552. Clinical Nurse Specialist Practicum III  
Winter. 3(2-0) N E 581, approval of college.  

553. Clinical Nurse Specialist Practicum IV  
Spring. 3(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 8 credits. May reenroll for a maximum of 15 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 8 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 problem related to primary health care.

OBSTETRICS, GYNECOLOGY AND REPRODUCTIVE BIOLOGY

OGR

College of Human Medicine

608. Obstetrics/Gynecology Clerkship  
Fall, Winter, Spring. 4 to 6 credits. May reenroll for a maximum of 12 credits. N E 584, approval of department.  
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. 4 to 16 credits. May reenroll for a maximum of 16 credits. OGR 568, approval of department and approval of community coordinator.  
Advanced clinical experience in gynecology and/ or obstetrics.

OSTEOPATHIC MEDICINE

O M

College of Osteopathic Medicine

590. Special Problems in Osteopathic Medicine  
Fall, Winter, Spring. 1 to 8 credits. May reenroll for a maximum of 35 credits. Approval of department.  
Each student will work under direction of a faculty member on an experimental, theoretical or applied problem.

OSTEOPATHIC MEDICINE OST  
(COLLEGE OF)

500. Basic Concepts in Biomechanics  
Winter. 2(2-0) 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.

516. Medical Ethics  
Winter. 3(3-0) Interdepartmental with and administered by the College of Human Medicine.  
Analysis and evaluation of the ethical elements of medical decision making. Topics include patient rights, physician responsibilities, euthanasia, informed consent, paternalism, confidentiality, biomedical research, and allocation of scarce resources.

520. Normal Endocrine Structure and Function  
Spring. 3 credits. BCH 502.  
An integrated basic science course presenting a series of lectures and laboratories related to the normal structure and function of the endocrine organs. Prerequisite for studying endocrine diseases in systems biology.

530. Comprehensive Patient Evaluation I  
Fall. 2 to 6 credits. Admission to a college of medicine. ANT 565 or concurrently.  
Interdepartmental course in physical examination skills. Stresses comprehensive, osteopathic evaluation of the patient.

531. Comprehensive Patient Evaluation II  
Winter. 2 to 6 credits. OST 530, ANT 565.  
Continuation of OST 530.

532. Comprehensive Patient Evaluation III  
Spring. 4 credits. OST 531.  
Interdepartmental course in physical examination skills. Stresses application of comprehensive, osteopathic evaluation of the patient. Introduction to office procedures and physical diagnosis.

533. Comprehensive Patient Evaluation IV  
Fall. 2 to 6 credits. OST 532.  
Interdepartmental course in physical examination skills. Stresses comprehensive, osteopathic evaluation of the patient. Includes preceptorship and appropriate systems biology clinical experiences.

552. Systems Biology - Integumentary  
Summer. 2 credits. ANT 560, ANT 565, PHL 490, MPH 202, BCH 502, PIM 521, FTH 502.  
A multidisciplinary approach to the integumentary system providing a functional integration of basic science and clinical information.

553. Systems Biology - Nervous System  
Fall. 10 credits. ANT 563, PSL 490A, MPH 202, BCH 502, PIM 521, FTH 502.  
A multidisciplinary approach to the nervous system providing a functional integration of basic science and clinical information.

554. Systems Biology - Cardiovascular  
A multidisciplinary approach to the cardiovascular system providing functional integration of basic science and clinical information.