

# School of Nursing

UMKC 2007-08 Graduate and Professional Catalog (1.0)

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# School of Nursing

Health Sciences Building  
Hospital Hill Campus  
2464 Charlotte Street  
(816) 235-1700  
Fax: (816) 235-1701  
nurses@umkc.edu  
<http://www.umkc.edu/nursing>

## Mailing Address

University of Missouri-Kansas City  
School of Nursing  
2464 Charlotte Street  
Kansas City, MO 64108

## Dean:

Lora Lacey-Haun

## Associate Dean for Academic Programs:

Thad Wilson

## Associate Dean for Scholarship and Community Partnerships:

Katharine Smith

## History

In 1973-74, a graduate nursing program was started under the aegis of the School of Graduate Studies. On Nov. 16, 1979, the Board of Curators approved a proposal to establish a school of nursing at the University of Missouri-Kansas City. In 1981, following a developmental period, two new curricula were implemented. These were an upper-division baccalaureate degree for registered nurses and a master's degree program. In 1992, the Board of Curators approved the offering of an inter-campus, cooperative doctoral program in nursing (Ph.D. N.D.). The doctoral curricula was implemented on the Kansas City campus in the fall semester of 1995. In 2000, the Board of Curators approved the offering of a pre-licensure baccalaureate degree program beginning in the fall semester of 2001.

## Accreditation

The Bachelor of Science in Nursing (B.S.N.) and Master of Science in Nursing (M.S.N.) programs are accredited by the Commission on Collegiate Nursing Education (CCNE).

## Facilities

The University of Missouri-Kansas City has extensive educational facilities on the Volker campus combined with the health care educational facilities and main office on the Hospital Hill campus. These include libraries, resource centers, audiovisual resources, data processing and science information specialists. The affiliated clinical facilities include Truman Medical Center, Children's Mercy Hospital and nearly 100 community-wide facilities in the Kansas City metro area.

## Admissions

The Office of Admissions is located in

Administrative Center, Room 120  
5115 Oak St.

Applicants should complete the regular UMKC application for admission, as well as a supplemental application to the School of Nursing.

Applications and transcripts should be mailed to

## Mailing Address

University of Missouri-Kansas City  
UMKC Office of Admissions  
120 Administrative Center  
5100 Rockhill Road  
Kansas City, MO 64110-2499

The School recommends that applicants who wish to be enrolled for the summer or fall semesters apply for admission and have all application materials sent by Feb. 1. Applicants who wish to enroll for the spring semester should have all application materials sent by Sept. 1. Applications received after that date may or may not be reviewed depending on available space. Nurse practitioner and clinical nurse specialist applicants (with the exception of the pediatric nurse practitioner program option) wanting full-time study must begin in a summer semester. Once admitted, all official University communication is conducted via UMKC e-mail.

## Financial Assistance

The School of Nursing offers a range of scholarships, traineeships and other funds for both full- and part-time graduate and undergraduate nursing students. Students who complete the Free Application for Federal Student Aid (FAFSA) are eligible for the following:

- Helen Blond Scholarship
- Laura Larkin Dexter Scholarship
- Hedgepeth Scholarship
- John S. Waggoner Memorial Nursing Scholarship
- DHHS Public Health Service Professional Nurse Traineeship (when available)

Other funds may be available for students demonstrating financial need. Applications for nursing scholarships are considered after submission of the FAFSA. Further information about applications and qualifications for any of these funds may be obtained from the School of Nursing Student Services Office, room 123, 2220 Holmes, Kansas City, MO 64108-2639.

## International Students

The School of Nursing coordinates recruitment, retention and continuing advisement for nursing students from abroad in cooperation with the University's Office of International Student Affairs. In addition to the English proficiency examination (TOEFL), all graduates of foreign schools of nursing must complete the Commission on Graduates of Foreign Nursing Schools (CGFNS) qualifying examinations which will enable them to take the National Council Licensure Examinations (NCLEX) for licensure as a registered nurse in Missouri. Students applying to the NNP program may be qualifying to sit for licensure in any of the continental United States. In addition to sending all official transcripts to the UMKC Office of International Student Affairs, transcripts must also be sent to CGFNS for their evaluation of degree equivalency. The Web address for CGFNS is <http://www.cgfns.org/default.shtml>. Information about specific requirements for admission and progression may be obtained from the School of Nursing Student Services Office. The School of Nursing retains the right to assess the level of current clinical skills prior to enrollment in clinical coursework.

## Organizations

### Student Nurses Organization

Membership in the Student Nurses Association (SNA) is automatic for all students admitted and enrolled in the School of Nursing. Officers and representatives to the school's standing committees are elected annually. Council meetings and special events are held periodically throughout the academic year.

### Sigma Theta Tau International, Lambda Phi Chapter

This international nursing honor organization is designed to recognize and encourage superior scholarship and leadership achievements in nursing. Students are eligible for consideration as senior undergraduate students and as

continuing graduate students. Membership, based on scholarship, is by invitation only. The induction of new members is held each spring.

### **Nursing Alumni Association**

All students at the School of Nursing qualify for membership in the Nursing Alumni Association. Objectives of the alumni association are to provide mentoring to the student body and garner support for the school. Meetings are held periodically and officers are elected each spring by the Nursing Alumni Board.

### **Program Changes**

The School of Nursing reserves the right to make changes in courses, degree requirements and course schedules without notice.

## **Master of Science in Nursing (M.S.N.)**

The School of Nursing offers nine program options leading to the master of science in nursing degree. Graduate education in nursing opens doors of opportunity in new and expanding fields of health care. A master's degree forms the basis for advanced nursing practice, continued professional development and further graduate study. The nurse specialist is an expert in a discrete area of nursing practice. Students are admitted to one of the following program options provided a cohort group is available:

- Adult Clinical Nurse Specialist (42 credit hours)
- Adult Nurse Practitioner (42 credit hours)\*
- Family Nurse Practitioner (42 credit hours)\*
- Neonatal Nurse Practitioner (43 credit hours)
- Nurse Executive (37 credit hours)
- Nurse Educator (38 credit hours)
- Nurse Midwifery (47 credit hours)\*\*
- Pediatric Nurse Practitioner (42 credit hours)
- Women's Health Nurse Practitioner (42 credit hours)

\* Students in this program must submit copies of their RN licenses for both Missouri and Kansas during clinical coursework.

\*\* Offered in cooperation with the University of Kansas School of Nursing.

### **Admission Criteria**

Each applicant must meet the following criteria for admission:

- B.S.N. from a NLNAC or CCNE accredited college/university-based program or from a B.S.N. program comparable to the UMKC School of Nursing B.S.N. program.
- Current licensure as a registered nurse in the United States and eligibility for licensure in Missouri. If applying to the adult or family nurse practitioner program option, must be eligible for licensure in both Missouri and Kansas.
- Minimum cumulative 3.2 GPA (4.0 scale).
- Pediatric Nurse Practitioner applicants must have at least one year of full-time equivalent clinical practice in the area of clinical specialization within the three years prior to admission to the graduate program to be eligible to be admitted in the specified program option.
- Neonatal nurse practitioner applicants are required to have the equivalent of two years full-time recent (within the past five years) RN practice experience in the area of the critically ill newborn infants (a minimum of one year in Level III NICU) prior to beginning the clinical courses. Neonatal Resuscitation Program (NRP) certification is required. Students must reside in the continental United States or Canada.
- Completion of supplemental admission requirements.

## **Student Learning Outcomes**

**Graduates of the M.S.N. Program will be prepared to:**

1. Demonstrate advanced knowledge, values and skills in a selected area of nursing.
2. Demonstrate advanced knowledge, collaboration values and skills in a selected functional role.
3. Apply the process of systematic inquiry (research) to validate and expand nursing practice.
4. Integrate theory and research into advanced nursing practice.

### **M.S.N. Degree Requirements**

Required courses vary for each program option and are available upon request in the Nursing Student Services Office. Students have the option to attend full-time or part-time. Nurse practitioner and clinical nurse specialist students choosing to attend full-time must begin in a summer semester. The exception to this are the pediatric nurse practitioner students who begin full-time study in the fall semester.

### **UMKC Graduate Outreach Program**

#### **Program and Distant Site Programs**

The University of Missouri-Kansas City School of Nursing offers outreach education to St. Joseph, Mo., and Joplin, Mo. Using a combination of distance education technology and on-site teaching, students are able to complete the master's family nurse practitioner program at the outreach site. Students desiring another clinical area of study may complete core coursework at the outreach site, but will be required to come to Kansas City for their clinical or program specific coursework.

### **M.S.N. Academic Regulations**

#### **Academic Progression**

Students in the M.S.N. degree program are governed by the policies of the General Graduate Academic Regulations and Information contained in this catalog. Relevant policies include: Graduate Probation Policy; Continuous Enrollment Policy; Ineligibility for Further Graduate Study; Policy on Repeated Graduate Credit Courses and Minimum Regulations Governing Master's Degrees and Time Limit on Degree Credit. In addition, students must adhere to policies of the School of Nursing, including Academic Progression-M.S.N., which outlines the procedure to be followed when students receive a grade of less than 3.0 in their nursing courses.

#### **Advisement Policy**

Each student is assigned a faculty mentor upon entry to the School of Nursing, whose role is to advise on professional matters. If a student is experiencing difficulty in academic, financial or professional matters, the faculty mentor is also available to assist the student.

## **Ph.D. in Nursing**

### **The Program**

Development of the overall program was guided by the American Association of Colleges of Nursing (AACN) Quality Indicators for Doctoral Education. Students identify one of the three substantive areas:

- Health Promotion and Protection
- Health Restoration and Support
- Health Care Systems

that best supports their research area and undertake coursework accordingly. In addition, students take 12 credit hours of coursework in a collateral field of study (i.e., outside the School of Nursing) that supports their research interests. Throughout the curriculum, students are expected to engage in

a number of scholarly activities, such as grant writing, research presentations and manuscript submissions. Students may be admitted to the program either post-BSN or post-MSN, and progress through the program on either a full-time or part-time basis.

Doctoral education is predicated on a strong mentoring relationship between students and faculty throughout the curriculum. Students work with a faculty mentor/adviser throughout the program and together they establish a Supervisory Committee which formally approves students individual programs of study, is responsible for their comprehensive examination and generally transitions into their Dissertation Committee. The expertise and guidance of this Committee is essential to students doctoral education.

### The Program Objectives

The nurse scholars prepared in this program will:

- Serve as leaders in nursing and health care.
- Function as nurse scientists to advance the body of knowledge that guides the practice of nursing and contributes to interdisciplinary knowledge.

### Admission Requirements

Students may apply to the program as either post-B.S.N. or post-M.S.N. students. Applicants will be evaluated for doctoral nursing studies according to the following criteria:

- Grade-point average.
- Graduate Record Examination.
- Three letters of reference.
- Interview and original essay by invitation.

## Graduate Academic Regulations - All Programs

Nursing students are expected to be familiar with the policies and procedures specific to their level of study and to review these each semester for updates and changes. These can be found in the UMKC General Catalog and in the School of Nursing's Policies and Procedures manual, which can be found at the "Policies" link on the School's home page (<http://www.umkc.edu/nursing>).

### Academic Dishonesty

Students in the School of Nursing abide by the University of Missouri Student Conduct Code (listed in the appendices of this catalog).

### Immunization/Confidentiality/AIDS Policy

Prior to enrollment in coursework, all students must submit a copy of their nursing license. RN state licensure(s) must not have any sanctions or revocations upon admission or during program tenure. Any infractions will result in immediate dismissal from the program. In addition, **all students** must sign the "Personal Responsibility Statement" which attests to the student's understanding of the general catalog, program guides, policies and maintaining confidentiality during clinical rotations. It also verifies their understanding and knowledge of the UMKC AIDS policy and Center for Disease Control Universal Precautions for the prevention or the transmission of AIDS and other infectious diseases in client care.

Prior to enrollment in a clinical course, students must submit:

- Written documentation of a TB skin test within the last 12 months.
- MMR or titer showing immunity.
- Tetanus/diphtheria within the last 10 years.
- Completion of the Hepatitis B series.

- A current Basic Cardiac Life Support Certification card (or Neonatal Resuscitation Program Certification card).
- A criminal background check.
- A possible drug screen.
- Other documentation as required by the clinical agency.

Additionally, students in the adult or family nurse practitioner programs must submit copies of both their Missouri and Kansas RN licenses.

Failure to submit this information will result in the student's inability to enroll in clinical courses (or removal from a clinical course), which could jeopardize completion of the student's program of study as planned. Graduate students must also be able to meet minimum expectations for performance in clinical coursework and professional nursing.

### Leave of Absence

Under specific circumstances, students may be granted a leave of absence for one semester. A request for a leave of absence should be submitted to the appropriate Nursing Program Committee no later than two weeks prior to the beginning of the semester for which the leave is requested. In the event of unexpected emergencies, students may petition the appropriate Nursing Program Committee for a leave of absence within the semester in which the coursework is to be dropped. Petition forms can be obtained from the Nursing Student Services Office.

Students who have been granted a leave of absence must submit a Request to Re-Enroll Form. Enrollment in clinical courses may be affected and may extend the student's matriculation. If the leave occurs during the clinical sequence, students are responsible to re-enter clinical coursework at the same level of competency as their peers who were not on leave.

Students who do not maintain continuous enrollment (exclusive of summer sessions) will be required to complete an application for re-admission to the University and the School of Nursing and are liable for any intervening curriculum changes.

This leave of absence provision does not apply to graduate students who have completed all courses on their planned program of study. These students must follow the General Graduate Academic Regulations for "Continuous Graduate Enrollment Requirement" and "Continuous Graduate Enrollment (5899).

## School of Nursing Courses

**5515NA Role Of The Nurse Administrator (3).** This course builds upon the fundamentals of advanced practice nursing by focusing on the subrole of the nurse administrator. Content focuses on essential knowledge for today's senior and executive level manager in health care. Core content are principles of administration, resource management, managed care, budgeting, marketing, health care delivery system evaluation, and utilization of theory and research. This course consists of three hours of lecture/discussion per week. Due to the experiential learning activity associated with time spent with a nurse leader this class meets every OTHER week. Prerequisite: Admission to the MSN program or permission of instructor.

**5515NE The Role Of The Nurse Educator (2).** This course will explore the role of the nurse educator. Emphasis will be the development and evaluation of the nurse educator in the functional areas of community education, staff education, and academic education. In each of these areas topics such as role transition, productivity, job duties/responsibilities, and role enactment evaluation, will be discussed and compared one to the other. Core content includes: role theory, subroles of the nurse educator (leader, learning facilitator, collaborator/consultant, inquirer, and clinical expert), adult education philosophy, the effect of education research on nurse education and trends of nursing education. Prerequisite: Admission to the MSN program or permission from instructor.

**5516 Curriculum Development (2).** This course is designed to facilitate curriculum development and evaluation for the nurse educator functioning in a variety of settings such as academia, staff development, and community education. The historical development of curriculum will be discussed. Furthermore, several definitions of curriculum will be identified and contrasted in relation to curriculum development and evaluation. Development of classes,

courses, and programs will be differentiated and discussed in relation to the learner, regulatory bodies, and desired learning outcomes. Core content will include: pedagogy and andragogy, components of curriculum, steps of curriculum development, accrediting bodies appropriate to the setting, and development of an evaluation plan. Prerequisites: Admission to the Master of Science in Nursing program or permission of instructor.

**5517 Teaching Strategies (2).** This course is designed to explore a variety of instructional and testing/evaluation methods used by nurse educators in academia, staff development, and community education. Emphasis will be placed on the rationale for selection of appropriate instructional methods in relation to learning theories, the learners, the content, and the evaluation methods. Each instructional method will be discussed in terms of preparation, time frame, appropriateness, techniques and evaluation. Core content will include: theories of learning, principles of adult learners, learning objectives for the classroom, community and clinical settings, development of appropriate audiovisuals, and student evaluation in both the classroom and clinical settings. Prerequisites: Admission to the Master of Science in Nursing program or permission of instructor.

**5518 Curriculum Development And Teaching Strategies (3).** This course examines the theoretical base for development of the nurse educator role for undergraduate nursing education. Concepts of learning, instructional design, and curriculum design are examined. Issues in higher education and nursing education are considered as they impact the design of instruction for nursing. This is one of three courses in a series to prepare beginning nurse educators undergraduate nursing education. Students will be introduced to curriculum development, instructional design, teaching strategies, and evaluation methods. Prerequisite: BSN Degree

**5519 C & I Field Experience (1).** This one credit hour study will provide the student the opportunity to apply various principles of curriculum development and evaluation to various types of educational programs including staff education, community education and associate degree education. Prerequisite: N518

**5526 Health Promotion Across The Lifespan (3).** This course is designed to provide students with a strong knowledge base related to concepts of health promotion and health protection for clients across the life span. Clients are conceptualized as individuals, families and populations. An application of various developmental theories for the child, adult, older adult and family will provide the basis to individualize health-care needs for various age and family groups. Core concepts for the course include: theories of health and health promotion and protection, reasoned action, health belief model, epidemiology, disease and injury privation, health education, growth and development, nutrition, and family systems theory. Prerequisites/Co-Requisites: N550 Theoretical Foundations in Nursing.

**5527 Cultural Diversity & Values (3).** This course explores how each individual's life context and social, cultural, political, historical, and economic influences (that is, one's culture) shape or, "construct" that individual's values, beliefs and behaviors. Applying concepts and theory from anthropology, philosophy, sociology, and nursing, the course expands students' basic knowledge of cultural diversity, approaches to culture and cultural competency, values and ethics-related terminology, theories of moral development, culture and value assessment skills, and ethical decision-making models for clinical practice. The values inherent in the development of advanced practice nursing are explored, and students examine their own understanding of the moral nature of advanced practice nursing. Core concepts for the course include: cultural awareness, cultural knowledge, cultural skill, cultural encounter, values clarification, ethical analysis, conflict of interest, and conflict resolution strategies. Offered: Every Fall, Every Summer

**5528 Policy, Politics & Professional Ethics In Health Care (3).** This course presents an overview of policy, politics, financing and professional ethics within the health care organizations and systems, with emphasis on current trends. Attention is given to the relationship between these issues and improving nursing health care delivery and outcomes. Offered: Every Winter & Every Summer

**5530A The Experience Of Health In Aging: Physiological (1).** This one-credit hour course is designed for students interested in understanding the role of health in the aging population. The 530A course will focus primarily on physiologic and psychological/cognitive functioning of the older adult. Theoretical, empirical and applied knowledge of the aging process is presented. This knowledge is utilized in assessing and interpreting the physiological and psychological influences of the aging on health. This knowledge may also be used in developing strategies for the promotion, restoration, and maintenance of health in the aging population. This course meets for five weeks. Additionally, a field experience encompasses assessment and written documentation of in-person interviews conducted with an older adult. Instructional class activities include lecture, group discussion, written reactions, dialogue with visiting speakers, and health assessment papers presented by students.

**5530B The Experience Of Helath In Aging: Relationship (1).** This one-credit hour course is designed for students interested in understanding the role of health, environment and relationships in the aging population. The N530B course will focus primarily on loss/grief and relationships as these relate to the older adult. Theoretical, empirical and applied knowledge of the aging process is presented. This knowledge is utilized in assessing and interpreting the influences of relationships, intimacy, loss, grief, and dying on health. This knowledge may also be used in developing strategies for the promotion, restoration, and maintenance of health in the aging population. This course meets for five weeks. Additionally, a field experience encompasses assessment and written documentation of in-person interviews conducted with an older adult. Instructional class activities include lecture, group discussion, written reactions, dialogue with visiting speakers, and health assessment papers presented by students. Offered: Every Winter

**5530C The Experience Of Health In Aging: Community (1).** This one-credit hour course is designed for students interested in understanding the role of health, community, systems and service delivery in the aging population. The N530C course will focus primarily on community, health systems and service delivery as these relate to the older adult. Theoretical, empirical and applied knowledge of aging and the health system and delivery process is presented. This knowledge is utilized in assessing and interpreting the influence of the community and health care delivery systems on the health of older adults. This knowledge may also be used in developing strategies for the promotion, restoration, and maintenance of health in the aging population. This course meets for five weeks. Additionally, a field experience encompasses assessment and written documentation of in-person interviews conducted with an older adult. Instructional class activities include lecture, group discussion, written reactions, dialogue with visiting speakers, and health assessment papers presented by students. Offered: Every Winter

**5547A Diagnostic Reasoning/Advanced Assessment (4).** This course is designed to provide a systematic approach to the advanced assessment of physiological, psychological, sociocultural, developmental and spiritual assessment of individuals. The course builds on basic health assessment skills and emphasizes advanced assessment skills, lab work interpretation, validation, documentation and analysis of assessment findings. This course consists of 2-3 hours lecture/discussion and 1 hour of clinical/lab credit. Prerequisites: Free-standing Health Assessment Course.

**5547C Diagnostic Reasoning/Advanced Assessment (4).** This course is designed to provide a systematic approach to the advanced assessment of physiological, psychological, sociocultural, developmental and spiritual assessment of individuals. The course builds on basic health assessment skills and emphasizes advanced assessment skills, lab work interpretation, validation, documentation and analysis of assessment findings. This course consists of 2 hours of lecture/discussion and 1 hour of clinical/lab credit. Prerequisites: Free-standing Health Assessment Course.

**5547F Diagnostic Reasoning/Advanced Assessment (4).** This course is designed to provide a systematic approach to the advanced assessment of physiological, psychological, sociocultural, developmental and spiritual assessment of individuals. The course builds on basic health assessment skills and emphasizes advanced assessment skills, lab work interpretation, validation, documentation and analysis of assessment findings. This course consists of 2-3 hours of lecture/discussion and 1 hour of clinical/lab credit. Prerequisites: Free-standing Health Assessment Course.

**5547N Advanced Health Assessment Of The Neonate (3).** A developmental and systematic approach to the advanced assessment of physiological, psychological, sociocultural and developmental aspects of the fetus, mother in the prenatal period, and the neonate is discussed. The approach builds on basic assessment skills and emphasizes perinatal, genetic, and embryologic factors impacting neonatal development. Ways to assess the pregnant woman for problems, the use of special diagnostic tests, and the assessment of the neonate also are expected. This course requires 40 hours of laboratory/clinical activities during the semester, which provide opportunities to implement various assessment and diagnostic procedure, complete a perinatal history. This three credit hour course consists of two hours of lecture/discussion and five hours of clinical/lab per week.

**5547PM Diagnostic Reasoning/Advanced Assessment (2).** This course is designed to provide a systematic approach to the advanced assessment of physiological, psychological, sociocultural, development and spiritual assessment of individuals. The post-MSN student will build on previous advanced assessment skills and content with emphasis on adding advanced physical assessment skills, lab work interpretation, validation, documentation and analysis of assessment findings appropriate to their desired role area. Students will meet the same outcome standards of the track in which they are currently enrolled. This course consists of 1.5 hrs of lecture/discussion and .5 hours of clinical/lab credit (40 minimum clinical hours and approval of clinical hours by faculty). Prerequisites: Free-standing Health Assessment Course.

**5547W Diagnostic Reasoning/Advanced Assessment (4).** This course is designed to provide a systematic approach to the advanced assessment of physiological, psychological, sociocultural, developmental and spiritual assessment of individuals. The course builds on basic health assessment skills and emphasizes advanced assessment skills, lab work interpretation, validation, documentation and analysis of assessment findings. This course consists of 2-3 hours lecture/discussion and 1 hour of clinical/lab credit. Prerequisites: Free-standing Health Assessment Course.

**5548 Advanced Pathophysiology (3).** Advanced pathophysiology is the study of the alterations of normal physiological functioning in cellular, tissue, organ and organ systems. These alterations form the basis for understanding a variety of pathophysiological conditions and the manifestations and impact of abnormal physiological functioning on clients across the life-span. Advanced pathophysiology deals with both generalized processes and major organ system dysfunctions. This course consists of three hours of lecture/discussion per week.

**5548C Advanced Pediatric Pathophysiology (3).** In this course, embryology of the major organ systems, as well as specific physiologic and pathophysiologic processes relevant to the child from birth through age 18 will be studied. This course focuses on the implications for advanced nursing practice that result from alterations of normal physiologic functioning in cellular, tissue, and organ systems. Emphasis is placed on the relationship between pathophysiology, decision-making, and standards of advanced nursing practice. Prerequisite: Admission to the Master of Science in Nursing or permission of the instructor.

**5548N Physiology/Pathophysiology Of The Neonate (3).** Concepts of embryology, neonatal physiology and pathophysiology are used to provide an in-depth study of normal functioning and alteration of normal physiological functioning in cellular, tissue, organ, and organ systems. Alterations form the basis for understanding a variety of pathophysiological conditions and the manifestations and impact of abnormal physiological functioning on neonates. Both generalized processes and major system dysfunctions are addressed. This three credit hours course consists of three hours of lecture and discussion each week. Prerequisites: Admission to the Neonatal Nurse Practitioner Track/Master of Science in Nursing or consent of the instructor

**5549 Pharmacology For Advanced Nursing Practice (3).** This is a course in clinical pharmacotherapeutics that builds on prior knowledge of drug classification, actions, interactions and adverse drug reactions. The major focus of the course is the pharmacotherapeutic use of medications for primary health care management by advanced practice nurses. Emphasis is placed on the clinical critical thinking process used to prescribe drugs in the management of specific illnesses. The Missouri laws for advanced practice nurse prescriptive authority will be addressed. Core concepts include pharmacodynamics, pharmacokinetics, pharmacotherapeutics, health-related information, medication compliance and issues that pertain to the prescribing of medications in advanced nursing practice. This course consists of three hours of lecture/discussion/in-class clinical module work per week. Prerequisite: N548

**5549C Pediatric Pharmacology For Advanced Nursing Practice (3).** This is a course in clinical pharmacotherapeutics that builds on prior knowledge of drug classifications, actions, interactions and adverse drug reactions. The major focus of the course is the pharmacotherapeutic use of medications for primary health care management of children from birth to eighteen years of age by advanced practice nurses. Emphasis is placed on the clinical critical thinking process used to prescribe drugs in the management of specific illnesses. The Missouri laws for advanced practice nurse prescriptive authority will be addressed. Core concepts include pharmacodynamics, pharmacokinetics, pharmacotherapeutics, health-related information, medication compliance and issues that pertain to the prescribing of medications in advanced nursing practice. Prerequisite: N548 Advanced Pathophysiology

**5549N Pharmacology For The Neonate (3).** Pharmacological agents used in the management of neonates are discussed. Pharmacologic principles are reviewed and applied to the use of drugs in the Level II or III NICU. The clinical use of drugs in the management of specific illnesses of the neonate are explored. In addition, legal considerations for the Advanced Practice Nurse are stressed. This three hour credit course consists of three hours of lecture/discussion per week.

**5550 Theoretical Foundations In Nursing (3).** This course focuses on critical analysis of theory and the utilization of various levels of nursing and nursing related theories as a base for nursing at the graduate level. It further examines the inter-relationship of theory, research and practice in the development of the scientific body of nursing knowledge. Methods by which knowledge is gained and validated will be analyzed. Students will synthesize several different theories from which to form the basis of their practice. Relationships of theory, practice and research will be discussed. Prerequisite: Admission to the MSN or PhD Program

**5555 Research Methodology (3).** This course is designed to provide the student with research knowledge and skills necessary for the master's prepared nurse. These include the fundamentals of research methods in nursing, as well as the terminology necessary to interpret research findings. Principles and techniques common to research are applied. This course consists of lecture/discussion each week. Prerequisites/Co-requisite N550 Theoretical Foundations in Nursing & an upper division statistics course

**5556 Program Evaluation (3).** This survey course is designed to introduce students to the philosophy, theory, and methodology of program evaluation. The end point of this course is that graduate students will be able to design, implement, and evaluate research, education and/or social programs within the context of their primary focus of study (i.e. clinical or role).

**5557 Qualitative Methods In Nursing Research (3).** This course is designed to provide the student with the skills necessary to the understanding and conduct of qualitative research. Various methods, including ethnographic, phenomenologic, historic, grounded theory and aesthetic inquiry are presented and discussed. Emphasis is placed upon the appropriateness of each method for different research problems. This course consists of three hours of lecture/discussion per week. Prerequisites/requisites: Nursing 550 and 555.

**5558 Research Design (3).** This course is designed to provide the student with experience in the development of a research proposal. Research skills acquired in previous courses will be synthesized to produce the components of a proposal. Prerequisite: N555

**5564A Primary Care Of Adults II (5).** This course is designed to prepare nurse practitioner students to manage common health problems of adults. The focus is on developmentally appropriate preventive health care and management of common acute/episodic illnesses. Students will integrate role competencies, professional standards, and legal requirements essential to the NP role. Core content includes differential diagnosis, therapeutic management, adherence, anticipatory guidance, patient/family education, legal and professional issues, standards of practice, and advanced practice role competencies. This course consist of 3 credit hours of didactic and 2 credit hours of clinical (165 hours). Clinical practice and clinical seminar comprise the clinical experience.

**5564C Clinical II: Primary Care Of Children (6).** This course is designed to prepare nurse practitioner students to manage common pediatric health problems. The focus is on developmentally appropriate preventive health care and management of common acute/episodic illnesses. Students will integrate role competencies, professional standards, and legal requirements essential to the NP role. Core content includes differential diagnosis, therapeutic management, adherence, anticipatory guidance, patient/family education, legal and professional issues, standards of practice, and advanced practice role competencies. This course consist of 4 credit hours of didactic and 2 credit hours of clinical (165 hours). Clinical practice and clinical seminar comprise the clinical experience.

**5564F Primary Care Of Families II (5).** This course is designed to prepare nurse practitioner students to manage common health problems across the life span. The focus is on developmentally appropriate preventive health care and management of common acute/episodic illnesses. Students will integrate role competencies, professional standards, and legal requirements essential to the NP role. Core content includes differential diagnosis, therapeutic management, adherence, anticipatory guidance, patient/family education, legal and professional issues, standards of practice, and advanced practice role competencies. This course consist of 3 credit hours of didactic and 2 credit hours of clinical (165 hours). Clinical practice and clinical seminar comprise the clinical experience.

**5564N Neonatal Nursing I (3).** This is the first of two courses that integrates the physiologic, pharmacologic, and assessment skills and principles in determining appropriate care of the ill neonate. Current research and evidenced-based practices are used as the course framework. The effects of critical conditions on the growth and development of the neonate, including subsequent chronic health problems as well as the short and long term consequences to the child's family are emphasized. The use of specific interventions and diagnostic procedures are demonstrated and applied in laboratory/clinical settings during forty hours of required clinical activities. Prerequisites: Nursing 549N.

**5564PW Primary Health Care Of Women (4-5).** This course will focus on the etiology, symptomatology, diagnosis and management of gynecologic and non-gynecologic primary health care problems in women, throughout the lifespan. Emphasis will be placed on caring for women within a holistic framework and recognizing how the changing roles of women in today's society can effect their lives and their health status. Concepts, theories and research related to health promotion, health maintenance and restoration and the prevention of illness and injury of epidemiologically significant problems and potential problems will be addressed. Through clinical experiences, students will integrate concepts of wellness and health promotion, illness prevention, and collaboration, as well as nursing and medical therapeutic modalities, to provide care to women in a comprehensive, interdisciplinary

fashion. Core content: differential diagnosis; theories: stress/ adaption and crisis; therapeutic relationships; and advanced nursing skills. This course will consist of 2-3 credit hours of lecture/seminar plus 2 credit hours (165 clock hours) of clinical practice. Prerequisites: N547W, N548, N550 Co-requisite: N549

**5566F Primary Health Care Nursing Of Families III (4).** This course is designed to provide students with the opportunity to apply knowledge from previous family nurse practitioner courses to advanced primary care nursing of individuals and families across the life span. The focus of the course is on the application of the nursing process in the differentiation and therapeutic management of stable chronic health problems encountered by family nurse practitioners in the primary health care setting. Emphasis is on the integration of advanced nursing concepts and pharmacokinetic principles in the care of individuals and families. Core content includes stress and coping, adaptation, pain management, and grief and loss. This course consists of 2 credit hours of lecture/seminar plus 165 hours (2 credit hours) of clinical experience. Prerequisites: N549 and N564F

**5566N Neonatal Nursing II (3).** This is the second of two courses that integrates the physiologic, pharmacologic, and assessment skills and principles in determining appropriate care of the ill neonate. Current research and evidenced-based practices are used as the course framework. The effects of critical conditions on the growth and development of the neonate, including subsequent chronic health problems as well as the short and long term consequences to the child's family are emphasized. The use of specific interventions and diagnostic procedures are demonstrated and applied in laboratory/clinical settings during forty hours of required clinical activities. Prerequisite: Nursing 564.

**5566NP Adult Nurse Practitioner Health Care Nursing III (4).** This course is designed to prepare adult clinical nurse practitioner (NP) students in the care and management of adults populations with chronic health problems. The focus of the course is on the differentiation and therapeutic management of chronic health problems encountered by adult NPs in various health care settings. Emphasis is given to those health issues commonly encountered by adult NPs. The course enables students develop a research and theory based practice for disease state management of health care for adults. Core content: theories/grief and loss, chronicity, and pain; advanced nursing skills. This course consists of 2 credit hours of lecture/discussion and 2 credit hours of clinical experience. The 2 credit hours of clinical experience consists of 165 hours. Clinical practice and clinical seminar comprise the clinical experience.

**5566PC Chronic Child Health Care (4).** This course is designed to provide students with the opportunity to apply knowledge and skill from advanced assessment, pathophysiology, pharmacology, health promotion, research and theory to advanced nursing care of patients and families experiencing complex or chronic health problems. Emphasis is placed on using models and theories that guide advanced practice and on determining the current research base on nursing assessment and management in several specific areas of knowledge. The organizing framework for this course is case management of chronic health states. Students will apply several theoretical models to acute and chronic health states of children at various developmental stages representing various socioeconomic and cultural groups, either in primary or specialized care settings. Core concepts are stress and coping, adaptation, pain management, grief and loss, nutritional support, ethical decision-making, case management, and symptom management. This course will consist of 2 credit hours of lecture/seminar plus 165 hours (2 credit hours) of clinical practice. Prerequisite: N564PC.

**5566W Care Of The Childbearing Woman (4).** This course will focus on normal adaption and pathologic alterations throughout the childbearing period. Emphasis is placed on caring for women and families from preconception through the puerperium. Concepts, theories and research related to the biopsychosocial and cultural aspects of childbearing will be addressed. Utilization of models and theories that guide advanced nursing practice will be the organizing framework for the course. Core concepts include adaptation, stress and coping, grief and loss, pain and symptoms management. This course will consist of 2 credit hours of lecture/seminar plus 2 credit hours of clinical practice. Prerequisite: N564PW-Primary Health Care of Women or Equivalent

**5572 Advanced Nursing Practice: Synthesis Practicum (5).** This course is a concentrated, experiential opportunity to function in an advanced practice nursing role of clinical nurse specialist, nurse practitioner, integrating clinical and functional role activities within a chosen setting. Core concepts include advanced nursing practice, functional role responsibilities and activities with emphasis on their relationship to patient outcomes. This course will entail 330 hrs of clinical/conferences (3-4 hours) and one hour didactic content for the semester. Prerequisites: All required courses except N598/599

**5572II Preceptorship II (5).** This is the second of two preceptorship experiences which can be taken concurrently or in consecutive semesters. This preceptorship course will be a minimum of 300 clinical hours. Opportunities to build upon knowledge and skills gained during Preceptorship I regarding the

advanced therapeutic management of high risk neonates are provided. Emphasis is placed on therapeutic measures within a conceptual framework or model and applying findings from research relevant to comprehensive care of neonates. The client system will be the neonate and family. Prerequisites: Nursing 572I.

**5572NA Advanced Nursing Practice: Synthesis Practicum (3).** This course is designed to afford the student a concentrated, experiential opportunity to function in the role she/he has chosen to pursue professionally. This course consists of nine hours of clinical experience per week and a conference every other week. Prerequisites: All courses except N598/599.

**5572NE Advanced Nursing Practice: Synthesis Practicum (3).** This course is designed to afford the student a concentrated, experiential opportunity to function in the role she/he has chosen to pursue professionally. This course consists of nine hours of clinical experience per week and a group conference every other week. Prerequisites: All courses except N598/599.

**5572NI Preceptorship I (5).** This is the first of two preceptorship experiences which can be taken concurrently or in consecutive semesters. This preceptorship course will be a minimum of 300 clinical hours. Opportunities to apply knowledge and skills from advanced nursing roles, theory, research, and neonatal clinical courses to the advanced therapeutic management of high risk neonates are provided. Emphasis is placed on therapeutic measure within a conceptual framework or model and applying findings from research relevant to comprehensive care of neonates. The client system will be the neonate and family. Prerequisites: Nursing 564N and 566N.

**5587 Research Utilization In Nursing (3).** This course will prepare nurses to implement a research utilization model to validate practice. The theoretical basis for research utilization and practical instances of its application in nursing will be examined. Opportunities will be provided to develop a research utilization plan to address a clinical area of practice. Prerequisites: N550, N555

**5597A Independent Study In Nursing/Patient Care-Elective (1-6).** Guided study of selected topics and/or areas in nursing and/or patient care. Prerequisites: Nursing 550 and permission of faculty.

**5597B Independent Study In Nursing/Patient Care-Equivalent (1-6).** Guided study of selected topics and/or areas in nursing and/or patient care. Prerequisites: Nursing 550 and permission of faculty.

**5597CD Independent Study In Nursing/Patient Care-Elective (1-6).** Guided study of selected topics and/or areas in nursing and/or patient care. Prerequisites: Nursing 550 and permission of faculty.

**5597D Independent Study In Nursing (1-6).**

**5597E Independent Study In Nursing (1-6).**

**5597EC Independent Study In Nursing (1-6).**

**5597HP Independent Study In Nursing (1-6).**

**5597IH Independent Study In Nursing/Patient Care-Equivalent (1-6).**

**5597NE Independent Study In Nursing/Patient Care-Elective (1-6).** Guided study of selected topics and/or areas in nursing and/or patient care. Prerequisites: Nursing 550 and permission of faculty.

**5597PP Independent Study In Nursing (1-6).**

**5597PV Independent Study In Nursing (1-6).**

**5597RA Independent Study In Nursing (1-6).**

**5597WV Independent Study In Nursing (1-6).**

**5598 Directed Research (1-6).** Individual research project for students to utilize beginning research skills in designing and conducting independent studies under the direction of the faculty. Prerequisites: Nursing 550, 555 and permission of faculty.

**5599 Research Thesis (1-9).** Individual study under the direction of a member of the faculty leading to the preparation and oral defense of a thesis. Prerequisites: Nursing 550, 555 and permission of faculty.

**5600 Doctoral Seminar (1).** This one credit hour four semester seminar course is designed to assist doctoral students in the process of socialization into a community of scholars. In a colloquium structure, students are exposed to and respond to current issues in nursing research. These issues are presented as discussion topics and in the context of responding to their colleagues' research activities and issues. Content may include such issues and concerns as theoretical models for research and education; collaboration and interdisciplinary research efforts; and the appraisal, interpretation and dissemination of research findings. Additional topics may include the processes undertaken in the submission of research proposals (e.g. IRB review, grant writing, peer review, etc.). Prerequisites: Admission to the Doctor of Philosophy in Nursing program.

**5605 Philosophy Of Science In Nursing (3).** An overview of philosophy and the history of science are briefly reviewed as the foundation for the rise of modern science. Issues specific to scientific knowledge are discussed, including how scientific knowledge is achieved, supported, and changed. The nature of science will then be addressed through the dialogue of competing philosophical perspectives, such as logical positivism, historicism and poststructuralism. Finally, contemporary nursing science, and its future are explored. Context topics include philosophic inquiry vs. scientific inquiry; the nature of truth, explanation, observation, confirmation, acceptance; and the roles of gender, culture and values in science. Prerequisite: Admission to the Doctor of Philosophy in Nursing Program or permission of the instructor.

**5608 Theory Development In Nursing I (3).** Selected readings in philosophy of science will be used as the context for exploring the philosophical underpinnings of nursing and the rise of nursing science. Students will discuss how changes and shifts occur in paradigms, world views, and bodies of knowledge. The discipline of nursing and the relationship among nursing theory, research, and practice will be discussed. Integration of theory into the development of research-based nursing knowledge will be explored, with emphasis on empirical evidence, hypothesis development, study design, research design, and translation into clinical practice. Prerequisites: 12 credit hours of master's level coursework, including theory

**5610 Theory Development In Nursing II (3).** Nursing and non-nursing models, frameworks and theories will be analyzed and critically evaluated using a variety of criteria. Students will identify the range of applicable theories for their area of research. Appropriate application of theories to independent and dependent variables, mediators, moderators, cofactors, correlates, and outcomes will be explored. Students will develop hypotheses, research goals and objectives that extend the implications and application of an identified theory in clinical nursing practice.

**5614 Health Policy & Ethics (2).** This course examines health policy and ethics as they intersect with other public policies. Legal, financial, and ethical issues associated with policy development and evaluation are critically examined. Prerequisites: Admission into the PhD in Nursing Program or permission of instructor.

**5630 Health Care Systems (3).** This course is a guided, in-depth exploration, analysis and evaluation of selected health care systems literature. Other nursing literature will be reviewed as appropriate. Prerequisites: Admission into PhD in Nursing program or permission of instructor. Offered: Every Summer

**5631 Health Promotion & Protection (3).** This course is a guided, in-depth exploration, analysis and evaluation of selected health promotion and protection literature. Other nursing literature will be reviewed as appropriate. Prerequisites: Admission into PhD in Nursing program or permission of instructor.

**5632 Health Restoration & Support (3).** This course is a guided, in-depth exploration, analysis and evaluation of selected health restoration & support literature. Other nursing literature will be reviewed as appropriate. Prerequisites: Admission into PhD in Nursing program or permission of instructor Offered: Every Fall

**5662 Psychometrics (3).** This course focuses on application of psychometric theories and practices related to instrumentation in nursing research. The basic methodologies and techniques for constructing, testing, and evaluating instruments will be discussed and applied by students. Content will focus on theoretical foundations of measurement, item construction, instrument design, item analysis, validity and reliability assessment. Criteria for evaluating existing instruments will also be discussed. Prerequisites: Permission of the instructor.

**5668 Quantitative Research (3).** Quantitative research methods used to build nursing's body of knowledge are explored. Experimental, quasi-experimental, and correlational designs and clinical trials are analyzed. Emphasis is placed on design, data generation, analysis, and dissemination of findings. Issues pertaining to the use of quantitative methods will also be explored. Prerequisites: Psychology 516 (or equivalent) N610 Theory Development in Nursing II, or permission of instructor.

**5670 Qualitative Research Methods (3).** Qualitative research methods used to build nursing's body of knowledge are explored in this seminar course. Emphasis is placed on design, data generation and analysis, and dissemination of findings. Issues regarding qualitative research are identified and analyzed. Prerequisite: Admission to the Doctor of Philosophy in Nursing program or permission of instructor.

**5676 Research Practicum (3-6).** The research practicum is a structured educational activity that is preparatory to formal initiation of the dissertation process and typically takes place as the last course. The focus of the activity is on refining the skills required by an individual student to conduct the dissertation research. The precise structure of and the credit awarded for the research practicum is determined by the student's program committee. Prerequisites: Permission of the student's program committee.

**5694 Directed Readings (1-3).** Intensive readings in an area selected by the graduate student in consultation with the instructor. By the end of the semester, the student will be prepared to: 1. Analyze selected readings in relation to the context of the dissertation. 2. Integrate selected readings into the development of the dissertation.

**5697A Special Topics Nursing Elective (1-6).** This course consists of the guided study of special topics in areas of nursing theory and/or research. Prerequisite: Admission into PhD in Nursing Program Offered: On Demand

**5697B Special Topics Nursing-Equivalent (1-6).** This course will cover guided study of course equivalent topics in areas of nursing theory and/or research. Prerequisite: Admission into PhD in Nursing program Offered: On Demand

**5697P Special Topics Nursing Elective (1-6).** This course consists of the guided study of special topics in areas of nursing theory and/or research. Prerequisite: Admission into Ph.D. Nursing Program Offered: On Demand

**5697PA Special Topics Nursing (1-6).**

**5697S1 Special Topics Nursing Elective (1-6).** This course consists of the guided study of special topics in areas of nursing theory and/or research. Prerequisite: Admission into PhD in Nursing Program Offered: On Demand

**5697S2 Special Topics Nursing Elective (1-6).** This course consists of the guided study of special topics in areas of nursing theory and/or research. Prerequisite: Admission into Ph.D. in Nursing Program Offered: On Demand

**5697SI Special Topics Nursing Elective (1-6).** This course consists of the guided study of special topics in areas of nursing theory and/or research. Prerequisite: Admission into PhD in Nursing Program Offered: On Demand

**5697SL Special Topics Nursing Elective (1-6).** This course consists of the guided study of special topics in areas of nursing theory and/or research. Prerequisite: Admission into PhD in Nursing Program Offered: On Demand  
This course consists of the guided study of special topics in areas of nursing theory and/or research. Prerequisite: Admission into PhD in Nursing Program Offered: On Demand

**5699 Dissertation Research (1-12).** Individual directed research leading to preparation and completion of doctoral dissertation.

**5899 Required Graduate Enrollment (1).**