

889. Research for Inservice Teachers
Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 10 credits in all enrollments for this course.
R: Open only to inservice K-12 teachers with baccalaureate degrees.
Research in faculty laboratories. Oral and written presentations.

899. Master's Thesis Research
Fall, Spring, Summer. 3 to 8 credits. A student may earn a maximum of 10 credits in all enrollments for this course.
R: Open only to Master's candidates in College of Natural Science. Approval of college.

901. Frontiers in Biological Science
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 36 credits in all enrollments for this course.
R: Secondary certification in chemistry or physics or earth science or physical science or biology, 3 years teaching experience. Approval of college.
Weekend workshops with research faculty exploring background and latest findings in their area of research.

902. Frontiers in Physical Science
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 40 credits in all enrollments for this course.
R: Secondary certification in chemistry or physics or earth science or physical science or biology, 3 years teaching experience. Approval of college.
Weekend workshops with research faculty exploring background and latest findings in their area of research.

NURSING

NUR

College of Nursing

202. Introduction to Nursing Practice I
Fall. 3(2-3)
R: College of Nursing majors only. Not open to Registered Nurses.
Theoretical concepts of nursing necessary for professional practice. Assessment, interpersonal communication, documentation and decision-making.

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.

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.
Family centered 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.

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.

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.

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.

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.

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.

314. Transition to Professional Nursing
Fall, Spring. 4(3-3) Given only at various off-campus sites.
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.

319. Introduction to Nursing Theory and Research
Spring. 3(3-0)
R: Open only to College of Nursing majors. Completion of Tier I writing requirement.
Major nursing theories and their application to practice. The research process, terminology and investigations undertaken in nursing.

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.

409. Concepts of Psychiatric, Mental, and Community Health Nursing
Fall, Spring. 4(4-0)
R: Open only to College of Nursing majors. Completion of Tier I writing requirement.
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.

410. Practicum in Community Health Nursing
Fall, Spring. 3(0-9)
C: NUR 409. R: Open only to College of Nursing majors. Completion of Tier I writing requirement.
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.

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.

413. Issues in Professional Nursing
Fall, Spring. 2(2-0)
R: Open only to College of Nursing majors. Completion of Tier I writing requirement.
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.

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.

422. Nursing in Great Britain
Summer. 5(5-0) Given only in London, England.
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.

430. Nursing Care of the Critically Ill Client
Fall. 3(2-3)
P: NUR 304, NUR 306, NUR 308. R: College of Nursing majors only.
Advanced medical-surgical nursing concepts. Preceptor practicum.

490. Independent Study in Nursing
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course.
R: Open only to College of Nursing seniors. Approval of college.
Individualized area of study in Nursing.

491. Special Topics
Fall, Spring, Summer. 2 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course.
R: Open only to College of Nursing majors.
Exploration of selected issues in nursing.

500. Health Assessment for Advanced Nursing Practice
Spring. 3(1-6)
R: Open only to College of Nursing graduate students.
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.

**Descriptions — Nursing
of
Courses**

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.

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.

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.

507. Research Methods in Health Care
Spring. 3(3-0)

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.

509. Research Analysis in Health Care
Fall. 3(2-2)

P: NUR 507. Review and application of research analyses commonly used in health care.

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.

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.

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.

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.

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.

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.

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.

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.

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.

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.

590. Special Problems
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 24 credits in all enrollments for this course.

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.

591. Selected Topics
Fall, Spring. 1 to 4 credits. A student may earn a maximum of 12 credits in all enrollments for this course.

R: Open only to graduate students in College of Nursing. Approval of college. Selected issues, trends, programs, or theories in nursing.

898. Master's Scholarly Project
Fall, Spring. 1 to 6 credits. A student may earn a maximum of 12 credits in all enrollments for this course.

P: NUR 507. R: Approval of college. A planning, implementing, and evaluating project that addresses a significant clinical nursing problem relevant to primary care and advanced practice.

899. Master's Thesis Research
Fall, Spring. 1 to 6 credits. A student may earn a maximum of 24 credits in all enrollments for this course.
P: NUR 507. R: Open only to graduate students in College of Nursing. Approval of college.

**OBSTETRICS,
GYNECOLOGY AND
REPRODUCTIVE BIOLOGY OGR**

**Department of Obstetrics,
Gynecology and Reproductive
Biology
College of Human Medicine**

608. Obstetrics and Gynecology Required Clerkship

Fall, Spring, Summer. 6 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course.

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.

609. Advanced Obstetrics and Gynecology Clerkship

Fall, Spring, Summer. 4 to 6 credits.

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

610. Perinatology Clerkship

Fall, Spring, Summer. 4 to 6 credits.

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.

611. Reproductive Endocrinology and Infertility Clerkship

Fall, Spring, Summer. 4 to 6 credits.

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.

612. Gynecologic Oncology Clerkship

Fall, Spring, Summer. 4 to 6 credits.

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.

637. Core Competencies III

Spring, Summer. 2 credits. A student may earn a maximum of 6 credits in all enrollments for this course. Interdepartmental with Human Medicine, Medicine, Pediatrics and Human Development, Family Practice, and Surgery. Administered by Human Medicine.

P: FMP 602. R: Open only to graduate-professional students in College of Human Medicine.

A weekly seminar addressing core knowledge and skills from an interdisciplinary perspective.