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.
Provides 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. healthcare delivery system.

521. Evaluation of Health Services
Spring. 2 to 4 credits. Approval of instructor. Interdepartmental with and administered by the Department of Community Health Sciences.

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 Sciences.
Health and adaptation of the aged individual experiencing the normative biopsychologic and psychosocial changes related to aging process.

544. Aging, Environment, and Health: An Interpersonal Approach
Winter. 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.

564. Primary Care Seminar I: Role of the Clinical Nurse Specialist
Fall. 2(2-0) Approval of instructor.
Role of nurse in advanced practice. Dimensions of primary care within the health care system. Approved through Fall 1988.

565. Primary Care Seminar II: Interdisciplinary Team Functioning
Winter. 2(2-0) Approval of instructor.
Theories of team functioning. Communication, consultation, collaboration, conflict and decision making. Role strategies. Approved through Fall 1988.

566. Primary Care Seminar III: Organizational Structure
Fall. 3(3-0) N E 564, N E 565 or approval of instructor.
Organization of nursing in primary care. Approved through Fall 1988.

567. Primary Care Seminar IV: Health Care Policy
Spring. 3(3-0) N E 564 or approval of instructor.
Policy influence on health care delivery systems. Approved through Fall 1988.

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(2-0) N E 564, N E 565, N E 570, N E 580B, CMS 521 or concurrently.

582. Clinical Nurse Specialist Practicum III
Winter. 5(2-0) N E 581, approval of college.

583. Clinical Nurse Specialist Practicum IV
Spring. 5(2-0) 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. 2 to 6 credits. May reenroll for a maximum of 6 credits if different topics are selected. Approval of instructor.
Selected issues, trends, programs or theories in nursing.

599. Master's Thesis Research
Fall, Winter, Spring. 1 to 6 credits. May reenroll for a maximum of 15 credits. N E 570, approval of instructor.
Clinical research project related to primary health care.

OBSTETRICS, GYNECOLOGY AND REPRODUCTIVE BIOLOGY

College of Human Medicine

605. Obstetrics/Gynecology Clerkship
Fall, Winter, Spring, Summer. 1 to 17 credits. May reenroll for a maximum of 43 credits. FMP 692.
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.

OSTEOPATHIC MEDICINE

College of Osteopathic Medicine

590. Special Problems in Osteopathic Medicine
Fall, Winter, Spring. 1 to 8 credits. May reenroll for a maximum of 32 credits. Approval of department.
Each student will work under direction of a faculty member on an experimental, theoretical or applied problem.
620. Directed Studies
Fall, Winter, Spring, Summer. 2 to 24 credits. May reenroll for a maximum of 48 credits. Admission to a college of medicine or approval of department. Individual or group work on special problems in medicine.

651. Obstetrics-Gynecology Clerkship
Fall, Winter, Spring, Summer. 8 credits. Grade P in all courses offered in terms 1 through 8. Clinical exposure in obstetrics and gynecology. Program developed to achieve efficiency in obstetrical patient evaluation, management; motor skills, aptitudes; evaluation of patient; management of gynecologic problems.

652. Comprehensice Patient Evaluation I
Fall 3 to 6 credits. Admission to a college of medicine. ANT 565 or concurrently.

653. Surgery Clerkship
Fall, Winter, Spring, Summer. 8 credits. Grade P in all courses offered in terms 1 through 8. Clinical exposure in the area of anesthesiology. Motor skills; concepts and principles; patient evaluation, management, and therapy.

590. Special Problems
Fall, Winter, Spring, Summer. 1 to 8 credits. May reenroll for a maximum of 12 credits. Grade P in all courses offered in terms 1 through 8. Clinical exposure in area of orthopedics. Program structure developed to achieve proficiency in motor skills, aptitudes; comprehension of concepts and principles; patient evaluation, diagnosis, management, and therapy.

OSTEOPATHIC MEDICINE — Descriptions of Courses

500. Basic Concepts in Biomechanics
Winter. 2(0-4) OST 502. Admission to a college of medicine or approval of department. Interdepartmental with and administered by the Department of Biomechanics. Basic concepts of biomechanics and their relationship to functional anatomy and osteopathic manipulative therapy.

520. Normal Endocrine Structure and Function
Spring. 3 credits. BCH 502.

556. Systems Biology - Urinary
Fall. 7 credits. ANT 560, ANT 565, PSL 500A, MPH 521, BCH 502, PHM 521, PTH 502.

557. Systems Biology - Gastrointestinal

558. Systems Biology - Growth and Development
Fall. 5 credits. ANT 560, ANT 565, PSL 500A, MPH 521, BCH 502, PTH 502.

559. Systems Biology - Reproductive
Fall. 1 credits. ANT 560, ANT 565; PSL 500A; MPH 521; BCH 502; PTH 502.

560. Systems Biology - Musculoskeletal
Summer. 6 credits. ANT 560, ANT 565; PSL 500A; MPH 521; BCH 502; PTH 502.

561. Normal Endocrine Structure and Function
Spring. 3 credits. BCH 502.

562. Comprehensice Patient Evaluation III
Spring. 4 credits. OST 531.

563. Comprehensice Patient Evaluation IV
Fall. 2 to 6 credits. OST 532.

564. Anesthesiology Clerkship
Fall, Winter, Spring, Summer. 4 to 8 credits. Grade P in all courses offered in Terms 1 through 8.

565. Biomechanics
Fall, Winter, Spring, Summer. 6 credits. ANT 560.

566. Orthopedics Clerkship
Fall, Winter, Spring, Summer. 6 to 8 credits. May reenroll for a maximum of 12 credits. Grade P in all courses offered in terms 1 through 8.

567. Systems Biology - Gastrointestinal

568. Anesthesiology Clerkship
Fall, Winter, Spring, Summer. 4 to 8 credits. May reenroll for a maximum of 12 credits. Grade P in all courses offered in terms 1 through 8.

569. Special Problems
Fall, Winter, Spring, Summer. 1 to 8 credits. May reenroll for a maximum of 32 credits. Admission to a college of medicine or approval of department. Each student will work under direction of a faculty member on an experimental, theoretical or applied problem.

570. Subspecialty Clerkship: Child Psychiatry
Fall, Winter, Spring, Summer. 4 to 16 credits. PSC 605. Interdepartmental with and administered by the Department of Psychiatry. Subspecialty experiences in psychiatry in clinical settings with child patients and their families.

571. The Osteopathic Examination I
Winter, Spring. 1(0-4) OST 533 or approval of instructor.

572. Systems Biology - Gastrointestinal

573. Systems Biology - Nervous System
Fall. 10 credits. ANT 563, PSL 500A, PTH 502, BCH 502, PHM 521, MPH 521.

574. Systems Biology - Cardiac System

575. Systems Biology - Respiratory

576. Systems Biology - Urinary
Fall. 7 credits. ANT 560, ANT 565, PSL 500A, MPH 521, BCH 502, PHM 521, PTH 502.

577. Systems Biology - Gastrointestinal

578. Systems Biology - Growth and Development
Fall. 5 credits. ANT 560, ANT 565, PSL 500A, MPH 521, BCH 502, PTH 502.

579. Systems Biology - Reproductive
Fall. 1 credits. ANT 560, ANT 565; PSL 500A; MPH 521; BCH 502; PTH 502.

580. Systems Biology - Musculoskeletal
Summer. 6 credits. ANT 560, ANT 565; PSL 500A; MPH 521; BCH 502; PTH 502.

581. The Osteopathic Examination II
Spring, Summer. 1(0-4) OST 533 or approval of instructor.

582. Systems Biology - Integumentary

583. Systems Biology - Nervous System
Fall. 10 credits. ANT 563, PSL 500A, PTH 502, BCH 502, PHM 521, MPH 521.

584. Systems Biology - Cardiac System

585. Systems Biology - Respiratory

586. The Osteopathic Examination III
Fall, Summer. 1(0-4) OST 533 or approval of instructor.

587. Systems Biology - Gastrointestinal

588. Systems Biology - Growth and Development
Fall. 5 credits. ANT 560, ANT 565, PSL 500A, MPH 521, BCH 502, PTH 502.

589. Systems Biology - Reproductive
Fall. 1 credits. ANT 560, ANT 565; PSL 500A; MPH 521; BCH 502; PTH 502.

590. Special Problems
Fall, Winter, Spring, Summer. 1 to 8 credits. May reenroll for a maximum of 32 credits. Approval of department. Each student will work under direction of a faculty member on an experimental, theoretical or applied problem.

591. Subspecialty Clerkship: Child Psychiatry
Fall, Winter, Spring, Summer. 4 to 16 credits. PSC 605. Interdepartmental with and administered by the Department of Psychiatry. Subspecialty experiences in psychiatry in clinical settings with child patients and their families.