

HUMAN MEDICINE **HM**

College of Human Medicine

501 Preceptorship Training
 Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 24 credits in all enrollments for this course. Interdepartmental with Family Practice. Administered by Human Medicine. RB: One year of graduate-professional program in College of Human Medicine.

Field experience in primary care.

511 Infectious Disease and Immunology
 Fall. 3 credits. RB: Not open to first year students. R: Open only to graduate-professional students in College of Human Medicine.

Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

513 Neurological Domain
 Fall. 3(3-0) RB: Not open to first year students. R: Open to graduate-professional students in the College of Human Medicine.

Basic sciences applied to clinically relevant situations. Problem-based learning small group experiences.

515 Cardiovascular Domain
 Spring. 4(4-0) RB: Not open to first year students. R: Open to graduate-professional students in the College of Human Medicine.

Basic sciences applied to clinically relevant situations. Problem-based learning small group experiences.

516 Disorders of Thought, Emotion, and Behavior Domain
 Fall. 4(4-0) RB: Not open to first year students. R: Open to graduate-professional students in the College of Human Medicine.

Basic science applied to clinically relevant situations. Problem-based learning small group experiences.

517 Musculoskeletal Domain
 Fall. 2(2-0) RB: Not open to first year students. R: Open to graduate-professional students in the College of Human Medicine.

Basic science applied to patient cases. Problem-based learning small group teaching.

525 Pulmonary Domain
 Spring. 3(3-0) RB: Not open to first year students. R: Open to graduate-professional students in the College of Human Medicine.

Basic sciences applied to clinically relevant situations. Problem-based learning small group experiences.

526 Urinary Tract Domain
 Spring. 3(3-0) RB: Not open to first year students. R: Open to graduate-professional students in the College of Human Medicine.

Basic sciences applied to clinically relevant situations. Problem-based learning small group experiences.

527 Digestive Domain
 Spring. 3 credits. RB: Block I. Not open to first year students. R: Open only to graduate-professional students in College of Human Medicine.

Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

528 Metabolic and Endocrine and Reproductive Domain
 Spring. 3 credits. RB: Block I. Not open to first year students. R: Open only to graduate-professional students in College of Human medicine.

Basic sciences applied to clinically relevant situations. Problem-based small group experiences.

531 Clinical Skills I
 Fall. 2(1-2) R: Open only to graduate-professional students in the College of Human Medicine.

Basic principles of doctor-patient relationship, core interviewing techniques. Exposure to clinical arena.

532 Clinical Skills II
 Spring. 2(1-2) RB: HM 531 R: Open only to graduate-professional students in the College of Human Medicine.

Adult screening physical examination and its integration with data-gathering skills.

533 Clinical Skills III
 Summer. 1(1-2) RB: HM 532 R: Open only to graduate-professional students in the College of Human Medicine.

Age specific screening examinations and integration with data-gathering skills.

534 Clinical Skills IV
 Fall. 2(1-2) RB: HM 533 R: Open only to graduate-professional students in College of Human Medicine.

Advanced interviewing and physical examination skills. Communication of patient-related data with the patient and other health professionals, orally and in writing. Problem solving.

535 Clinical Skills V
 Spring, Summer. 2(1-2) RB: HM 535 R: Open only to graduate-professional students in College of Human Medicine.

Advanced interviewing and physical examination skills. Oral case presentations and written medical records. Introductory problem solving skills.

537 Topics in Reproductive Health
 Fall. 1(1-0) R: Open only to graduate-professional students in the College of Human Medicine, the College of Osteopathic Medicine, and to graduate students in the College of Nursing.

Pre-clinical focus on topics of reproductive health.

539 Hematopoietic/Neoplasia Domain
 Fall. 4(4-0) RB: Not open to first year students. R: Open to graduate-professional students in the College of Human Medicine.

Learn and apply advanced concepts of the basic sciences to clinically relevant situations. Problem-based learning small group experiences.

540 Emergency Medicine for Preclinical Medical Students

Fall, Spring, Summer. 1(2-15) A student may earn a maximum of 2 credits in all enrollments for this course. RB: ANTR 551 and (HM 531 and OST 501)

A precepting experience in the principles of emergency care in the hospital.

543 Human Development and Behavior in Society
 Summer. 2(2-0) R: Open to graduate-professional students in the College of Human Medicine.

Social science basis of medicine including social and cultural influences on health and behavior. Overview of normal growth and development throughout the life span.

546 The Social Context of Clinical Decisions
 Fall. 1(1-0) RB: Completion of Block I requirements. R: Open only to graduate-professional students in College of Human Medicine.

Social perspectives on medicine and medical care.

547 The Social Context of Clinical Decisions II
 Spring. 2(2-0) RB: HM 546 R: Open only to graduate-professional students in College of Human Medicine.

Issues and concepts related to social and professional responsibilities of physicians.

548 Medical Humanities Seminar
 Spring. 2(2-0) RB: HM 547 R: Open only to graduate-professional students in College of Human Medicine.

Issues related to the humanities and human values pertinent to medical practice.

550 International Law and Ethics of Human Subject Research
 Fall. 2(2-0) R: Open to graduate students or graduate-professional students or approval of department.

Interdisciplinary understanding of the substance and interrelationships of international law and ethics in protecting human subjects of biomedical and behavioral research.

551 U.S. Law and Ethics of Human Subject Research
 Spring. 2(2-0) R: Open to graduate students or graduate-professional students or approval of department.

Interdisciplinary understanding of the substance and interrelationships of U.S. law and ethics in protecting human subjects of biomedical and behavioral research.

561 Basic Principles of Pathology
 Spring. 2 credits. Interdepartmental with Osteopathic Medicine. Administered by Human Medicine. R: Open only to graduate-professional students in the colleges of Human and Osteopathic Medicine. SA: PTH 542

Fundamental pathologic processes. Clinical applications.

571 Integrative Clinical Correlations I
 Fall. 2(2-0) RB: (ANT 551 or concurrently) and (BMB 521 or concurrently) and (PSL 501 or concurrently) R: Open only to graduate-professional students in the College of Human Medicine.

Correlation of the principles of the basic biological and behavioral sciences with disciplines of clinical medicine using case presentations.

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- 572 Integrative Clinical Correlations II**
Spring. 1(1-0) RB: (HM 571 or concurrently) and (ANTR 552 or concurrently) and (ANTR 562 or concurrently) and (PTH 542 or concurrently) R: Open only to graduate-professional students in the College of Human Medicine.
Correlation of the principles of the basic biological and behavioral sciences within the disciplines of clinical medicine using case presentations.
- 573 Integrative Clinical Correlations III**
Summer. 1(2-0) RB: (HM 543 or concurrently) and (HM 572 or concurrently) and (PHD 523 or concurrently) and (PHM 563 or concurrently) and (RAD 553 or concurrently) R: Open only to graduate-professional students in the College of Human Medicine.
Correlation of the principles of the basic biological and behavioral sciences with the disciplines of clinical medicine using case presentations.
- 581 Mentor Program**
Fall. 1(0-2) R: Open only to graduate-professional students in the College of Human Medicine.
Dimensions of being a physician. Performance skills needed for patient care and interaction with medical workers. Current trends.
- 582 Mentor Program Year II**
Fall, Spring, Summer. 1(0-2) A student may earn a maximum of 2 credits in all enrollments for this course. R: Open only to graduate-professional students in College of Human Medicine.
Continuing exploration of the dimensions of being a physician. Professional skills needed to interact with patients and medical workers. Current trends.
- 591 Special Problems in Human Medicine**
Fall, Spring, Summer. 1 to 34 credits. A student may earn a maximum of 36 credits in all enrollments for this course. R: Open only to graduate-professional students in the College of Human Medicine.
Work under the direction of a faculty member on an experimental, theoretical, or applied problem that requires a broad, interdisciplinary approach.
- 608 Sub-Specialty Clerkships**
Fall, Spring, Summer. 4 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. RB: FMP 602 R: Open only to graduate-professional students in College of Human Medicine.
Hospital-and office-based clinical experiences in sub-specialties in medicine and surgery.
- 609 Laboratory Medicine Clerkship**
Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 16 credits in all enrollments for this course. Interdepartmental with Osteopathic Medicine. Administered by Human Medicine. R: Open only to graduate-professional students in College of Human Medicine or Osteopathic Medicine. SA: PTH 609
Laboratory procedures. Correlation of laboratory data with morphologic abnormalities in patients with pathophysiology.
- 610 Pathology Clerkship**
Fall, Spring, Summer. 1 to 8 credits. A student may earn a maximum of 12 credits in all enrollments for this course. Interdepartmental with Osteopathic Medicine. Administered by Human Medicine. R: Open only to graduate-professional students in College of Human Medicine or Osteopathic Medicine. SA: PTH 608
Anatomic and clinical pathology with emphasis on clinical-pathological correlation. Conducted in pathology departments of affiliated hospitals.
- 621 Planning for Leadership in Medicine for Underserved or Vulnerable Communities**
Spring. 6 credits. P: PHD 600 and MED 608 and FMP 608 R: Open to graduate-professional students in the College of Human Medicine. Approval of college.
Interaction with various clinical, anthropologic, public health professionals, and community leaders in preparation for a month rotation in an underserved or vulnerable clinical setting.
- 630 Emergency Medicine Clerkship**
Fall, Spring, Summer. 2 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. RB: MED 608 R: Open only to graduate-professional students in the College of Human Medicine.
Clinical diagnosis and treatment of emergencies seen in community emergency departments.
- 635 Core Competencies I**
Fall, Spring, Summer. 2(2-0) A student may earn a maximum of 6 credits in all enrollments for this course. Interdepartmental with Family Practice and Medicine and Pediatrics and Human Development. Administered by Human Medicine. R: Open only to graduate-professional students in College of Human Medicine.
Core knowledge and skills from an interdisciplinary perspective.
- 636 Core Competencies II**
Fall, Spring, Summer. 2(2-0) A student may earn a maximum of 6 credits in all enrollments for this course. Interdepartmental with Family Practice and Medicine. Administered by Human Medicine. R: Open only to graduate-professional students in College of Human Medicine.
Core knowledge and skills from an interdisciplinary perspective.
- 637 Core Competencies III**
Fall, Spring, Summer. 2(2-0) A student may earn a maximum of 6 credits in all enrollments for this course. Interdepartmental with Family Practice and Medicine and Obstetrics, Gynecology and Reproductive Biology and Pediatrics and Human Development and Surgery. Administered by Human Medicine. R: Open only to graduate-professional students in College of Human Medicine.
Core knowledge and skills from an interdisciplinary perspective.
- 691 Research Clerkship**
Fall, Spring, Summer. 2 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course. RB: (HM 690) or approval of community research director. R: Open only to graduate-professional students in the College of Human Medicine.
Biological, behavioral, or clinical research project.
- 801 Introduction to Public Health**
Fall. 3(3-0) RB: Academic or professional background in public health or public health-related discipline. R: Open to masters students in the Public Health major or in the Public Health Specialization.
Philosophy and concepts of the discipline of public health. History and development of the profession. Ethical, legal and political considerations. Provide first introduction to core public health areas.
- 802 Biostatistics for Public Health**
Fall. 3(3-0) RB: Academic or professional background in public health or public health-related discipline, undergraduate level math or statistics course work. R: Open to masters students in the Public Health major or in the Public Health Specialization.
Data management, analysis and presentation of public health data. Techniques and methods for calculating population-based statistics. Instruction using Epi-Info software package.
- 803 Epidemiology and Public Health**
Fall. 3(3-0) RB: Academic or professional background in public health or public health-related discipline, undergraduate level math or statistics course work. R: Open to masters students in the Public Health major or in the Public Health Specialization. Not open to students with credit in EPI 810 or EPI 811.
Distributions and determinants of disease in population. Epidemiologic research, quantitative methods, study designs pros/cons.
- 804 Public Health Administration**
Spring. 3(3-0) RB: Academic or professional background in public health or public health-related discipline, undergraduate level math or statistics course work. R: Open to masters students in the Public Health major or in the Public Health Specialization.
Planning, organization, administration, management, evaluation and policy analysis of public health. Legal and ethical considerations of public health.
- 805 Social and Behavioral Aspects of Public Health**
Spring. 3(3-0) RB: Academic or professional background in public health or public health-related discipline, undergraduate level math or statistics course work. R: Open to masters students in the Public Health major or in the Public Health Specialization.
Concepts and methods of social and behavioral sciences applied to public health problems and issues.
- 806 Environmental Factors of Health**
Spring. 3(3-0) RB: Academic or professional background in public health or public health-related discipline, undergraduate level math or statistics course work. R: Open to masters students in the Public Health major or in the Public Health Specialization.
Biological, physical and chemical factors that affect health of populations. Regulatory approaches to environmental hazards. Potential impact of environmental agents on health and preventive management approaches.
- 820 Humanistic and Social Perspectives on Health**
Fall. 3(3-0) R: Open only to students in the M.A. program in Bioethics, Humanities, and Society SA: AL 820
Multidisciplinary perspectives on health care and medicine. Linkages among the humanities, social sciences and the sciences.

890 Independent Study in Bioethics

Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to masters students in the Bioethics, Humanities, and Society major. Approval of department. Special projects, directed readings, and research arranged by an individual graduate student and a faculty member in areas supplementing regular course offerings.

891 Introduction to Public Health Practicum

Fall, Spring, Summer. 1(1-0) P: HM 801 RB: Academic or professional background in public health or public health-related discipline, undergraduate level math or statistics course work. R: Open to masters students in the Public Health major. Preparatory work for practicum placement. Special projects arranged by an individual student and faculty member in areas supporting practicum placement.

892 Public Health Practicum

Fall, Spring, Summer. 1 to 5 credits. A student may earn a maximum of 5 credits in all enrollments for this course. P: HM 801 and HM 891 RB: Academic or professional background in public health or public health-related discipline, undergraduate level math or statistics course work. R: Open to masters students in the Public Health major. Professional internship.

894 Practicum in Bioethics

Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. RB: HM 820 R: Open to masters students in the Bioethics, Humanities, and Society major. Approval of department. Observations, participation, and study of ethical and policy issues in selected health, research, or governmental settings.

898 Master's Research

Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. R: Open only to students in the M.A. program in Bioethics, Humanities, and Society. Directed research in support of master's program requirements.

899 Master's Thesis Research

Fall, Spring, Summer. 1 to 9 credits. A student may earn a maximum of 12 credits in all enrollments for this course. Master's thesis research.