

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 <F
 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 years teaching experience <F
 R: Master's degree candidates or postbaccalaureate Natural Science Physical Sciences
 Weekend workshops presented by disciplinary research faculty that explore the background and latest findings in their area of research.

NURSING

NUR

202*. **Introduction to Nursing Practice I**
 Fall. 3(2-3)
 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(2-6)
 P: NUR 202. R: Open only to College of Nursing students. Not open to Registered Nurses.
 Application of introductory nursing practice concepts in simulated and clinical practice settings. Development of introductory nursing practice psychomotor skills.
 QA: NE 203

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 303 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. 2(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(0-9)
 P: NUR 204. C: NUR 305 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 process 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. 2(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(0-9)
 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**
 Fall, Spring. 4(3-3)
 R: Open only to College of Nursing Registered Nurses.
 Concepts and practicum for role transition for Registered Nurse 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(3-0)
 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 418 NE 419

341*. **Clinical Problems in Adaptation**
 Spring. 3(3-0)
 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. 4(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(0-9)
 C: 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(0-9)
 C: NUR 409 R: Open only to College of Nursing majors.
 Theoretical perspectives of behavior applied to mental health nursing in a practice setting. Advanced concepts of communication. Use of self, group and milieu are used to define the nurse's role.
 QA: NE 411

413*. **Issues in Professional Nursing**
 Fall, Spring. 2(2-0)
 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 414

420*. **Senior Practicum in Nursing**
 Fall, Spring. 4(1-9)
 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**
 Summer. 5(5-0)
 R: Approval of College.
 Historical evolution of nursing in the National Health Service; British nursing education, hospital and community health nursing, standards of care, research, and management. Influence of professional nursing upon British national health policies.

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 6 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(2-3)
 P: Approval of department.
 Collecting subjective and objective data to describe the client's health history, health problems, coping mechanisms, belief and value orientation, and physical status. Interviewing techniques and physical examination skills stressed.
 QP: NE 560 QA: NE 580A NE 580B

501*. **Clinical Nurse Specialist in Primary Care**
 Fall. 2(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 560

503*. **Primary Care: Organizational Structures, Policy and Change**
 Spring. 2(2-0)
 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.
 QP: NE 560 QA: NE 561

NURSING

505*. **Theoretical Foundations of Nursing**
 Fall. 2(2-0)
 R: Open only to graduate students in College of Nursing and to R.N.s with approval of department.
 Analysis and evaluation of nursing theories and conceptual models.
 QA: NE 570

507*. **Research Methods in Health Care**
 Spring. 3(3-0)
 P: NUR 505. 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.
 QP: NE 570 QA: CEP 803

509*. **Research Analysis in Health Care**
 Fall. 3(2-2)
 P: NUR 507.
 Review and application of research analyses commonly used in health care.
 QP: CEP 803 QA: FMP 530

511*. **Primary Care Clinical Therapeutics for Advanced Nursing Practice**
 Fall. 3(3-0)
 R: Open only to graduate students in College of Nursing and to R.N.s with approval of department.
 Concepts of pharmacology and pathophysiology applied to common primary health care problems.

513*. **Advanced Independent Nursing Interventions**
 Spring. 3(3-0)
 R: Open only to graduate students in College of Nursing and to R.N.s with approval of department.
 Concepts underlying advanced nursing interventions in primary care.
 QA: NE 541

521*. **Family Health Seminar for the Clinical Nurse Specialist**
 Fall. 3(3-0)
 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.
 QA: NE 540

522*. **Family Clinical Nurse Specialist Practicum I**
 Fall. 4(2-8)
 P: NUR 500, NUR 503, NUR 505, NUR 511, NUR 513, NUR 521. 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.
 QP: NE 560 NE 561NE 540NE 580ANE 580B
 QA: NE 581 NE 582

524*. **Family Clinical Nurse Specialist Practicum II**
 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.
 QP: NE 581 NE 582 QA: NE 582 NE 583

531*. **Aging, Environment and Health**
 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.
 QA: NE 543 NE 544

532*. **Gerontological Clinical Nurse Specialist Practicum I**
 Fall. 4(2-8)
 P: NUR 500, NUR 503, NUR 505, NUR 511, NUR 513, NUR 531. R: Open only to graduate students in College of Nursing Gerontological Clinical Nurse Specialist program.
 Care of aged clients with stable health and function. Collaborative practice model in primary care.
 QP: NE 560 NE 561NE 543NE 544NE 580
 QA: NE 581 NE 582

534*. **Gerontological Clinical Nurse Specialist Practicum II**
 Spring. 4(2-8)
 P: NUR 532. R: Open only to graduate students in College of Nursing Gerontological Clinical Nurse Specialist program.
 Care of aged clients with complex health problems and functional losses. Collaborative practice model in primary care.
 QP: NE 581 NE 582 QA: NE 582 NE 583

541*. **Women and Health in the United States: A Sociological and Nursing Perspective**
 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.
 QA: NE 511

543*. **Human Sexuality and Health**
 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.
 QA: NE 545

551*. **Impact of Chronic Illness on Young Children**
 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.
 QA: NE 520

590*. **Special Problems**
 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.
 Individual or group in-depth study of specific areas in nursing. Independent study.
 QA: NE 590

591*. **Selected Topics**
 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.
 QA: NE 595

899*. **Master's Thesis Research**
 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.
 QA: NE 899

OBSTETRICS, GYNECOLOGY AND REPRODUCTIVE OGR

608*. **Obstetrics and Gynecology Required Clerkship**
 P: FMP 602. R: Open only to graduate-professional students in College of Human Medicine.
 Obstetrics and gynecology in inpatient and ambulatory settings. Clinical experiences, didactic sessions, hospital rounds discussions. Case writeups and presentations.
 QP: FMP 60 QA: OGR 608

609*. **Advanced Obstetrics and Gynecology Clerkship**
 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 mode. Participation in ambulatory and inpatient care including surgery. May include maternal and fetal medicine
 QP: OGR 608 QA: OGR 609

610*. **Perinatology Clerkship**
 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 intrapartum high risk patient.
 QP: OGR 608 QA: OGR609

611*. **Reproductive Endocrinology and Infertility Clerkship**
 Fall, Spring, Summer. 6(-)
 P: OGR 608. R: Open only to graduate-professional students in College of Human Medicine.
 Added exposure to clinical problems in reproductive endocrinology and female infertility primarily in ambulatory setting. Occasional participation in inpatient experiences. Assisted reproductive technologies.
 QP: OGR 608 QA: OGR 609

612*. **Gynecologic Oncology Clerkship**
 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 mode. Pre-treatment evaluation and cancer management, including surgery.
 QP: OGR 608 QA: OGR 609

OSTEOPATHIC MEDICINE OM

590*. **Special Problems**
 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.
 QA: OM 590