Courses are subject to revision and final approval.

NATURAL SCIENCE

899*. Master's Thesis Research for Teachers
Fall, Spring, Summer. 3 to 8 credits. May reenroll for a maximum of 10 credits.
R: Master's candidates Natural Science Masters candidate Approval by Department
QA: BS 899 PHS 899

901*. Frontiers in Biological Science
Fall, Spring. 1(-)
P: Secondary certification in natural sciences; 3 yrs teaching experience <
R: Post baccalaureate or Master's candidates Natural Science Biological Science
Weekend workshops presented by disciplinary research faculty that explore the background and latest findings in their area of research.
QA: NSC 901

902*. Frontiers in Physical Science
Fall, Spring. 1(-)
P: Secondary certification in natural sciences. 3 yrs teaching experience <
R: Master's degree candidates or postbaccalaureate Natural Science Physical Science
Weekend workshops presented by disciplinary research faculty that explore the background and latest findings in their area of research.

NURSING

202*. Introduction to Nursing Practice I
Fall. 3(3-0)
R: Open only to College of Nursing students. Not open to Registered Nurses.
Theoretical concepts of nursing necessary for professional practice. Assessment, interpersonal communication, documentation and decision-making.
QA: NE 202

204*. Introduction to Nursing Practice II
Spring. 4(2-0)
P: NUR 202, C: NUR 304 R: Open only to College of Nursing students. Not open to Registered Nurses.
QA: NE 204

303*. Concepts of Nursing Care of the Adult
Fall, Spring. 4(4-0)
P: NUR 204, C: NUR 304 R: Open only to College of Nursing students.
Nursing care for adults at various levels of health and illness. Prototype health states with emphasis on associated nursing diagnosis and professional standards of care.
QA: NE 303 NE 403

304*. Practicum in Nursing Care of the Adult
Fall, Spring. 4(0-12)
P: NUR 204, C: NUR 304 R: Open only to College of Nursing students.
Nursing care of the adult client with an emphasis on health promotion, disease prevention, care in acute and chronic illness, and rehabilitation.
QA: NE 304 NE 404

305*. Concepts of Nursing Care of the Childbearing Family
Fall, Spring. 3(2-0)
P: NUR 204, C: NUR 306 R: Open only to College of Nursing students.
Concepts of holistic nursing care with culturally diverse childbearing families during the prenatal, intrapartum, and postpartum periods. Concepts of health promotion and risk factors in client care situations.
QA: NE 305

306*. Practicum in Nursing Care of the Childbearing Family
Fall, Spring. 3(0-3)
P: NUR 204, C: NUR 306 R: Open only to College of Nursing students.
Practicum in nursing care with culturally diverse childbearing families during the prenatal, intrapartum and postpartum periods. Implementation of nursing care in various settings. Levels of risk reduction and health promotion.
QA: NE 306

307*. Concepts of Nursing Care of Children and Their Families
Fall, Spring. 3(2-0)
P: NUR 204, C: NUR 308 R: Open only to College of Nursing students.
Theory and concepts related to the holistic care of children (infancy through adolescence) and their families.
QA: NE 307

308*. Practicum in Nursing Care of Children and Their Families
Fall, Spring. 3(0-3)
P: NUR 204, C: NUR 307 R: Open only to College of Nursing students.
Clinical application of the theoretical concepts presented in NUR 307. Variety of health settings will be utilized for clinical practice.
QA: NE 308

314*. Transition to Professional Nursing Practice
Fall, Spring. 3(0-3)
P: Open only to College of Nursing Registered Nurses.
Concepts and practice for role transition for Registered Nurses seeking degree completion. Assessment, documentation, interpersonal skills and concepts of aging with emphasis on clinical decision making and socialization to professional role.
QA: NE 215

319*. Introduction to Nursing Theory and Research
Spring. 3(0-3)
R: Open only to College of Nursing majors.
Major nursing theories and their application to practice. The research process, terminology and investigations undertaken in nursing.
QA: NE 415 NE 419

341*. Clinical Problems in Adaptation
Spring. 3(0-3)
R: Open only to College of Nursing majors.
Theoretical concepts related to individual's adaptive-maladaptive responses to stress. Emphasis on pathophysiology.
QA: NE 440

409*. Concepts of Psychiatric, Mental, and Community Health Nursing
Fall, Spring. 3(4-0)
R: Open only to College of Nursing majors.
Health care trends and issues in public and mental health. Role, responsibilities, and activities of nurses in the provision of care in public and mental health.
QA: NE 408 NE 410

410*. Practicum in Community Health Nursing
Fall, Spring. 3(0-3)
P: NUR 409 R: Open only to College of Nursing majors.
Clinical experience in community health nursing focusing on application of public health and nursing principles in the care of individuals, families and aggregates in a variety of settings.
QA: NE 409

412*. Practicum in Psychiatric and Mental Health Nursing
Fall, Spring. 3(0-3)
P: NUR 409 R: Open only to College of Nursing majors.
Theoretical conceptions of behavior applied to mental health nursing in a practice setting. Advanced concepts of communication. Use of self, group and milieu are utilized for the nurse's role.
QA: NE 411

413*. Issues in Professional Nursing
Fall, Spring. 3(0-3)
R: Open only to College of Nursing majors.
Past, current, and future impact of selected legal, economic, educational, social, political, ethical, and professional forces on health care and nursing practice at local, national, and international levels.
QA: NE 413

420*. Senior Practicum in Nursing
Fall, Spring. 3(0-3)
R: Open only to College of Nursing majors.
Synthesis and application of nursing concepts as they relate to health care delivery in a variety of health care settings.
QA: NE 420

422*. Nursing in Great Britain
Winter, Spring. 3(0-3)
P: Approval of College.
Historical evolution of nursing in the National Health Service: British nursing education, hospital and community healthcare, standards of care, research, and management. Influence of professional nursing upon British national health policies.
QA: NE 421

490*. Independent Study in Nursing
Fall, Spring, Summer. 1 to 4 credits. May reenroll for a maximum of 8 credits.
R: Open only to College of Nursing seniors.
Approval of college. Individualized area of study in Nursing.
QA: NE 490

491*. Special Topics
Fall, Spring, Summer. 2 to 4 credits. May reenroll for a maximum of 8 credits.
R: Open only to College of Nursing majors.
Exploration of selected issues in nursing.
QA: NE 495

500*. Health Assessment for Advanced Nursing Practice
Spring. 3(0-3)
P: Approval of department.
Collecting subjective and objective data to describe the client's health status, health problems, coping mechanisms, beliefs and values, and physical status. Interviewing techniques and physical examination skills stressed.
QA: NE 500 QA: NE 580A NE 580B

501*. Clinical Nurse Specialist in Primary Care
Fall. 3(2-0)
R: Open only to graduate students in College of Nursing.
Practice concepts, role characteristics, and definitions critical to implementation of clinical nurse specialist role in primary care.
QA: NE 500

503*. Primary Care: Organizational Structure, Policy and Change
Spring. 3(0-3)
P: NUR 501 R: Open only to graduate students in College of Nursing.
Health care organizations in primary care. Roles of federal and state government in health care policy and their influence on health care organizations.
QA: NE 560 QA: NE 561

Courses with an asterisk (*) have not been approved by the University Committee on Curriculum.
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>NUR 505</td>
<td><strong>Theoretical Foundations of Nursing</strong></td>
<td>Fall, 3(2-0) R: Open only to graduate students in College of Nursing and R.N.s with approval of department. Analysis and evaluation of nursing theories and conceptual models.</td>
</tr>
<tr>
<td>NUR 507</td>
<td><strong>Research Methods in Health Care</strong></td>
<td>Spring, 3(0-0) P: NUR 507. R: Open only to graduate students in College of Nursing. Basic statistics course or concurrently. Research methods commonly used in health research. Critique of applicability of research findings to practice.</td>
</tr>
<tr>
<td>NUR 511</td>
<td><strong>Primary Care Clinical Therapeutics for Advanced Nursing Practice</strong></td>
<td>Fall, 3(0-0) R: Open only to graduate students in College of Nursing and R.N.s with approval of department. Concepts of pharmacology and pathophysiology applied to common primary health care problems.</td>
</tr>
<tr>
<td>NUR 513</td>
<td><strong>Advanced Independent Nursing Interventions</strong></td>
<td>Fall, 3(0-0) R: Open only to graduate students in College of Nursing and R.N.s with approval of department. Concepts underlying advanced nursing interventions in primary care.</td>
</tr>
<tr>
<td>NUR 516</td>
<td><strong>Family Health Seminar for the Clinical Nurse Specialist</strong></td>
<td>Fall, 3(0-0) R: Open only to graduate students in College of Nursing. Family health and role of the clinical nurse specialist. Reciprocal influences of the client-family system, the health care delivery system, and other social systems in family health.</td>
</tr>
<tr>
<td>NUR 519</td>
<td><strong>Family Clinical Nurse Specialist Practicum I</strong></td>
<td>Fall, 4(2-8) P: NUR 500, NUR 505, NUR 506, NUR 511, NUR 513, NUR 621. R: Open only to graduate students in College of Nursing Family Clinical Nurse Specialist program. Health and uncomplicated health problems in primary care. Collaborative practice model.</td>
</tr>
<tr>
<td>NUR 521</td>
<td><strong>Family Clinical Nurse Specialist Practicum II</strong></td>
<td>Spring, 4(2-8) P: NUR 522. R: Open only to graduate students in College of Nursing Family Clinical Nurse Specialist program. Complex health problems in primary care. Collaborative practice model.</td>
</tr>
<tr>
<td>NUR 522</td>
<td><strong>Geronotological Clinical Nurse Specialist Practicum I</strong></td>
<td>Fall, 4(2-8) P: NUR 500, NUR 506, NUR 505, NUR 511, NUR 513, NUR 531. R: Open only to graduate students in College of Nursing Geronotological Clinical Nurse Specialist program. Care of aged clients with stable health and function. Collaborative practice model in primary care.</td>
</tr>
<tr>
<td>NUR 523</td>
<td><strong>Geronotological Clinical Nurse Specialist Practicum II</strong></td>
<td>Spring, 4(2-8) P: NUR 532. R: Open only to graduate students in College of Nursing Geronotological Clinical Nurse Specialist program. Care of aged clients with complex health problems and functional losses. Collaborative practice model in primary care.</td>
</tr>
<tr>
<td>NUR 524</td>
<td><strong>Women and Health in the United States: A Sociological and Nursing Perspective</strong></td>
<td>Spring, 3(3-0) R: Open only to seniors and graduate students. Health status of contemporary women. Role of women as consumers and providers of health care. Health care delivery in the U.S.</td>
</tr>
<tr>
<td>NUR 525</td>
<td><strong>Human Sexuality and Health</strong></td>
<td>Spring, 3(3-0) R: Open only to seniors and graduate students. Physiological and psychosocial components of sexual function. Clinical assessment and interventions for sexual problems common in primary care.</td>
</tr>
<tr>
<td>NUR 526</td>
<td><strong>Impact of Chronic Illness on Young Children</strong></td>
<td>Fall, 3(3-0) R: Open only to seniors and graduate students. Impact of chronic illness on growth and development of children from infancy through early childhood. Family and individual intervention strategies.</td>
</tr>
<tr>
<td>NUR 531</td>
<td><strong>Aging, Environment and Health</strong></td>
<td>Fall, 3(3-0) R: Open only to graduate students. Process of aging in context of family, the community, and contemporary American society. Impact on health status.</td>
</tr>
<tr>
<td>NUR 532</td>
<td><strong>Gerontology</strong></td>
<td>Fall, 3(3-0) P: NUR 500, NUR 506, NUR 505, NUR 511, NUR 513, NUR 531. R: Open only to graduate students in College of Nursing Gerontology Clinical Nurse Specialist program.</td>
</tr>
<tr>
<td>NUR 534</td>
<td><strong>Gynecology</strong></td>
<td>Spring, 3(0-0) R: Open only to seniors and graduate students. Gynecology and gynecologic oncology in the preceptor model. Participation in ambulatory and inpatient care including surgery. May include maternal and fetal medicine.</td>
</tr>
<tr>
<td>NUR 535</td>
<td><strong>Impact of Chronic Illness on Young Children</strong></td>
<td>Fall, 3(3-0) R: Open only to seniors and graduate students. Impact of chronic illness on growth and development of children from infancy through early childhood. Family and individual intervention strategies.</td>
</tr>
<tr>
<td>NUR 536</td>
<td><strong>Special Problems</strong></td>
<td>Fall, Spring. 1 to 4 credits. May reenroll for a maximum of 12 credits.</td>
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<tr>
<td>NUR 537</td>
<td><strong>Selected Topics</strong></td>
<td>Fall, Spring. 1 to 4 credits. May reenroll for a maximum of 12 credits. R: Open only to graduate students in College of Nursing. Approval of college. Selected issues, trends, programs, or theories in nursing.</td>
</tr>
<tr>
<td>NUR 538</td>
<td><strong>Master's Thesis Research</strong></td>
<td>Fall, Spring. 1 to 6 credits. May reenroll for a maximum of 12 credits. R: Open only to graduate students in College of Nursing. Approval of college.</td>
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**OBSTETRICS, GYNECOLOGY AND REPRODUCTIVE**

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<tr>
<td>OGR 608</td>
<td><strong>Obstetrics and Gynecology Required Clerkship</strong></td>
<td>Fall, Spring, Summer. 6(-) P: OGR 608. R: Open only to graduate-professional students in College of Human Medicine. Additional exposure to obstetrics or gynecology in the preceptor model. Participation in ambulatory and inpatient care including surgery. May include maternal and fetal medicine.</td>
</tr>
<tr>
<td>OGR 610</td>
<td><strong>Perinatology Clerkship</strong></td>
<td>Fall, Spring, Summer. 6(-) P: OGR 608. R: Open only to graduate-professional students in College of Human Medicine. Additional exposure to high risk obstetrics including prenatal diagnosis and counseling, antepartum evaluation, and care of the high risk patient. Management of the high risk patient.</td>
</tr>
<tr>
<td>OGR 611</td>
<td><strong>Reproductive Endocrinology and Infertility Clerkship</strong></td>
<td>Fall, Spring, Summer. 6(-) P: OGR 608. R: Open only to graduate-professional students in College of Human Medicine. Additional exposure to clinical problems in reproductive endocrinology and female infertility primarily in ambulatory setting. Occasional participation in inpatient experiences. Assisted reproductive technologies.</td>
</tr>
<tr>
<td>OGR 612</td>
<td><strong>Gynecologic Oncology Clerkship</strong></td>
<td>Fall, Spring, Summer. 6(-) P: OGR 608. R: Open only to graduate-professional students in College of Human Medicine. Added clinical experience in inpatient and ambulatory gynecologic oncology, breast disease, and complicated benign gynecology in the preceptor model. Pre-treatment evaluation and cancer management, including surgery.</td>
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**OSTEOPATHIC MEDICINE**

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<tr>
<td>OM 690</td>
<td><strong>Special Problems</strong></td>
<td>Fall, Spring, Summer. 1 to 8 credits. May reenroll for a maximum of 8 credits. R: Open only to graduate-professional students in the College of Osteopathic Medicine. Approval of department. Each student works under faculty direction on an experimental, theoretical, or applied problem.</td>
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