Descriptions — Natural Science of Courses

540. 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 application for biological and nonbiological samples.

NURSING (COLLEGE OF)

202. Introduction to Professional Nursing Practice
Winter. 3(0-3) 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

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

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

305. Concepts of Nursing Care of the Childbearing Family

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

308. Practicum in Nursing Care of Children and Their Families

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

401. Nursing VI

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

405. Nursing VII

406. Concepts of Community Health Nursing

409. Practicum in Community Health Nursing

410. Concepts of Psychiatric and Mental Health Nursing
Fall. Winter. Spring. 3(0-3) 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(3-0) 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(4-18). 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.  

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 584 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 biophysiologic and psychodevelopmental 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 580.  
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.  

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. 3(2-9) N E 584, N E 585, N E 570, N E 580B, CMS 521 or concurrently.  

582. Clinical Nurse Specialist Practicum III  
Winter. 3(2-9) N E 581, approval of college.  

583. Clinical Nurse Specialist Practicum IV  
Spring. 3(2-9) N E 582, approval of college.  
Primary care management of clients with multiple health problems. Focus on stress theory. Longitudinal study of a family.

590. Special Problems  
Fall, Winter, Spring, Summer. 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, Summer. 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  

College of Human Medicine  

608. Obstetrics/Gynecology Clerkship  
Fall, Winter, Spring, Summer. 1 to 17 credits. May reenroll for a maximum of 43 credits. MFM 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 609, approval of department and approval of community coordinator.  
Advanced clinical experience in gynecology and/or obstetrics.