

**Descriptions — Natural Science  
of  
Courses**

**840. Energy Dispersive Spectroscopy**

Fall. 3(1-4) NSC 802, NSC 820.

Energy dispersive X-ray analysis on electron microscopes with emphasis on the scanning electron microscope. Machine operation and applications for biological and nonbiological samples.

**NURSING  
(COLLEGE OF)**

**N E**

**202. Introduction to Professional  
Nursing Practice**

Winter. 3(3-0) Approval of college, N E 203 concurrently. Not open to Registered Nurses.

Fundamental theoretical concepts necessary for the delivery of professional practice utilizing the nursing process. Development of interpersonal communication and documentation skills. Accountability in nursing practice.

**203. Introduction to Professional  
Nursing Practice Practicum**

Winter. 3(0-9) Approval of college, N E 202 concurrently. Not open to Registered Nurses.

Application of fundamental theoretical concepts in nursing utilizing nursing process in simulated and real life settings. Development of fundamental psychomotor nursing skills.

**212. Professional Nursing I: Basic  
Concepts**

Winter. 2(2-0) Approval of college.

Introductory concepts forming foundation of professional nursing practice. Standards of practice, code of ethics. Relationship of nursing research to practice and health promotion.

**215. Transition to Professional Nursing**

Fall. 4(3-3) Approval of college. Open only to Registered Nurses.

Transition issues for Registered Nurses seeking baccalaureate education. Essential theoretical and clinical components for professional nursing practice. Assessment, documentation and interpersonal skills.

**301. Nursing III**

Winter. 10(6-12) N E 300.

Care of individuals at risk across the life span. Application of entire nursing process in a variety of health care settings.

Approved through Fall 1989.

**302. Nursing IV**

Spring. 10(5-15) N E 301, N E 441.

Application of the nursing process to individuals in diminished-stable health. Assessment of healthy families. Relation of research findings to practice. Clinical placement in acute care settings.

Approved through Winter 1990.

**303. Concepts of Nursing Care of the  
Young and Older Adult**

Fall, Winter, Spring. 3(3-0) Approval of college, N E 304 concurrently.

Theoretical concepts in nursing care of adult and elderly with acute alterations in health status. Prototype health states, nursing diagnosis and application of professional standards of nursing care.

**304. Practicum in Nursing Care of the  
Young and Older Adult**

Fall, Winter, Spring. 4(0-12) Approval of college, N E 303 concurrently.

Applied nursing care of adults and elderly in acute care settings. Implementation of nursing process. Application of standards of care and professional accountability.

**305. Concepts of Nursing Care of the  
Childbearing Family**

Fall, Winter, Spring. 3(3-0) Approval of college, N E 306 concurrently.

Concepts of nursing care of the childbearing family during prenatal, intrapartum and postpartum periods. Typical and atypical client care situations.

**306. Practicum in Nursing Care of the  
Childbearing Family**

Fall, Winter, Spring. 4(0-12) Approval of college, N E 305 concurrently.

Practicum in nursing care of the childbearing family in prenatal, intrapartum and postpartum periods. Implementation of nursing process in a variety of settings.

**307. Concepts of Nursing Care of  
Children and Their Families**

Fall, Winter, Spring. 3(3-0) Approval of college, N E 308 concurrently.

Concepts relative to holistic care of children in real or potential altered health states and their families. Health promotion and application of growth and development concepts.

**308. Practicum in Nursing Care of  
Children and Their Families**

Fall, Winter, Spring. 4(0-12) Approval of college, N E 307 concurrently.

Application of nursing process to children with potential or real altered health states and their families. Implementation of health promotion and growth and development concepts.

**312. Professional Nursing II: Change  
and the Change Process**

Spring. 2(2-0) N E 212 or approval of college.

Situations in which the nurse and client experience change. Appropriate independent nursing interventions. Therapeutic relationships and nursing advocacy techniques.

**400. Nursing V**

Fall. 10(5-15) N E 302, PSY 425.

Nursing of individuals in diminished-unstable and families in diminished-stable health states. Client referral and interdependent practice. Relation of research findings to practice. Clinical placement in acute care settings.

Approved through Summer 1990.

**401. Nursing VI**

Winter. 10(4-18) N E 400.

Nursing of individuals in depleted-compensated and families in diminished-unstable health states. Community assessment. Application of research findings to practice. Interdependent clinical practice within health care systems.

Approved through Fall 1990.

**403. Concepts in Advanced Nursing  
Care of the Young and Older Adult**

Fall, Winter, Spring. 3(3-0) Approval of college, N E 404 concurrently.

Concepts of care of adult and elderly clients with complex health problems. Professional, legal, ethical issues and relevant research.

**404. Practicum in Advanced Nursing  
Care of the Young and Older Adult**

Fall, Winter, Spring. 5(0-15) Approval of college, N E 403 concurrently.

Practicum in nursing care of the adult and elderly client in acute care setting. Implementation of nursing process and health promotion.

**405. Nursing VII**

Spring. 10(3-21) N E 401, N E 407.

Nursing of individuals and families with depleted health. Analysis of community health issues. Integration of theory and research from nursing and related sciences. Interdependent clinical practice within health care systems.

Approved through Winter 1991.

**408. Concepts of Community Health  
Nursing**

Fall, Winter, Spring. 3(3-0) Approval of college, N E 409 concurrently.

Theoretical concepts of nursing in community health. Public health trends and issues. The role, responsibilities and activities of the community health nurse.

**409. Practicum in Community Health  
Nursing**

Fall, Winter, Spring. Registered Nurse Students: 5(0-10). All other students: 5(0-15). Approval of college, N E 408 concurrently.

Application of public health nursing principles for individuals, families and aggregates. Levels of prevention and health promotion.

**410. Concepts of Psychiatric and  
Mental Health Nursing**

Fall, Winter, Spring. 3(3-0) Approval of college, N E 411 concurrently.

Theoretical perspectives of behavior as applied to mental health nursing practice. Selected research studies relevant to nursing process as it assists in meeting client needs.

**411. Practicum in Psychiatric and  
Mental Health Nursing**

Fall, Winter, Spring. 5(0-15) Approval of college, N E 410 concurrently.

Maladaptive patterns of emotional and behavioral expression in relation to implementation of nursing process.

**412. Professional Nursing III: Role  
Development**

Spring. 2(2-0) N E 312 or approval of college.

Issues relevant to role development of a professional nurse. Legal issues in practice and value development in nursing.

**413. Professional Nursing IV:  
Leadership and Management**

Winter. 2(2-0) N E 412 or approval of college.

Leadership, organizational and management theories and their impact upon nursing practice and delivery of health care within organizations. Organizational and professional factors which influence leadership effectiveness.

**414. Professional Nursing V: Trends,  
Events and Issues**

Spring. 2(2-0) N E 413 or approval of college.

Past, current and future impact of selected legal, economic, educational, social, political and ethical forces on health care and nursing practice.

**418. Theory Development in Nursing**  
Spring. 2(2-0) N E 412 or approval of college.

Major theories of nursing and application to nursing process. Theory development and relationship to nursing research.

**419. Introduction to Nursing Research**  
(N E 407.) Winter. 2(2-0) Approval of college.

The research process, terminology, and types of investigations undertaken in nursing. Findings relevant to practice.

**420. Senior Practicum in Nursing**

Spring. Registered Nurse Students: 6(1-10). All other students: 6(1-15). Approval of college.

Synthesis and application of previously learned nursing knowledge as it applies to the leadership and management aspects of health care delivery in a variety of health care settings.

**440. Clinical Problems in Adaptation**

Spring. 5(5-0) Approval of college.  
Theoretical concepts related to individual's adaptive-maladaptive responses to stress. Emphasis on pathophysiology.

**441. Clinical Problems in Adaptation II**

Winter. 5(5-0) N E 440.  
Emphasis placed upon individual's adaptive-maladaptive responses. Use of clinical case presentations.  
Approved through Fall 1989.

**490. Special Problems in Nursing**

Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 12 credits. Approval of college.  
Exploration of particular areas in nursing in greater depth and/or from a different perspective than possible within the limits of required courses.

**495. Selected Topics in Nursing**

Fall, Winter, Spring, Summer. 2 to 6 credits. May reenroll for a maximum of 6 credits if different topic is taken. Approval of college.  
Allows exploration of unique issues in nursing. Topics to be selected from current issues.

**511. Women and Health in the U.S.**

Winter. 3(3-0) Graduate students; advanced undergraduate students: approval of instructor.  
Health status of women and women's roles as consumers and as providers of healthcare in the U.S. health care delivery system.

**520. Impact of Illness on Young Children**

Spring. 3 credits. Graduate students or approval of instructor.  
The impact of acute and chronic illness on the growth and development of children from infancy through early childhood. Family and individual intervention strategies.

**521. Evaluation of Health Services**

Spring. 2 to 4 credits. Approval of instructor. Interdepartmental with and administered by the Department of Community Health Science.  
Use of experimental and quasi-experimental designs. Cost benefit and efficiency models. Assessment of health services delivery.

**540. Family Health Seminar for the Clinical Nurse Specialist**

Fall. 3(3-0) Majors or approval of instructor.  
Conceptual frameworks of family. Assessment of family health behavior.

**541. Facilitating Patient Participation**

Winter. 3(3-0) N E 564 or approval of instructor.  
Learning theories and methods to promote patient self care.

**543. Health and Adaptation of the Elderly**

Fall. 3(3-0) Baccalaureate degree in health science; approval of instructor. Interdepartmental with the Department of Community Health Science.  
Health and adaptation of the aged individual experiencing the normative biophysiological and psychosocial changes related to the aging process.

**544. Aging, Environment, and Health: An Interactional Approach**

Spring. 3(3-0) Baccalaureate degree in health science; approval of instructor.  
Quality and quantity of interaction between the aged and their environment as an index of the health status of the older individual.

**545. Human Sexuality for Health Professionals**

Spring. 3(3-0) FCE 445 or approval of instructor.  
Focus on physiological and psychosocial components of sexual functioning, clinical assessment and diagnosis of common sexual problems and primary care treatment.

**560. Primary Care Seminar I: Role of Clinical Nurse Specialist**

Fall. 3(3-0) Admission to the graduate program or approval of instructor.  
History of clinical nurse specialist role in primary care. Concepts of role including legal issues, future directions, and interdisciplinary functioning.

**561. Primary Care II: Organization and Policy**

Winter. 3(3-0) N E 560.  
Organization of advanced nursing practice and primary care. Impact of technology and policy on health care delivery systems.

**562. Primary Care Seminar III: Marketing and Strategies for Change**

Spring. 3(3-0) Approval of instructor.  
Managerial skills of Clinical Nurse Specialist in primary care. Adaptation to changing health care system. Influencing policies concerning primary care. Entrepreneurial and marketing methods for advanced nursing practice.

**570. Nursing Theories and Conceptual Models**

Fall. 3(3-0) Statistics course, research methods course or approval of instructor.  
Issues, problems and processes of theory and concept development.

**580A. Clinical Nurse Specialist Practicum I**

Winter. 2(1-3) N E 564, approval of college.  
Beginning skill development in physical assessment and interviewing, history taking.

**580B. Clinical Nurse Specialist Practicum I**

Spring. 3(1-6) N E 580A, approval of college.  
Completion of physical examination and patient history, interpreting data. Health assessment of adult.

**581. Clinical Nurse Specialist Practicum II**

Fall. 5(2-9) N E 564, N E 565, N E 570, N E 580B, CMS 521 or concurrently.  
Nursing management of clients in primary care. Focus on health maintenance, health promotion and self care. Single acute problems. Longitudinal study of a family.

**582. Clinical Nurse Specialist Practicum III**

Winter. 5(2-9) N E 581, approval of college.  
Primary care management of clients with chronic health problems. Utilizes stress-adaptation framework. Longitudinal study of a family.

**583. Clinical Nurse Specialist Practicum IV**

Spring. 5(2-9) N E 582, approval of college.  
Primary care management of clients with multiple health problems. Focus on loss theory. Longitudinal study of a family.

**590. Special Problems**

Fall, Winter, Spring. 1 to 6 credits. May reenroll for a maximum of 12 credits. Approval of instructor.  
Individual or group in-depth study of specific areas in nursing. Independent study.

**595. Selected Topics**

Fall, Winter, Spring. 1 to 6 credits. May reenroll for a maximum of 12 credits if different topics are taken. Approval of instructor.  
Selected issues, trends, programs or theories in nursing.

**899. Master's Thesis Research**

Fall, Winter, Spring. Variable credit. Approval of instructor.  
Clinical research problem related to primary health care.

## OBSTETRICS, GYNECOLOGY AND REPRODUCTIVE BIOLOGY OGR

### College of Human Medicine

**608. Obstetrics/Gynecology Clerkship**

Fall, Winter, Spring, Summer. 1 to 17 credits. May reenroll for a maximum of 43 credits. FMP 602.  
Experience with gynecologic and obstetrical patients, in in-patient and out-patient settings, under the direction of community practitioners and members of the MSU faculty.

**609. Obstetrics and Gynecology Advanced Clerkship**

Fall, Winter, Spring, Summer. 4 to 16 credits. May reenroll for a maximum of 16 credits. OGR 608, approval of department and approval of community coordinator.  
Advanced clinical experience in gynecology and/or obstetrics.