocols. Using the nursing process in the investigation of sexual assault and in the promotion and restoration of psychological, biological, and social health of survivors of sexual assault or abuse will be introduced. History and physical examination, crisis intervention, identifying and collecting evidence, and treating and counseling victims will be discussed. This is a pass/fail course.

NU-508 Factors Affecting Healthcare Credits: 3
Term Offered: All Terms
Course Type(s): None
Examine models and contexts for health promotion and disease prevention; examine the influence of culture on health beliefs and practices; and ethical dilemmas. Investigate factors such as access to care, health and social policy, healthcare finance and economics, and legislative influences on health. Students must earn a minimum grade of B in the course. Students who receive less than a grade of B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.
NU-509 Health Informatics Credits: 3
Term Offered: All Terms
Course Type(s): None
Introduction to the concept of informatics and its impact on decision-making in nursing and allied health sciences. Review of the methodology of analyzing, formalizing, and processing information applicable to all components of health and nursing practice: clinical practice, management, education, and research; and investigating determinants, conditions, elements, models and processes in order to design, implement, and test the effectiveness and efficiency of computerized information as it relates to nursing and health practice. Includes (1) an overview of the basic computer skills required to process electronic information, (2) identification of the nature and types of health, nursing, and medical information available on the World Wide Web, (3) development of search skills associated with finding health, nursing, and medical information on the World Wide Web, and (4) linking electronic information to decision-making processes in nursing, medical, and allied health sciences. Students must earn a minimum grade of B in the course. Students who receive less than a grade of B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-512 Nursing Research for Advanced Nursing Practice Credits: 3
Prerequisite: NU-509.
Term Offered: All Terms
Course Type(s): None
Critical appraisal of the role of nursing research and research methods of inquiry in the development of nursing theory and practice. Qualitative and quantitative research methods; research designs; measurement theory and strategies; methods of data analysis; read, critique and write research reports; ethics, application of research techniques for outcomes evaluation and evidence-based practice. Students must earn a minimum grade of B in the course. Students who receive less than a grade of B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-514 Data Management for Advanced Nursing Practice Credits: 3
Prerequisites: NU-509 and NU-512.
Term Offered: All Terms
Course Type(s): None
Planning for and collection of outcome data; preparation of data for hypothesis testing; use of the SPSS statistical computer package for data management and analysis; selection and interpretation of appropriate parametric and nonparametric descriptive and inferential statistics for outcome evaluation. Quantitative and qualitative data analysis. Students must earn a minimum grade of B in the course. Students who receive less than a grade of B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-518 Education and Motivation of Nursing Clients Credits: 3
Term Offered: All Terms
Course Type(s): NU.EL
Role of the nurse in fostering health promotion via education of clients, families, and professional colleagues. Essential factors for successful teaching and learning. Motivating the client to make behavioral changes to promote health and development. Development, presentation, and evaluation of a formal teaching plan. Students must earn a minimum grade of B in the course. Students who receive less than a grade of B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-521 Pathophysiology and Histology Credits: 3
Term Offered: All Terms
Course Type(s): None
Focuses on pathogenesis of selected diseases leading to alterations of body structure and functions across the life span. Emphasizes the laboratory identification of vertebrate tissue. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-524 Pharmacology for Advanced Nursing Practice Credits: 3
Prerequisite: NU-521.
Term Offered: All Terms
Course Type(s): None
Historical perspective, legal regulations and standards, the Controlled Substances Act; pharmacokinetics; pharmacodynamics; choice and use of pharmacotherapeutics; nursing responsibilities in drug prescription; client education with respect to drug-desired effects, side effects, interactions, toxicity, dependence, and addiction. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-535 Advanced Health Assessment Credits: 3
Prerequisite: NU-524.
Term Offered: All Terms
Course Type(s): None
Theory and practice of health assessment skills, identification of deviations from the normal and documentation of findings are refined. Advanced-level assessment includes the comprehensive history, physical, and psychological variations of the client. The client is viewed holistically, incorporating cultural, nutritional, and developmental variations. Application of techniques is practiced in the college laboratory and with clients in outside agencies. Students translate assessment data into differential diagnosis and interpret laboratory and diagnostic data. Relationship of health assessment to the role and responsibilities of the nurse is examined. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.
**NU-536 Advanced Health Assessment for Forensic Nurses**  
Credits: 3  
Prerequisites: NU-521 and NU-524.  
Term Offered: All Terms  
Course Type(s): None  
Theory and practice of health assessment skills, identification of deviations from the normal and documentation of findings are refined. Advanced level assessment includes the comprehensive history, physical and psychological variations of the client across the lifespan. The client is viewed holistically, incorporating cultural, nutritional, and developmental variations. Application of techniques is practiced in the college laboratory and with clients in outside agencies. Students translate assessment data into differential diagnoses and interpret laboratory and diagnostic data. Relationship of health assessment to the role and responsibilities of the nurse is examined. Students must earn a minimum grade of B in the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

**NU-541 Primary Care**  
Credits: 3  
Prerequisites: NU-521, NU-524, and NU-535.  
Corequisite: NU-542.  
Term Offered: All Terms  
Course Type(s): None  
Aspects of advanced health assessment, clinical reasoning, and diagnostic skills necessary to manage common stable, chronic, and episodic alterations in health. Various advanced nursing practice roles in health care, ethical and legal issues in clinical practice, application of research-based clinical outcomes, promotion and maintenance of health, disease prevention and treatment modalities for individuals are explored. Content is presented in weekly clinical case studies related to common alterations in health. Factors influencing health care systems, patterns of human responses, and cultural and epidemiological influences will be discussed in weekly clinical case studies. Performing assessments and screenings related to common alterations in health are also included in a weekly, faculty-supervised clinical practice. This is a pass/fail course.

**NU-542 Primary Care Laboratory**  
Credits: 1  
Prerequisites: NU-521, NU-524, and NU-535.  
Corequisite: NU-541.  
Term Offered: All Terms  
Course Type(s): None  
This clinical course is designed to be taken with the lecture component of NU-541. Aspects of advanced health assessment, clinical reasoning, and diagnostic skills necessary to manage common stable, chronic, and episodic alterations in health. Various advanced nursing practice roles in health care, ethical and legal issues in clinical practice, application of research-based clinical outcomes, promotion and maintenance of health, disease prevention and treatment modalities for individuals are explored. Content is presented in weekly clinical case studies related to common alterations in health. Factors influencing health care systems, patterns of human responses, and cultural and epidemiological influences will be discussed in weekly clinical case studies. Performing assessments and screenings related to common alterations in health are also included in a weekly, faculty-supervised clinical practice. This is a pass/fail course.

**NU-543 Diagnosis and Treatment of Psychopathology**  
Credits: 3  
Corequisite: NU-544.  
Term Offered: Fall Term  
Course Type(s): None  
Provides the basic foundations of clinical management of common psychiatric/mental health problems in adults. For students in the Adult Psychiatric Mental Health APN Track. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

**NU-544 Diagnosis and Treatment of Psychopathology Clinical Laboratory**  
Credits: 1  
Prerequisites: NU-521, NU-524, and NU-535.  
Corequisite: NU-543.  
Term Offered: Fall Term  
Course Type(s): None  
Provides the basic foundations of clinical management of common psychiatric/mental health problems in adults. The student will deliver mental health care to adults with mental health problems including collection of subjective and objective data using the techniques of interview; establishing a psychiatric diagnosis utilizing the DSMIV-TR classification system; and completing an initial psychiatric assessment and identifying psychopharmacologic interventions as appropriate. Establishment of collaborative role with other healthcare providers. Restricted to Psychiatric and Mental Health Nurse Practitioner students only. This is a pass/fail course.

**NU-562 Tests and Measures**  
Credits: 3  
Term Offered: All Terms  
Course Type(s): None  
Considers evaluation methods related to norm-referenced and criterion-referenced evaluation methods in education. Students will investigate criteria used to develop reliable and valid evaluation measures. Current issues and research related to educational testing instruments, alternatives to standardized evaluation methods, and outcome measurement in education will be discussed. Students will explore measurement theory and evaluate measures that are used to identify cognitive, affective, and psychomotor domains as they relate to education. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course. Also listed as NU-762. Students who have taken NU-562 are not eligible to take NU-762.
NU-564  Curriculum Development and Instruction in Nursing Education  Credits: 3
Prerequisite: NU-518.
Term Offered: Fall Term
Course Type(s): None
The primary focus of this course is the process of curriculum development in nursing. Factors influencing curriculum development, the process of curriculum development and evaluation methods are emphasized. Instruction and evaluation in didactic nursing courses and clinical experiences are addressed. Individuals completing this course will be prepared for the role of nurse educator in academic settings. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course. Also listed as NU-764. Students who have taken NU-564 are not eligible to take NU-764.

NU-566P  Nurse Educator Practicum I  Credits: 2
Prerequisites: NU-521, NU-524, and NU-535.
Corequisite: NU-566S.
Term Offered: Fall Term
Course Type(s): None
Provides an opportunity for the students to practice in the role of the novice academic nurse educator in diverse settings. Students apply teaching and learning principles in both academic and clinical settings under the guidance of a preceptor. Through reflection and sharing, students refine their practice and explore the eight core competencies outlined by the National League for Nursing. This is a pass/fail course. Ninety practicum hours required. Also listed as NU-766P. Students who have taken NU-566P are not eligible to take NU-766P.

NU-566S  Nurse Educator Seminar I  Credits: 1
Prerequisites: NU-521, NU-524, and NU-535.
Corequisite: NU-566P.
Term Offered: All Terms
Course Type(s): None
Through discussion and sharing, students refine their educational practice and identify the tasks associated with the eight core competencies of the academic nurse educator outlined by the National League for Nursing. Also listed as NU-766S. Students who have taken NU-566S are not eligible to take NU-766S.

NU-567P  Nurse Educator Practicum II  Credits: 2
Corequisite: NU-567S.
Term Offered: Spring Term
Course Type(s): None
Provides additional opportunities for the students to function in the role of the novice academic nurse educator in diverse settings. Students continue to apply teaching and learning principles in both academic and clinical settings under the guidance of a preceptor during an additional 90 hours of practicum experiences. Through continued reflection and sharing, students refine their practice and explore the eight core competencies outlined by the National League for Nursing. This is a pass/fail course. Ninety practicum hours are required. Also listed as NU-767P. Students who have taken NU 567P are not eligible to take NU-767P.

NU-567S  Nurse Educator Seminar II  Credits: 1
Corequisite: NU-567P.
Term Offered: Spring Term
Course Type(s): None
Through further discussion, and sharing, students refine their practice and identify the tasks associated with the eight core competencies of the academic nurse educator outlined by the National League for Nursing. Also listed as NU-767S. Students who have taken NU-567S are not eligible to take NU-767S.

NU-575  Issues in Forensic Nursing  Credits: 3
Term Offered: Fall Term
Course Type(s): None
Introduction to forensic nursing practice and the concepts, theories, and principles used in this advanced practice role. The use of the nursing process in forensic decision making for the management of individuals or populations are illustrated. The relationship between various socio-cultural factors, psychosocial issues, and ethical challenges are discussed in relationship to catastrophic injuries/illnesses and violent crimes. Comparison of the various roles in which forensic nursing can be applied are examined including the scopes and standards of nursing practice. Legal considerations in areas such as collection of forensic evidence and preservation, discovery, expert testimony are distinguished. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-576  Interpersonal Violence  Credits: 3
Term Offered: All Terms
Course Type(s): NU.EL
Examines the various types and patterns of violence related to cultural values, beliefs, biases and societal issues, as well as the historical perspective of violence. Content includes: family, community, youth, and workplace violence, and child, domestic, elder and sexual abuse. Theories concerning gender violence, gangs, bias and hate crimes, and terrorism are challenged. Public health and health care issues related to violence, and primary, secondary, and tertiary level interventions for victims and offenders of violence are discussed. Individual responsibilities associated with identification and reporting violence are identified. Healthcare measures to identify and prevent violence are analyzed. Methods of treatment for victims and perpetrators of violence are evaluated. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.
NU-577 Forensic Pathology Credits: 3
Prerequisites: NU-521, NU-524, and NU-535, all passed with a grade of B or higher.
Term Offered: Spring Term
Course Type(s): None
Designed to introduce students to concepts of forensic pathology with an emphasis on the recognition and interpretation of diseases and injuries in the human body that are the basis for medico-legal investigations. It presents an overview of the medico-legal investigative systems and the substance and mechanics of forensic pathology. The medical examiner, usually the pathologist, is primarily concerned with the investigation of violent, sudden, unexpected, and suspicious deaths. The medical examiner determines the cause and manner of death, identifies the deceased if unknown, determines the approximate time of injury and death, collects evidence from the body, issues a death certificate, and documents these events through an official autopsy report.

NU-578P Forensic Nursing Practicum Credits: 2
Prerequisites: NU-521, NU-535, NU-543, NU-575, NU-576, and NU-577.
Corequisite: NU-578S.
Term Offered: Spring Term
Course Type(s): None
Students will work in an interdisciplinary team or with individuals in forensic arenas as they apply forensic theory and research in forensic nursing practice. Appropriate techniques for identifying, collecting and documenting pertinent data will be reinforced through clinical practice in a forensic arena. Under the supervision and guidance of a clinical preceptor, students will identify outcomes and plans of action for effective coordination and communication among professionals and clients as a means to learn appropriate techniques for the identification, prevention, and management of victims of crime and trauma. Students will develop expertise in the collection, preservation and documentation of evidence as identified in scopes and standards of forensic nursing practice. Individual experiences are arranged in conjunction with students’ goals for practice. Students will attend a one-hour weekly seminar and a weekly eight-hour clinical practicum. This is a pass/fail course.

NU-578S Forensic Nursing Seminar Credits: 1
Prerequisites: NU-521, NU-535, NU-543, NU-575, NU-576, and NU-577.
Corequisite: NU-578P.
Term Offered: Spring Term
Course Type(s): None
Explores forensic theory and research to forensic nursing practice. Forensic nurses practice as sexual assault examiners, educators, nurse coroners, death investigators, correctional nurses, life care planners, case managers, legal nurse consultants, Medicare set aside coordinators and clinical specialists in pediatrics and, gerontology. Issues addressing systematic analysis of pertinent data, and the physical/psychological issues related to forensic nursing and applying nursing science to public and legal proceedings will be discussed in seminar. Identification of outcomes and plans of action that provide effective coordination and communication in managing clients will be addressed. A scientific and conceptual knowledge of nursing, forensic and criminal justice will assist students to recognize appropriate techniques for the identification, prevention, and management of appropriate clients utilizing the scopes and standards of forensic nursing practice. The collaborative nature of forensic nursing practice as a component of multidisciplinary teams will be stressed. Individual experiences are arranged in conjunction with students’ goals for practice. Students will attend a one hour weekly seminar and a weekly eight hour clinical practicum. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-585 School Nursing I Credits: 4
Term Offered: Fall Term
Course Type(s): None
Examines and analyzes the role of the school nurse as a healthcare provider, health educator, health counselor, child advocate in the school community, and interdisciplinary team member. Explores financial, legal, and administrative issues as they relate to school nursing. Reviews normal growth and developmental patterns. Describes common health problems, special needs, and interventions appropriate for school nurses. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-586 School Nursing II Credits: 4
Term Offered: Spring Term
Course Type(s): None
A continuation of the examination and analysis of the role of the school nurse as healthcare provider, health educator, health counselor, and interdisciplinary team member. An expansion of the role of the nurse as child advocate in the community and as public health nurse. Explores external and internal environmental influences that impact on the health of children. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.
 NU-587P Practicum: School Nurse I  
Prerequisite: NU-585.  
Corequisite: NU-587S.  
Term Offered: Fall Term  
Course Type(s): None  
Introduction to the clinical experience for the school nurse. The student has his/her clinical experience in the school nurse's office where he or she takes an active part in school health services, physical assessments, organization and administration of the school health program as outlined in NJAC 6A-9 Professional Licensure and Standards of the NJ Board of Education Standards. This is a pass/fail course.

 NU-587S Seminar: School Nurse I  
Prerequisite: NU-585.  
Corequisite: NU-587P.  
Term Offered: Fall Term  
Course Type(s): None  
Discusses the school nurse's role as a healthcare provider, health counselor, administrator and member of the interdisciplinary school team. Students who are employed as a school nurse should take this two-credit seminar to fulfill the New Jersey Board of Education's requirement of "a minimum six semester-hour credits in school nursing, including school health services, physical assessments, organization, and administration of the school health program." Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

 NU-588P Practicum: School Nurse II  
Prerequisites: NU-586, NU-587S, and HE-584.  
Corequisite: NU-588S.  
Term Offered: Spring Term  
Course Type(s): None  
A continuation of the clinical experience for the school nurse. The student functions in the role of the school nurse as a health educator. This is a pass/fail course.

 NU-588S Seminar: School Nurse II  
Prerequisites: NU-586, NU-587S, and HE-584.  
Corequisite: NU-588P.  
Term Offered: Spring Term  
Course Type(s): None  
Discusses the school nurse's role as a health educator. Students must earn a minimum of a "B" in the course. Students who receive less than a "B" will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a "B" will make students ineligible to continue in programs requiring this course.

 NU-598 Special Topics in Nursing  
Term Offered: Fall Term  
Course Type(s): None  
Allows students to study a specific aspect of nursing. The subject matter varies from semester to semester and depends on the professor who teaches the course.

 NU-599 Independent Study in Nursing  
Term Offered: All Terms  
Course Type(s): None  
Independent study (theory and/or practica) in a specialized area of interest to the student. Weekly consultations with supervising faculty member.

 NU-621 Advanced Practice Nursing I: Adult Gerontology  
Prerequisites: NU-521, NU-524, NU-535, NU-541 and NU-542.  
Corequisites: NU-622P and NU-622S.  
Term Offered: Fall Term  
Course Type(s): None  
Detailed case study analysis of common health problems of adult and older adults including pathophysiology, epidemiology, strengths and weaknesses of assessment of data collection, diagnostic process, planning, intervention, and evaluation. Interview and perform physical examination techniques for collecting subjective and objective data in primary-care and long-term care settings; deriving diagnoses; planning care for acute and chronic illness in culturally diverse populations utilizing community resources; using communication for health teaching and counseling and to motivate clients for positive health maintenance will be explored. Expansion of traditional nursing role to the advanced practice nurse (APN) role through the incorporation of evidence-based practice, personal knowledge, and ethics will be discussed. The course is process-driven and will require extensive reading in the student's specialty area. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

 NU-622P Advanced Practice Nursing Practicum I: Adult-Gerontology  
Corequisites: NU-621 and NU-622S.  
Term Offered: Fall Term  
Course Type(s): None  
Delivery of primary healthcare to adults and geriatric clients with common health problems, including collection of subjective and objective data using the techniques of interview and physical examination; deriving differential and final diagnoses; planning care for acute and chronic illness using community resources; use of communication for health teaching, counseling, and motivating clients for positive health maintenance. Establishment of interdisciplinary practice with other healthcare providers. This is a pass/fail course.

 NU-622S Advanced Practice Nursing Seminar I: Adult Gerontology  
Corequisites: NU-622P and NU-622S.  
Term Offered: Fall Term  
Course Type(s): None  
Delivery of primary health care to adults and older adults with common health problems including collection of subjective and objective data using the techniques of interview and physical examination; deriving differential and final diagnoses; planning care for acute and chronic illness using community resources; use of communication for health teaching, counseling, and motivating clients for positive health maintenance. Establishment of interdisciplinary practice with other healthcare providers. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.
NU-623 Advanced Practice Nursing II: Adult Gerontology Credits: 3
Prerequisite: NU-621.
Corequisites: NU-624P and NU-624S.
Term Offered: Spring Term
Course Type(s): None
A continuation of NU-621. Detailed case study analysis of health problems including pathophysiology, epidemiology, strengths and weaknesses of assessment data collection, diagnostic process, planning, intervention, and evaluation. Interview and physical examination techniques for collecting subjective and objective data in primary, acute, and chronic illness in culturally diverse populations utilizing community resources; using communication for health teaching and counseling and to motivate clients for positive health maintenance. Expansion of the traditional nursing role to the advanced practice nurse (APN) role through the incorporation of evidence-based practice, personal knowledge, and ethics. A process-driven course that will require extensive reading in the student's specialty area. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-624P Advanced Practice Nursing Practicum: Adult Gerontology Credits: 3
Prerequisites: NU-621, NU-622S, and NU-622P.
Corequisites: NU-623 and NU-624S.
Term Offered: Spring Term
Course Type(s): None
Delivery of primary healthcare to adult/gerontological and adolescent clients with common health problems including, collection of subjective and objective data using the techniques of interview and physical examination; deriving diagnoses; planning care for acute and chronic illness using community resources; communication for health teaching, counseling, and motivating clients for positive health maintenance. Establishment of interdisciplinary practice with other healthcare providers. This is a pass/fail course.

NU-624S Advanced Practice Nursing Seminar II: Adult Gerontology Credits: 1
Prerequisites: NU-621, NU-622S, and NU-622P.
Corequisites: NU-623 and NU-624P.
Term Offered: Spring Term
Course Type(s): None
Delivery of primary healthcare to adult/gerontological and adolescent clients with common health problems including collection of subjective and objective data using the techniques of interview and physical examination; deriving diagnoses; planning care for acute and chronic illness using community resources; use of communication for age-appropriate health teaching, counseling, and motivating clients for positive health maintenance. Establishment of collaborative role with other healthcare providers. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-631 Advanced Practice Nursing I: Family Credits: 3
Prerequisite: Nursing NU-521, NU-524, NU-535, NU-541, and NU-542.
Corequisites: NU-632P and NU-632S.
Term Offered: Fall Term
Course Type(s): None
Detailed case study analysis of common health problems of the adult and older adult including pathophysiology, epidemiology, strengths and weaknesses of assessment of data collection, diagnostic process, planning, intervention, and evaluation. Interview and physical examination techniques for collecting subjective and objective data in the primary-care and long-term care settings; deriving diagnoses; planning care for acute and chronic illness in culturally diverse populations utilizing community resources; using communication for health teaching and counseling and to motivate clients for positive health maintenance. Expansion of traditional nursing role to the advanced practice nurse (APN) role through the incorporation of evidence-based practice, personal knowledge, and ethics will be discussed. A process-driven course that will require extensive reading in the student's specialty area. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-632P Advanced Practice Nursing Practicum I: Family Credits: 3
Corequisites: NU-631 and NU-632S.
Term Offered: Fall Term
Course Type(s): None
Delivery of primary health care to the family unit with common health problems including collection of subjective and objective data using the techniques of interview and physical examination; deriving differential and final diagnoses; planning care for acute and chronic illness using community resources; use of communication for health teaching, counseling and motivating clients for positive health maintenance. Establishment of collaborative role with other healthcare providers. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course. This is a pass/fail course.

NU-632S Advanced Practice Nursing Seminar I: Family Credits: 1
Corequisites: NU-631 and NU-632P.
Term Offered: Fall Term
Course Type(s): None
Delivery of primary healthcare to adults and older adults with common health problems include collection of subjective and objective data using the techniques of interview and physical examination; deriving differential and final diagnoses; planning care for acute and chronic illness using community resources; use of communication for health teaching, counseling, and motivating clients for positive health maintenance. Establishment of collaborative role with other healthcare providers. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.
**NU-633  Advanced Practice Nursing II: Family**  
Prerequisite: NU-631.  
Corequisites: NU-634P and NU-634S.  
Term Offered: Spring Term  
Course Type(s): None  
Detailed case study analysis of health problems, including pathophysiology, epidemiology, strengths and weaknesses of assessment of data collection, diagnostic process, planning, intervention, and evaluation. Interview and physical examination techniques for collecting subjective and objective data in primary, acute and long-term care settings; deriving nursing diagnoses; planning care for acute and chronic illness in culturally diverse populations utilizing community resources; using communication for health teaching and counseling and to motivate clients for positive health maintenance. Expansion of traditional nursing role to the advanced practice nurse (APN) role through the incorporation of evidence-based practice, personal knowledge, and ethics. A process-driven course that will require extensive reading in the student's specialty area. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

**NU-634P  Advanced Practice Nursing Practicum II: Family**  
Prerequisites: NU-631, NU-632S and NU-632P.  
Corequisites: NU-633 and NU-634S.  
Term Offered: Spring Term  
Course Type(s): None  
Delivery of healthcare to the child, pregnant couple, and adults with complex health problems, including collection of subjective and objective data using the techniques of interview and physical examination; deriving nursing diagnoses; planning care for acute and chronic illness using community resources; use of communication for health teaching, counseling and motivating clients for positive health maintenance. Establishment of collaborative role with other health care providers. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course. This is a pass/fail course.

**NU-634S  Advanced Practice Nursing Seminar II: Family**  
Prerequisites: NU-631, NU-632S, and NU-632P.  
Corequisites: NU-633 and NU-634P.  
Term Offered: Spring Term  
Course Type(s): None  
Discussion of delivery of healthcare to the child, pregnant couple, and adults with complex health problems that include collection of subjective and objective data using the techniques of interview and physical examination; deriving nursing diagnoses; planning care for acute and chronic illness utilizing community resources; use of communication for health teaching, counseling, and motivating clients for positive health maintenance. Establishment of collaborative role with other healthcare providers. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

**NU-635  Advanced Practice Nursing Pediatrics**  
Corequisite: NU-635P.  
Term Offered: All Terms  
Course Type(s): None  
Detailed case study analysis of health problems including pathophysiology, epidemiology, strengths and weaknesses of assessment of data collection, diagnostic process, planning, intervention, and evaluation. Interview and physical examination techniques for collecting subjective and objective data in pediatric care, both acute and chronic illness in culturally diverse pediatric populations utilizing community resources; using communication for health teaching and counseling and to motivate clients for positive health maintenance. Expansion of traditional nursing role to the advanced practice nurse (APN) role through the incorporation of evidence-based practice, personal knowledge, and ethics. The course is process-driven and will require extensive reading in the student's specialty area. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

**NU-635P  Advanced Practice Nursing Pediatrics Practicum**  
Corequisite: NU-635.  
Term Offered: Summer Term  
Course Type(s): None  
Deliver primary care to pediatric clients with common health problems including collection of subjective and objective data using the techniques of interview and physical examination; diagnose and plan care for acute and chronic illness in culturally diverse pediatric populations utilizing community resources; use communication skills for health teaching and counseling and to motivate pediatric clients and their families for positive health maintenance. Expand the traditional nursing role to the advanced practice nurse (APN) role through the incorporation of evidence-based practice, personal knowledge, and ethics. Establish collaborative relationships with other health care providers for comprehensive care. This is a pass/fail course.

**NU-661  Nursing Administration I**  
Corequisites: NU-662P and NU-662S.  
Term Offered: Fall Term  
Course Type(s): None  
Students are socialized into the middle-level management and administration roles by examination of the administrative process in a variety of healthcare organizations. Students are expected to assess, plan, develop, evaluate, and refine their effectiveness as managers and leaders of nursing and patient care services. By synthesizing information from previous course work, management theories, and relevant research, students will be able to apply themselves to the management/administration roles. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Term Offered</th>
<th>Course Type(s): None</th>
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<tbody>
<tr>
<td>NU-662P</td>
<td>Nursing Administration I Practicum</td>
<td>2</td>
<td>普</td>
<td>NU-661 and NU-662S.</td>
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<td>Students observe and participate in the middle-level management/administrative process in a variety of healthcare organizations. For the required practicum, the student selects a nursing service compatible with the student's individual goals. Socialization into the middle management and administrative roles permits students to assess, plan, implement, and refine their skills as beginning practitioners as managers and leaders of nursing and patient care services. This is a pass/fail course.</td>
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<td>NU-662S</td>
<td>Nursing Administration I Seminar</td>
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<td>NU-661 and NU-662P.</td>
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<td>Students analyze the middle-level-management/administrative process in a variety of healthcare organizations. Socialization into the middle management and administrative roles permits students to assess, plan, implement, and refine their skills as beginning practitioners as managers and leaders of nursing and patient care services. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.</td>
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<td>NU-663</td>
<td>Nursing Administration II</td>
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<td>NU-661, NU-662S, and NU-662P.</td>
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<td>Spring Term</td>
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<td>Students are prepared to practice in the role of middle-level administration and nursing case manager. Students will build on the information obtained in Nursing Administration I. In addition, nurses will learn the role of the nursing case manager. Students learn how to provide quality healthcare along a continuum, decrease fragmentation of care across multiple settings, enhance the client’s quality of life, and address issues concerning cost containment. Communication and collaboration techniques are utilized to assess, plan, implement, coordinate, monitor and evaluate the options and services available to meet individual health needs. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.</td>
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<td>NU-664P</td>
<td>Nursing Administration II Practicum</td>
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<td>NU-661, NU-662S and NU-662P.</td>
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<td>Students observe and participate in the human resources and the nursing case management roles. Students build on the information obtained in Nursing Administration I. Students investigate the integration of the nursing administrator role and human resource elements and observe the relationship through direct observation of the HR staff and the Executive Team. This is a pass/fail course.</td>
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<tr>
<td>NU-664S</td>
<td>Nursing Administration II Seminar</td>
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<td>NU-661, NU-662S, and NU-662P.</td>
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<td>Students analyze the human resource role and the nursing case management role and their relationship to nursing administration. Students build on the information obtained in Nursing Administration Seminar I. Students assess, plan, and implement their effectiveness as administrative-level nursing personnel and delve into the knowledge required to comprehend the role of case management and human resources and their relation to nursing administration. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.</td>
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<td>NU-669</td>
<td>Psychiatric Mental Health Nursing I: Practice with Children and Adolescents</td>
<td>3</td>
<td>普</td>
<td>NU-521, NU-524, NU-535, NU-543, and NU-544.</td>
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<td>Students examine psychological theories, assessment techniques and psychopharmacologic interventions for working directly with children, adolescents, and their caretakers. Emphasizes evidence-based interventions that address diverse groups of children or adolescents within their social contexts (e.g., peer group, school, family, neighborhood). Special attention will be given to issues of diversity as it relates to building therapeutic relationships and intervening with children, adolescents and their families. Treatment planning and specific methodologies for working therapeutically with children and adolescents will be evaluated. In view of the reliance on direct practice experiences with children and adolescents, students will be placed in clinical sites concurrently with these courses (NU-670P and NU-670S). Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.</td>
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<tr>
<td>NU-670P</td>
<td>Psychiatric Mental Health Nurse Practitioner Nursing I: Practice with Children and Adolescents Practicum</td>
<td>2</td>
<td>普</td>
<td>NU-521, NU-524, NU-535, NU-543, and NU-544.</td>
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<td>Delivery of mental healthcare to children and adolescents with mental health problems including collection of subjective and objective data using the techniques of interview; deriving psychiatric diagnoses; deriving nursing diagnoses; planning care for acute and chronic mental health issues using community resources; use of interventions including short-term problem-focused psychotherapy, group therapy and psychopharmacologic modalities. Establishment of collaborative role with other healthcare providers. This is a pass/fail course.</td>
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NU-670S  Psychiatric Mental Health Nursing I: Practice with Children and Adolescents Seminar
Credits: 1
Prerequisites: NU-521, NU-524, NU-535, NU-543, and NU-544.
Corequisites: NU-669 and NU-670P.
Term Offered: All Terms
Course Type(s): None
Delivery of mental health care to children and adolescents with mental health problems including collection of subjective and objective data using the techniques of interview; deriving psychiatric diagnoses; deriving nursing diagnoses; planning care for acute and chronic mental health issues using community resources; use of interventions including short-term problem-focused psychotherapy, group therapy and psychopharmacologic modalities. Establishment of collaborative role with other healthcare providers. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-671  Advanced Practice Psychiatric/Mental Health Nursing II:
Psychopharmacology and Introduction to Therapy
Credits: 3
Prerequisites: NU-521, NU-535, NU-543 and NU-544.
Corequisites: NU-672P and NU-672S.
Term Offered: Spring Term
Course Type(s): None
Focuses on advanced knowledge of psychiatric/mental health nursing. Assessment, treatment planning and therapeutic interventions with individuals, families and groups will be introduced. Offers various treatment models including the classic schools and current developments in individuals, families and groups. Each therapeutic modality will be presented using key concepts, an explanation of the therapeutic process and application of techniques. In view of the reliance on direct practice experiences with individuals, families and groups, students will be placed in clinical sites concurrently with the courses NU-672P and NU-672S. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-672P  Advanced Practice Psychiatric/Mental Health Nursing Practicum II
Credits: 3
Corequisites: NU-671 and NU-672S.
Term Offered: Spring Term
Course Type(s): None
Delivery of mental health care to adults with mental health problems, including collection of subjective and objective data using the techniques of interview; deriving psychiatric diagnoses; deriving nursing diagnoses; planning care for acute and chronic mental health issues using community resources; use of interventions including short-term problem-focused psychotherapy, group therapy and psychopharmacologic modalities. Establishment of collaborative role with other healthcare providers. This is a pass/fail course. This is a pass/fail course. This is a pass/fail course.

NU-672S  Advanced Practice Psychiatric/Mental Health Nursing Seminar II
Credits: 1
Corequisites: NU-671 and NU-672P.
Term Offered: Spring Term
Course Type(s): None
Delivery of mental health care to adults with mental health problems, including collection of subjective and objective data using the techniques of interview; deriving psychiatric diagnoses; deriving nursing diagnoses; planning care for acute and chronic mental health issues using community resources; use of interventions including short-term problem-focused psychotherapy, group therapy and psychopharmacologic modalities. Establishment of collaborative role with other healthcare providers. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-673  Advanced Practice Psychiatric/ Mental Health Nursing III
Credits: 3
Prerequisites: NU-671, NU-672P and NU-672S.
Corequisites: NU-674P and NU-674S.
Term Offered: All Terms
Course Type(s): None
Builds upon the foundation course NU-671. As clinicians there is an ever-present need to interpret theory and engage in practice inclusively. Examines how clients' lives are affected by larger societal structures. This course will examine modalities and ways to intervene with clients with a true sensitivity and understanding of issues of race, culture, gender, religion and sexual orientation. Each therapeutic modality will be presented using key concepts, an explanation of the therapeutic process and application of techniques. In view of the reliance on direct practice experiences with individuals, families and groups, students will be placed in clinical sites concurrently with this course (NU-674P and NU-674S). Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

NU-674P  Advanced Practice Psychiatric/Mental Health Nursing Practicum III
Credits: 3
Prerequisites: NU-671, NU-672P and NU-672S.
Corequisites: NU-673 and NU-674S.
Term Offered: Fall Term
Course Type(s): None
A continuation of NU-672P: Delivery of mental health care to adults with mental health problems, including collection of subjective and objective data using the techniques of interview; deriving psychiatric diagnoses; deriving nursing diagnoses; planning care for acute and chronic mental health issues using community resources; use of interventions including short term, problem-focused psychotherapy, group therapy and psychopharmacologic modalities. Establishment of collaborative role with other healthcare providers. This is a pass/fail course.
<table>
<thead>
<tr>
<th>Course Code</th>
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<th>Corequisites/Prerequisites</th>
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<td>Epidemiology and Genetics/Genomics</td>
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<td>Health Promotion in Diverse Populations</td>
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<td>Interprofessional Collaboration and Team Facilitation</td>
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Course Type(s): OL

Term Offered: All Terms

Course Type(s): OL

Term Offered: All Terms

Course Type(s): None

A continuation of NU-672S. Delivery of mental health care to adults with mental health problems, including collection of subjective and objective data using the techniques of interview; deriving psychiatric diagnoses; deriving nursing diagnoses; planning care for acute and chronic mental health issues using community resources, use of interventions including short-term, problem-focused psychotherapy, group therapy and psychopharmacologic modalities. Establishment of collaborative role with other healthcare providers. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course.

Independent study (theory and/or practica) in a specialized area of interest to the student. Weekly consultations with supervising faculty member.

Components central to the concept of evidence-based practice are introduced and emphasis is placed on evaluating systematically, research and evidence from multiple sources. Critical appraisal of evidence utilizing clinical informatics, databases, multidisciplinary best practices, and systematic reviews of randomized clinical trials will be included in an approach to a clinical question or problem for a practice change. Strategies for creating a culture of evidence-based practice for individuals and clinical systems will be explored. Tools for diffusing the change or innovation are included. The concept of translational science will prepare students to begin formulation of a capstone project. Students must earn a grade of "B" or higher in this course or it will have to be repeated.

Examines the influence of culture on nursing care delivery. Explores the DNP’s role in providing culturally appropriate care for increasingly diverse populations. The focus of the course is on global health issues, factors affecting health, disparities in healthcare and infrastructure of populations. Students will utilize evidence-based research to analyze various social, cultural, and economic factors that impact health, illness and the perceptions/behaviors of diverse ethnic and minority groups as they relate to health promotion. Content includes an examination of social, psychological, and cultural theories, a review of current research about health and illness beliefs/behaviors, and the development of health promotion strategies to improve care provided to individuals, aggregates and populations. Students must earn a grade of "B" or higher in this course or it will have to be repeated.

Explores the key features of epidemiological and genetic concepts and theories in relation to populations. Epidemiological principles will be examined in relation to public health issues to plan and evaluate strategies to prevent illness and study diseases. Exploration of the risks health care personnel deal with: environmental catastrophes, (chemical, biological, and radiation), nuclear attacks, disease outbreaks and global conflicts. Investigation into local, regional, national and international databases regarding health disparities, disease entities, genetic problems, global threats and the response preparedness and effectiveness of various agencies and governments. The student will identify risk factors for genetic disease and explore the influence of genetics and genomics on human diseases as they relate to the ethical, legal and financial responsibilities of the advanced practice nurse. Students must earn a grade of "B" or higher in this course, or it will have to be repeated.

Examines advanced communication skills and other behaviors that provide the knowledge and skills needed for exemplary leadership, with an emphasis on relationships and team building. Leadership and communication strategies that help move professionals multidisciplinary groups toward common goals and objectives will be examined. DNP students only.

The practice immersion experience facilitates advanced nursing practice by allowing the student to demonstrate and integrate their knowledge of upper level management processes in a health care organization by considering advanced communication skills and other behaviors that provide the knowledge and skills needed for exemplary leadership, with an emphasis on relationship development, effective meeting management, team building, and resolution of complex situations. This is a pass/fail course.

Examines organizational systems and processes that emphasize the demand for clinical practice leadership, improvement of health outcomes and ensured patient safety. Students are provided the tools to develop expertise in assessing the vision, mission and organizational strategic plans. Emphasis is placed on executive decision making, leading change efforts, and instituting innovative methodologies for system improvement. Organizational behaviors directed towards quality improvement, negotiation, conflict resolution, performance evaluation and ethical conduct in a business environment. Enhances the student’s ability to use power and influence to achieve goals, build teams and alliances, establish strong communication channels, and empower others. Students must earn a grade of "B" or higher in this course or it will have to be repeated.
NU-716 Health Care Policy for Advocacy in Health Care Credits: 3
Term Offered: Spring Term
Course Type(s): OL
Examines healthcare economics, political and public health issues, and their relation to development and implementation of health policies at regional, national and international levels. Health policy influences multiple care delivery issues, including health disparities, underserved populations, cultural sensitivity, ethics, law, health care financing, and issues of equity and social justice in the delivery of healthcare. The DNP role will be discussed in the creation of such policies. Students must earn a grade of "B" or higher in this course or it will have to be repeated.

NU-718 Health Care Economics and Financial Management Credits: 3
Term Offered: All Terms
Course Type(s): OL
Provides an in-depth exploration of economics and finance, budget, reimbursement mechanisms and innovative business models for health care organizations and practice settings. Students will have an opportunity to develop and review business plans and to evaluate cost-benefit analyses as they relate to the DNP role. The practical application of management of financial resources, tools for decision making and communication strategies will be integrated. Students must earn a grade of "B" or higher in this course or it will have to be repeated.

NU-720 Research Methods in Healthcare Leadership Credits: 3
Term Offered: Spring Term
Course Type(s): OL
Focus is on the critical analysis of the research process. There is an emphasis on the data collection and data analysis steps of research. Skills are developed in the use of the SPSS statistical program and the interpretation of descriptive and inferential statistics for outcome evaluation in healthcare. Interpretation and evaluation of statistical analysis in published research are emphasized. Skills are refined in the dissemination of research to healthcare professionals. DNP students only.

NU-730 Doctor Nursing Practice Project I Credits: 3
Prerequisites: NU-701, NU-702, NU-703, NU-715, NU-716, and NU-720, all passed with a grade of B or higher.
Term Offered: All Terms
Course Type(s): OL
The DNP project culminates in a practice immersion experience that affords the student the opportunity to integrate and synthesize information from a variety of areas and previous course work to exhibit mastery of an advanced specialty within nursing practice. Students will demonstrate synthesis of the DNP education and advanced nursing practice specialty which focuses on change that impacts healthcare outcomes either through direct or indirect care. Students will share their journey toward developing the DNP project through class discussion using a variety of communication modalities. In consultation with the DNP Project Advisor, students will select an area of specialty practice and propose a project. The end result will be a proposed project based on the principles of evidence-based practice that incorporates planning, implementation, evaluation and dissemination concepts. This will provide a foundation for continued scholarship while making significant contributions in the student’s area of interest. Students must earn a grade of B or higher in this course or it will have to be repeated.

NU-731 Leadership Immersion II Credits: 3
Prerequisites: NU-701, NU-702, NU-703, NU-705, NU-715, and NU-716, all passed with a grade of B or higher and NU-706 passed with a grade of P.
Term Offered: All Terms
Course Type(s): OL
Immersion into the leadership role provides the student an opportunity to expand their leadership skillset and apply, integrate, and synthesize the DNP Essentials through a collaborative partnership between the university and approved practice partners. The student will develop specific learning objectives related to the DNP Essentials, application of theory, and role requirements jointly with the assigned professor to develop their nursing specialty expertise. This course is individualized to each student's specific area of practice interest. This experience should provide opportunities to work with experts including interdisciplinary to build and assimilate knowledge for advanced nursing practice at the highest level of complexity. DNP Essentials guideline state that graduates should have 1000 hours of combines clinical and experience through the MSN and DNP studies. It is expected that all students in the DNP program complete 500 hours in addition to the 500 hours previously completed in their master's level program or if additional hours are required to meet their advisor to construct a plan. This is a pass/fail course.

NU-732 Doctor Nursing Practice Project II Credits: 3
Prerequisite: NU-730 passed with a grade of B or higher.
Term Offered: All Terms
Course Type(s): OL
DNP Project II builds on the content and processes developed in the DNP Project I towards implementation. Students will share their journey of implementation and evaluation of the DNP project through class discussion using a variety of communication modalities. In consultation with the DNP Project Advisor students will implement and evaluate the project. This course is a continuation of DNP Project I. Students will continue to integrate and apply information from a variety of areas to demonstrate expertise in an advanced specialty within nursing practice. Students will continue to demonstrate synthesis of the DNP education and advanced nursing practice specialty which focuses on change that impacts healthcare outcomes either through direct or indirect care. The end result will be an executed project based on the principles of evidence-based practice that incorporates planning, implementation, evaluation, and dissemination concepts. Students must earn a grade of B or higher in this course or it will have to be repeated.

NU-733 Leadership Immersion III Credits: 3
Prerequisite: NU-731 passed with a grade of P.
Term Offered: All Terms
Course Type(s): OL
Continuation of the practice immersion experience provides the student with additional opportunities to apply, integrate, and synthesize the DNP Essentials. The student will again develop specific learning objectives related to the DNP Essentials, application of theory, and role requirements jointly with the assigned professor to develop their nursing specialty expertise. This course is individualized to each student's specific area of practice interest. This experience should provide opportunities to work with experts including interdisciplinary to build and assimilate knowledge for advanced nursing practice at the highest level of complexity. DNP Essentials guideline state that graduates should have 1000 hours of combined clinical and experience through the MSN and DNP studies. It is expected that all students in the DNP program complete 500 hours in addition to the 500 hours previously completed in their master's level program or if additional hours are required to meet with their advisor to construct a plan. This is a pass/fail course.
NU-762 Tests and Measures
Course Type(s): OL
Credits: 3
Term Offered: All Terms
Considers evaluation methods related to norm-referenced and criterion-referenced evaluation methods in education. Students will investigate criteria used to develop reliable and valid evaluation measures. Current issues and research related to educational testing instruments, alternatives to standardized evaluation methods, and outcome measurement in education will be discussed. Students will explore measurement theory and evaluate measures that are used to identify cognitive, affective, and psychomotor domains as they relate to education. Students must earn a minimum of a B in the course. Students who receive less than a B will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a B will make students ineligible to continue in programs requiring this course. Also listed as NU-562. Students who have taken NU-762 are not eligible to take NU-562.

NU-764 Curriculum Development and Instruction in Nursing
Course Type(s): OL
Credits: 3
Term Offered: Fall Term
The primary focus of this course is the process of curriculum development in nursing. Factors influencing curriculum development, the process of curriculum development and evaluation methods are emphasized. Instruction and evaluation in didactic nursing courses and clinical experiences are addressed. Individuals completing this course will be prepared for the role of nurse educator in academic settings. Students must earn a minimum of a "B" in the course. Students who receive less than a "B" will be required to repeat the course. Students will be allowed to repeat the course no more than once. A second grade below a "B" will make students ineligible to continue in programs requiring this course. Also listed as NU-564. Students who have taken NU-764 are not eligible to take NU-564.

NU-766P Nurse Educator Practicum I
Corequisite: NU-766S.
Course Type(s): OL
Credits: 2
Term Offered: Fall Term
Provides an opportunity for the student to practice in the role of the novice academic nurse educator in diverse settings. Students apply teaching and learning principles in both academic and clinical settings under the guidance of a preceptor. Through reflection and sharing, students refine their practice and explore the eight core competencies outlined by the National League for Nursing. This is a pass/fail course. Ninety practicum hours required. Also listed as NU-566P. Students who have taken NU-766P are not eligible to take NU-566P.

NU-766S Nurse Educator Seminar I
Corequisite: NU-766P.
Course Type(s): None
Credits: 1
Term Offered: Fall Term
Through discussion and sharing, students refine their educational practice and identify the tasks associated with the eight core competencies of the academic nurse educator outlined by the National League for Nursing. Also listed as NU-566S. Students who have taken NU-766S are not eligible to take NU-566S.

NU-767P Nurse Educator Practicum II
Corequisite: NU-767S.
Course Type(s): None
Credits: 2
Term Offered: Spring Term
Provides additional opportunities for the student to function in the role of the novice academic nurse educator in diverse settings. Students continue to apply teaching and learning principles in both academic and clinical settings under the guidance of a preceptor during an additional 90 hours of practicum experiences. Through continued reflection and sharing, students refine their practice and explore the eight core competencies outlined by the National League for Nursing. This is a pass/fail course. Ninety practicum hours required. Also listed as NU-567P. Students who have taken NU-767P are not eligible to take NU-567P.

NU-767S Nurse Educator Seminar II
Corequisite: NU-767P.
Course Type(s): None
Credits: 1
Term Offered: Spring Term
Through further discussion, and sharing, students refine their practice and identify the tasks associated with the eight core competencies of the academic nurse educator outlined by the National League for Nursing. Also listed as NU-567S. Students who have take NU-767S are not eligible to take NU-567S.

NU-799 Independent Study in Nursing (doctorate Level)
Course Type(s): None
Credits: 1-3
Term Offered: Spring Term
Independent study (theory and/or practica) in a specialized area of interest to the student. Weekly consultations with supervising faculty member. Course can be graded (theory) or pass/fail (practica).

PHA-601 Human Anatomy
Course Type(s): None
Credits: 5
Term Offered: Fall Term
Anatomy is a central focus of basic science education. During this course the student is introduced to gross anatomy presented by the regional approach. The student becomes familiar with the back, chest, upper extremity, abdomen, pelvis, lower extremity, neck, head, the central nervous system, and internal viscera. Instruction is primarily in lecture and lab format. However, atlases, computer programs, and other visual aids are available. Student performance is evaluated in both written and practical examinations.

PHA-602 Human Physiology
Course Type(s): None
Credits: 3
Term Offered: Fall Term
Provides a basic understanding of human physiology while covering the processes of how the body functions. This lecture-based class will lead to an understanding of how the body responds to stimuli and how it maintains homeostasis while exposed to a varying environment.

PHA-603 Introduction to Patient Assessment
Course Type(s): None
Credits: 5
Term Offered: Fall Term
Students will be introduced to basic history taking and physical examination techniques, psychosocial development and behavior, and the effective relationship between the physician assistant, other health professionals, and the patient. Techniques of physical examination and use of examining equipment are introduced. Students are assigned to preceptors for the purpose of taking complete histories and performing a complete physical examination on patients.
PHA-604  Behavioral Medicine  
Term Offered: Fall Term  
Course Type(s): None  
Provides an overview of psychiatric concepts and an introductory approach to the evaluation of patients with behavioral issues. Includes a discussion of various psychiatric syndromes, with a review of causal factors and clinical presentation. Provides an overview of normal human behavior development over the life span. The impact that psychological problems have on the total health care of the patient will be emphasized.

PHA-605  Health Promotion  
Term Offered: Fall Term  
Course Type(s): None  
Designed to prepare students to provide healthcare and patient education using a patient-centered approach. Students will receive in-depth instruction in the principles of the patient-provider relationship, disease and the illness experience, health promotion and disease prevention. Includes an overview of basic nutrition standards and guidelines, fundamentals of nutrition assessment, and nutrition throughout the life cycle.

PHA-606  Physical Diagnosis  
Term Offered: Spring Term  
Course Type(s): None  
Continuation on the focus of Introduction to Patient Assessment on developing physical examination skills and the process of clinical data collection. Introduces the process of clinical reasoning and decision making. Attention will be provided to the recognition and appropriate description of common abnormal physical findings. Emphasis will be placed on the analysis and interpretation of clinical data that occurs during the process of formulating a differential diagnosis.

PHA-607  Diagnostic and Clinical Procedures  
Term Offered: Spring Term  
Course Type(s): None  
Instruction in interpretation of and indications for clinical laboratory tests, electrocardiography, and diagnostic radiography. Identification and understanding of normal and abnormal results, and correlation with medical cases will be emphasized. The final exam emphasizes critical thinking with case-based analysis.

PHA-608  Pharmacology for Physician Assistants  
Corequisite: PHA-609.  
Term Offered: Spring Term  
Course Type(s): None  
Covers the most common classes of medications and their use in a variety of medical conditions. The primary focus of this course is the mechanism of actions of these drug classes and a description of different types of drug-receptor interactions. This basic pharmacology course allows the physician assistant student to better understand the clinical use of drugs covered in Clinical Therapeutics (PHA-609).

PHA-609  Clinical Therapeutics  
Corequisite: PHA-608.  
Term Offered: Spring Term  
Course Type(s): None  
Designed to demonstrate the practical application of pharmaceutical science as utilized for the formulation of drug therapy decisions.

PHA-610  Pathophysiology  
Term Offered: Spring Term  
Course Type(s): None  
Focuses on the fundamentals of the pathologic changes that occur in different organs of the body. Gross and microscopic specimens are used to provide a clear understanding of the disease processes that affect the human body. Conducted as a lecture series that is supplemented by readings, lecture notes that will be emailed to the student, and a review of pathologic slides and specimens when appropriate. Provides an understanding of the pathologic process that leads to clinical signs and symptoms of diseases.

PHA-611  Neuroscience  
Term Offered: Spring Term  
Course Type(s): None  
Covers the basic structure, organization, and function of the central nervous system (CNS). Lectures and laboratories focus on understanding localization of function within specific structures and pathways of the brain and spinal cord, and typical syndromes associated with vascular accidents, trauma or diseases of the various parts of the CNS. Neuroscience is a foundational course addressing basic anatomy and physiology of the nervous system. Neuroscience incorporates the view that individuals actively use their bodies in typical and adaptive strategies to achieve mastery in life roles. Behaviors are learned and generated through normal functioning of the nervous system. With damage to the central nervous system, behavior and therefore function is altered. The central nervous system has the capacity to adapt or compensate behaviorally. Prepares students in programs of occupational therapy, physical therapy and physician assistant with knowledge about normal function, the effects of damage, and neural plasticity in preparation for clinical intervention.

PHA-612  Introduction to the Physician Assistant Profession  
Term Offered: Fall Term  
Course Type(s): None  
Introduces the student to the physician assistant profession and professional practice issues. Includes the history of the Physician Assistant profession, significance of the PA-physician team, professional organizations, professionalism, and professional development.

PHA-621  Topics in Medicine and Surgery  
Corequisite: PHA-622.  
Term Offered: Fall Term  
Course Type(s): None  
Instructs students in the various disease entities in preparation for clinical internships. Students will develop their knowledge base in the etiology, clinical presentation, differential diagnoses, and therapeutic approach to disease processes. This course is composed of a series of lectures provided by primary care practitioners and specialists. Topics covered include a full-range of adult and pediatric health problems. An introduction to the fields of Obstetrics/Gynecology, Ophthalmology, and Surgery is included. Attention is focused on data collection, problem solving, clinical decision making, and the importance of incorporating patient education and preventive counseling in the clinical encounter.
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<tr>
<th>Course Code</th>
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<td>PHA-625</td>
<td>Research Methods I</td>
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**Course Description**

**PHA-622 Clinical Management**
- Corequisite: PHA-621.
- Term Offered: Fall Term
- Course Type(s): None
- Using literature searches, critical analysis, and newly acquired medical information students study various clinical patient scenarios and apply basic medical knowledge in an effort to evaluate and recommend appropriate treatment. Students will employ all the tools acquired in previous courses to analyze these scenarios to develop realistic diagnoses, problem lists, and plans incorporating the proper ancillary clinical and diagnostic methods appropriate for supporting the diagnosis. The student will also be required to recommend therapeutic measures as deemed necessary. This is the first student effort to organize all of the knowledge gained to date and to exercise this knowledge in true patient management.

**PHA-625 Research Methods I**
- Term Offered: Spring Term
- Course Type(s): None
- An exploration in the fundamental concepts of research in the health sciences. Problem finding, formulation of a research question, research methodology, design, and data collection and interpretation will be addressed. Ethical considerations in research will be discussed. Published research articles will be critically analyzed. At the conclusion of the course, the students will have developed the framework of an original study, which will be further developed in PHA-626.

**PHA-626 Biostatistics for Physician Assistant's Research**
- Term Offered: Spring Term
- Course Type(s): None
- The goal of this course is to enhance each student's understanding and effective use of the techniques used to describe and analyze data in health sciences. The intention is not to produce the sophistication in statistics, computer programming, or psychomotor application needed to develop and carry out major research projects. Rather, it is an introductory-level course with the objective of developing students' competence in the application of the basic statistical techniques used to explore, describe, and analyze information for research or evaluation purposes.

**PHA-632 Biomedical Ethics**
- Term Offered: Fall Term
- Course Type(s): None
- The application of human and professional values, judgments, and choices to selective ethical dilemmas that arise in clinical practice. Traditional and contemporary approaches to resolving professional dilemmas will be discussed as well as ethics related to the delivery of healthcare.

**PHA-633 Epidemiology for Physician Assistants**
- Term Offered: Fall Term
- Course Type(s): None
- Provides a basic understanding of the epidemiologic method of identifying disease-causing agents. Emphasizes the generation of hypotheses based on descriptive epidemiologic data, the testing of hypotheses by analytical epidemiologic research, the determination of causality, and the value of epidemiologic research in developing disease-prevention programs.
PHA-653  Clinical Clerkships III  Credits: 10
Term Offered: Fall Term
Course Type(s): None
Clinical Clerkship year 3 is the third clinical clerkship providing the physician assistant student with the real-time patient/clinician exposures across required core and elective clinical experiences. In all experiences the student will be a member of either a healthcare delivery team and/or paired with a licensed practitioner in each medical discipline or service. Students are at all times held to the highest standards of professionalism and personal integrity.

PHA-654  Clinical Clerkships IV  Credits: 12
Term Offered: Spring Term
Course Type(s): None
Clinical Clerkship year 4 is the fourth clinical clerkship providing the physician assistant student with the real-time patient/clinician exposures across required core and elective clinical experiences. In all experiences the student will be a member of either a healthcare delivery team and/or paired with a licensed practitioner in each medical discipline or service. Students are at all times held to the highest standards of professionalism and personal integrity.