

**545. Track II Focal Problem**

Fall, Winter, Spring. 5(5-0) H M 541 or approval of college. Students may not receive credit in both H M 512 and H M 545, H M 546, H M 547.

Clinical problems around which basic science content is studied and approaches to problem-solving explored in combined small group, self-instructional format.

**546. Track II Focal Problem**

Fall, Winter, Spring. 5(5-0) H M 545 or approval of college. Students may not receive credit in both H M 512 and H M 545, H M 546, H M 547.

Clinical problems around which basic science content is studied and approaches to problem-solving explored in combined small group, self-instructional format.

**547. Track II Focal Problem**

Fall, Winter, Spring. 5(5-0) H M 546 or approval of college. Students may not receive credit in both H M 512 and H M 545, H M 546, H M 547.

Clinical problems around which basic science content is studied and approaches to problem-solving explored in combined small group, self-instructional format.

**550. Track II Focal Problem**

Fall, Winter, Spring. 5(5-0) H M 547 or approval of college. Students may not receive credit in both H M 513 and H M 550, H M 551, H M 552.

Clinical problems around which basic science content is studied and approaches to problem-solving explored in combined small group, self-instructional format.

**551. Track II Focal Problem**

Fall, Winter, Spring. 5(5-0) H M 550 or approval of college. Students may not receive credit in both H M 513 and H M 550, H M 551, H M 552.

Clinical problems around which basic science content is studied and approaches to problem-solving explored in combined small group, self-instructional format.

**552. Track II Focal Problem**

Fall, Winter, Spring. 5(5-0) H M 551 or approval of college. Students may not receive credit in both H M 513 and H M 550, H M 551, H M 552.

Clinical problems around which basic science content is studied and approaches to problem-solving explored in combined small group, self-instructional format.

**555. Track II Focal Problem**

Fall, Winter, Spring. 5(5-0) H M 552 or approval of college. Students may not receive credit in both H M 514 and H M 555, H M 560, H M 561.

Clinical problems around which basic science content is studied and approaches to problem-solving explored in combined small group, self-instructional format.

**560. Track II Focal Problem**

Fall, Winter, Spring. 5(5-0) H M 555 or approval of college. Students may not receive credit in both H M 514 and H M 555, H M 560, H M 561.

Clinical problems around which basic science content is studied and approaches to problem-solving explored in combined small group, self-instructional format.

**561. Track II Focal Problem**

Fall, Winter, Spring. 5(5-0) H M 560 or approval of college. Students may not receive credit in both H M 514 and H M 555, H M 560, H M 561.

Clinical problems around which basic science content is studied and approaches to problem-solving explored in combined small group, self-instructional format.

**565. Track II Focal Problem**

Fall, Winter, Spring. 5(5-0) H M 561 or approval of college. Students may not receive credit in both H M 515 and H M 565, H M 566, H M 567.

Clinical problems around which basic science content is studied and approaches to problem-solving explored in combined small group, self-instructional format.

**566. Track II Focal Problem**

Fall, Winter, Spring. 5(5-0) H M 565 or approval of college. Students may not receive credit in both H M 515 and H M 565, H M 566, H M 567.

Clinical problems around which basic science content is studied and approaches to problem-solving explored in combined small group, self-instructional format.

**567. Track II Focal Problem**

Fall, Winter, Spring. 5(5-0) H M 566 or approval of college. Students may not receive credit in both H M 515 and H M 565, H M 566, H M 567.

Clinical problems around which basic science content is studied and approaches to problem-solving explored in combined small group, self-instructional format.

**590. Special Problems in Human Medicine**

Fall, Winter, Spring, Summer. 1 to 6 credits. May reenroll for a maximum of 12 credits. Human Medicine students or approval of college.

Students will work under direction of a faculty member on an experimental, theoretical or applied problem. Students should employ the college-level course rather than departmental-level special problems courses, when their topics of interest require a broad multidisciplinary approach.

**604. Hospital Care Clerkship**

Fall, Winter, Spring, Summer. 16(0-16) Must reenroll for a total of 32 credits. H M 602.

Longitudinal, inpatient exposure to severe hospital and consultative care problems. Patient management stressed. Fulfills departmental clerkship objectives (when combined with H M 605). Conducted in Marquette, Michigan.

**605. Comprehensive Care Clerkship**

Fall, Winter, Spring, Summer. 16(0-16) Must reenroll for a total of 32 credits. H M 602.

Comprehensive, longitudinal, ambulatory exposure to skills, problems, and content of primary disciplines of medical training. Fulfills departmental objective (when combined with H M 604) for required clerkships. Conducted in Escanaba, Michigan.

**608. Sub-Specialty Clerkships**

Fall, Winter, Spring, Summer. 1 to 17 credits. May reenroll for a maximum of 41 credits. H M 602.

Hospital and office based clinical experiences in sub-specialties in medicine and surgery.

**609. Pre-Intern Clerkship**

Fall, Winter, Spring, Summer. 12 credits. May reenroll for a maximum of 48 credits. Successful completion of required clerkships; approval of instructor.

Patient care responsibilities similar to internship, under close faculty and resident supervision, in a community hospital.

**HUMAN NUTRITION AND FOODS**

See Food Science and Human Nutrition.

**IMPROVEMENT SERVICE**

**IS**

**College of Natural Science**

**1941. Quantitative Techniques**

Fall, Winter. 2(2-0) Proficiency test referral or approval of department. Credits earned in this course are included in computation of GPA and MAPS but are not included in the 180 credits required for graduation.

Number system; rounding and estimating; fractions; decimals; percent; equations; formulas; direct and inverse proportion, including graphs; problem solving or applications; multiplication and division by powers of ten and their multiples; scientific notation; metric system conversions; bases other than ten.

**INTERDISCIPLINARY COURSES**

**IDC**

**All University**

**233. Introduction to Women's Studies: Women's Consciousness**

Winter, Spring. 4(4-0) Interdisciplinary with the colleges of Arts and Letters and Social Science. Administered by the College of Arts and Letters.

Development of women's consciousness in various historical, cross-cultural and scientific contexts. Contexts basic to feminist thought are clarified. Critique of sexism in traditional scholarship.

Approved through Summer 1986.

**257. Contemporary Japan**

(384.) Winter. 4(4-0) Interdisciplinary with James Madison College and the departments of Anthropology, Geography, and History. Administered by the Department of Anthropology.

Contemporary Japanese society, governmental institutions and policies, religion and culture, foreign relations, industry, agriculture, management. Japanese social stability and economic development since World War II.

Approved through Winter 1987.