**Medicine, Health, and Society**

**DIRECTOR** Jonathan M. Metzl  
**ASSISTANT DIRECTOR** JuliLeigh Petty  
**DIRECTOR OF UNDERGRADUATE STUDIES** Courtney S. Peterson  
**DIRECTOR OF GRADUATE STUDIES** JuliLeigh Petty  
**DIRECTOR OF ADVISING** Courtney S. Peterson  
**DIRECTOR OF EVALUATION** JuliLeigh Petty  
**PROFESSORS** Derek Griffith, Jonathan M. Metzl, Hector Myers  
**ASSOCIATE PROFESSORS** Dominique Bénague, Martha W. Jones, Lijun Song, Laura Stark  
**ASSISTANT PROFESSORS** Lauren Gaydosh, Aimi Hammaideh, Kenneth MacLeish, Tara McKay  
**SENIOR LECTURERS** Celina Callahan-Kapoor, Odio Lindsey, Courtney S. Peterson, JuliLeigh Petty, Kym Weed

**Affiliated Faculty**  
**PROFESSORS** Kathryn Anderson (Economics), Victor Anderson (Christian Ethics), David Aronoff (Medicine), Gregory Barz (E electromusicology), Michael Bess (History), James Blumenstein (Health Law and Policy), Frank Boehm (Obstetrics and Gynecology), Peter Buerhaus (Nursing), Christopher Carpenter (Economics), C. André Christie-Miziel (Sociology), Larry Churchill (Medicine), Elen Clayton (Pediatrics and Law), Jay Clayton (English), Charles Cobo (Molecular Physiology and Physics), Bruce Campos (Psychology and Human Development), Katherine Crawford (History), Kate Daniels (English), Dennis Dickerson (History), Edward Fisher (Anthropology), Lenn Goodman (Philosophy), Douglas Heimburger (Medicine), Joni Herson (Law and Economics), David Hess (Sociology), Kathleen Hoover-Dempsey (Psychology and Human Development), Carl Johnson (Biological Sciences), Cincy Karm (Political Science), John Lachs (Philosophy), Jane Landers (History), Jana Lauderdale (Nursing), Pat Levitt (Pharmacology), Terry A. Maroney (Law), Richard McCarry (Psychology), Melissa McSheeters (Health Policy), Timothy McNamara (Psychology), Veena McBride Muny (Human and Organizational Development), Linda Norman (Nursing), Russell Rothman (Medicine), Sharon Shields (Human and Organizational Development), John Temple (Surgery), Benigno Trigo (Spanish), Arleen Tuchman (History), Holly Tucker (French), Bart Victor (Organization Studies), Kip Viscusi (Law and Economics), Lynn Walker (Pediatrics and Psychology and Human Development), Kenneth Walsen (Nursing and Psychology), David W. Wright (Chemistry), Laurence Zwiwel (Biological Sciences)

**ASSOCIATE PROFESSORS** Muktar Aliyu (Health Policy and Medicine), Laura Carpenter (Sociology), Beth Conkin (Anthropology), Julian F. Hiller (Biological Sciences), Sarah Igo (History), Hala Johnson (Nursing), Melanie Lutenbacher (Nursing), Iheoma Nwanwko (English), Evelyn Patterson (Sociology), Scott Pearson (Surgery), Louise Pollins-Smith (Nursing), Ruth Rogaski (History), Norbert Russ (Anthropology), David Schlindt (Psychology), Phillips Sheppard (Religion), Tiffiny Tang (Anthropology), Timothy J. Vogus (Management and Organization Studies)

**ASSISTANT PROFESSORS** Carolyn Audet (Preventive Medicine), Ian Campbell (Clinical Medicine), Joseph B. Fanning (Medicine), Gilbert Gonzales (Health Policy), Ebony McGee (Education), Troy Moon (Pediatric infectious Disease), Sayeh Nikpay (Health Policy), Kevin T. Szele (Biomedical Engineering)

**SENIOR LECTURERS** Lorraine Catanzaro (Spanish), Nathalie Porter (French), Jamie Pope (Nursing), Elisabeth H. Sandberg (Psychology)

**THE Program in Medicine, Health, and Society offers an interdisciplinary major (36 credit hours) and minor (18 credit hours) for students interested in studying health-related beliefs and practices in their social and cultural contexts. As part of the requirements of the major, students must declare and complete 12 credit hours in one of the six concentrations in Medicine, Health, and Society: global health; health behaviors and health sciences; health economics and policy; inequality, intersectionality, and health justice; medicine, humanitaries, and arts; or critical health studies. An honors program is available. MHS draws on a variety of fields in the social sciences and humanities—anthropology, economics, history, literature, philosophy/ethics, psychology, sociology, and religious studies. The major will be of particular interest to students preparing for careers in health-related professions as well as to students interested in examining an important part of human experience from multiple perspectives and developing a critical understanding of contemporary society. Students are encouraged to take advantage of the opportunities offered by the Center for Medicine, Health, and Society. Visit vanderbilt.edu/mhs for more details.**

The program is directed by Jonathan M. Metzl, Frederick B. Rentschler II Professor of Sociology and Medicine, Health, and Society.

**NOTE:** New course numbers took effect in fall 2015. Former course numbers are included in course descriptions in this catalog and at this website: registrar.vanderbilt.edu/faculty/course-renumbering/course-lookup/.

**Program of Concentration in Medicine, Health, and Society**

The major requires a minimum of 36 credit hours of course work, distributed as follows:

**Note:** No more than 21 credit hours may be in courses designated MHS. Other than MHS, no more than 12 credit hours may be in the same subject area; A&S Psychology and Peabody Psychology are considered the same subject area for purposes of the major/minor.

1. **Core Courses** — Students must complete one of the following (3 credit hours):
   - MHS 1820, Politics of Health
   - MHS 1930, Social Dimensions of Health and Illness
MHS 1940, Racial and Ethnic Health Disparities  
MHS 1950, Theories of the Body  
MHS 2110, American Medicine in the World  
MHS 2230, Masculinity and Men's Health

2. Concentration — Students must complete four courses not used to satisfy the core course requirement or the elective requirements in one of the following six concentrations (12 credit hours). Students must declare one of the following concentrations when they declare the major.

   Note: Courses must be from at least two subject areas.
   - Global health
   - Health policies and economies
   - Health behaviors and health sciences
   - Inequality, intersectionality, and health justice
   - Medicine, humanities, and arts
   - Critical health studies

See below for a list of courses that count for Concentrations A, B, C, D, E and F. Students choosing concentration F must propose a set of four courses (12 credit hours) that form a coherent program of study related to critical health studies and receive approval from the director of undergraduate studies.

3. Electives — Seven courses not used to satisfy the core course or concentration requirements chosen from the list of approved courses (21 credit hours).

4. Disciplinary Requirement — At least 3 credit hours from the following courses must be used to satisfy the concentration requirement or electives requirement.
   - ANTH 3143, Medical Anthropology
   - ANTH 3141, Anthropology of Healing
   - ECON 2350, Health Care Policy
   - ECON 3350, Economics of Health
   - HIST 2800, Modern Medicine
   - MHS 3050 W, Medicine and Literature
   - PHIL 1008, 1008W, Introduction to Medical Ethics
   - PHIL 3608, Ethics and Medicine
   - PSY 3635, Health Psychology
   - SOC 3301, Society and Medicine
   - SOC 3304, Race, Gender, and Health
   - WGS 2240, Introduction to Women's Health

In order to graduate with a major in MHS, students must take a written exam in the second semester of their senior year. (Students who are away during the second semester of their senior year because they are studying abroad or graduating early should schedule the exam during the first semester.) The exam is not graded and no grade will appear on the student’s transcript. The purpose of the exam is to ascertain the extent to which MHS majors demonstrate knowledge of the MHS curriculum.

Honors Program
The Honors Program in Medicine, Health, and Society offers superior students a more intensive concentration within their major field. Admission to the program requires:

1. A 3.3 cumulative grade point average.
2. A 3.3 cumulative grade point average in courses that count toward the Medicine, Health, and Society major.
3. An application that (a) describes the proposed topic; (b) identifies the faculty member who will serve as the thesis adviser; and (c) includes a letter of recommendation from the proposed thesis adviser.

Completion of the program requires:

1. Two semesters, 3 credit hours each semester of the senior year in MHS 4998/4999.
2. An honors thesis of approximately fifty pages that reveals an interdisciplinary perspective, submitted no later than two weeks before the first day of final exams in the second semester of the senior year, and approved by a committee of at least two faculty members (one of whom must have their primary appointment in Medicine, Health, and Society).
3. Successful completion of an oral examination focusing on the topic of the thesis.

Minor in Medicine, Health, and Society
The minor consists of a minimum of 18 credit hours of course work, distributed as follows:

   Note: No more than 9 credit hours may be in the same subject area; A&S Psychology and Peabody Psychology are considered the same subject area for purposes of the major/minor.

1. Core Courses — Students must complete one of the core courses of the major (3 credit hours).

2. Concentration — Students must complete three courses in one of the following five concentrations (9 credit hours). Students must declare one of the following concentrations when they declare the minor.
   - Global health
   - Health policies and economies
   - Health behaviors and health sciences
   - Inequality, intersectionality, and health justice
   - Medicine, humanities, and arts

3. Electives — Two additional courses, excluding those with an asterisk, chosen from the list of approved courses. (6 credit hours)

4. Disciplinary Requirement — At least 3 credit hours from the following courses must be used to satisfy the concentration requirement or electives requirement.
   - ANTH 3143, Medical Anthropology
   - ANTH 3141, Anthropology of Healing
   - ECON 2350, Health Care Policy
   - ECON 3350, Economics of Health
   - HIST 2800, Modern Medicine
   - MHS 3050 W, Medicine and Literature
   - PHIL 1008, 1008W, Introduction to Medical Ethics
   - PHIL 3608, Ethics and Medicine
   - PSY 3635, Health Psychology
   - SOC 3301, Society and Medicine
   - SOC 3304, Race, Gender, and Health
   - WGS 2240, Introduction to Women's Health

Approved Courses
(Please consult the director of undergraduate studies for approval of “as appropriate” courses in concentration areas.)

CONCENTRATION A: Global Health
AMERICAN STUDIES: 3200, Global Perspectives on the U.S.
ANTHROPOLOGY: 1111, First-Year Writing Seminar (as appropriate); 2113W, Food, Identity, and Culture; 3122, The Anthropology of Globalization; 3138 Global Food Politics; 3143, Medical Anthropology.
ASIAN STUDIES: 2630, Chinese Medicine.

BIOLOGICAL SCIENCES: 1111, First-Year Writing Seminar (as appropriate); 3965, Undergraduate Seminar (as appropriate).

FRENCH: 3112, Medical French in Intercultural Contexts.

HISTORY: 1111, First-Year Writing Seminar (as appropriate); 2160, Medicine in Islam.

HUMAN AND ORGANIZATIONAL DEVELOPMENT (PEABODY): 3200, Global Dimensions of Community Development; 3231, Introduction to Health Services.

INTERDISCIPLINARY STUDIES: 3831, Global Citizenship and Service; 3832, Global Community Service; 3833, Seminar in Global Citizenship and Service (as appropriate).

MEDICINE, HEALTH, AND SOCIETY: 2110, American Medicine and the World; 2310, Chinese Society and Medicine; 2410, HIV/AIDS in the Global Community; 2420, Economic Demography and Global Health; 2610, Global Health Crises; 2940, Race, Citizenship, and Health; 3000, Undergraduate Seminar (as appropriate); 3010, Perspectives on Global Public Health; 3110, Global Health and Social Justice; 3310, Healthcare in France and the U.S.; 3890, Special Topics (as appropriate); 4010, Psychiatry, Culture, and Globalization.

POLITICAL SCIENCE: 1111, First-Year Writing Seminar (as appropriate); 2215, Change in Developing Countries; 2236, The Politics of Global Inequality; 3893, Selected Topics in American Government (as appropriate); 3894, Selected Topics in Comparative Politics (as appropriate).

SOCIOLOGY: 1111, First-Year Writing Seminar (as appropriate); 3314, Environmental Inequality and Justice; 3321, Population and Society.

SPANISH: 3830, Spanish for the Medical Profession; 4760, Literature and Medicine.

WOMEN'S AND GENDER STUDIES: 1111, First-Year Writing Seminar (as appropriate); 2267, Seminar on Gender and Violence; 3201, Women and Gender in Transnational Context.

CONCENTRATION B: Health Policies and Economies

ANTHROPOLOGY: 1111, First-Year Writing Seminar (as appropriate); 2109, Food Politics in America; 3144, Politics of Reproductive Health; 3890, Special Topics (as appropriate).

ECONOMICS: 1010, Principles of Macroeconomics; 1020, Principles of Microeconomics; 1111, First-Year Writing Seminar (as appropriate); 1500, Economic Statistics; 1510, Intensive Economic Statistics; 2350, Health Care Policy; 3050, Introduction to Econometrics; 3350, Economics of Health.

HISTORY: 1111, First-Year Writing Seminar (as appropriate); 2800, Modern Medicine.

HUMAN AND ORGANIZATIONAL DEVELOPMENT (PEABODY): 3231, Introduction to Health Services; 3241, Introduction to Health Policy; 3331, Managing Health Care Organizations; 3205, Policy Analysis Methods.

MEDICINE, HEALTH, AND SOCIETY: 1920, Politics of Health; 2120, Health Social Movements; 2250, Autism in Context; 2320, Medicine, Law, and Society; 2420, Economic Demography and Global Health; 2920, Medicine on Trial; 3000, Undergraduate Seminar (as appropriate); 3320, Introduction to U.S. Health Care Policy; 3890, Special Topics (as appropriate).

PHILOSOPHY: 1008, 1008W, Introduction to Medical Ethics; 1111, First-Year Writing Seminar (as appropriate); 3608, Ethics and Medicine.

POLITICAL SCIENCE: 1111, First-Year Writing Seminar (as appropriate); 2236, The Politics of Global Inequality; 2270, Conducting Political Research; 3893, Selected Topics in American Government (as appropriate); 3894, Selected Topics in Comparative Politics (as appropriate).

SOCIOMETRY: 1111, First-Year Writing Seminar (as appropriate); 3302, Poverty, Health, and Politics; 3314, Environmental Inequality and Justice; 4961, Seminars in Selected Topics (as appropriate).

WOMEN’S AND GENDER STUDIES: 1111, First-Year Writing Seminar (as appropriate).


CONCENTRATION C: Health Behavior and Health Sciences

ANTHROPOLOGY: 1111, First-Year Writing Seminar (as appropriate); 2227, Food in the Ancient World; 3344, Genetic Anthropology Lab Techniques; 3345, Genetics in Society; 3546, Human Adaptation and Disease; 4961, Seminars in Selected Topics (as appropriate); 4345, Human Evolutionary Genetics.

BIOLOGICAL SCIENCES: 1105, Human Biology; 1111, First-Year Writing Seminar (as appropriate); 3243 Genetics of Disease; 3245, Biology of Cancer; 3254, Neurobiology of Behavior; 3270, Statistical Methods in Biology; 3965, Undergraduate Seminar (as appropriate).

BIOMEDICAL ENGINEERING: 3200, Analysis of Biomedical Data.

HUMAN AND ORGANIZATIONAL DEVELOPMENT (PEABODY): 3221, Health Service Delivery to Diverse Populations; 3311, Introduction to Health Promotion.

MEDICINE, HEALTH, AND SOCIETY: 1930, Social Dimensions of Health and Illness; 1940, Racial and Ethnic Health Disparities; 2120, Health Social Movements; 2330, Men's Health Research and Policy; 2430, Social Capital and Health; 2950, Healing Animals; 3000, Undergraduate Seminar (as appropriate); 3030, Community Health Research; 3450, Mental Illness Narratives; 3890, Special Topics (as appropriate).

NEUROSCIENCE: 2201, Neuroscience; 3235, Biological Basis of Mental Disorders.


SOCIOLOGY: 1010, 1010W, Introduction to Sociology; 1020, 1020W, Contemporary Social Issues; 1111, First-Year Writing Seminar (as appropriate); 2100, Statistics for Social Scientists; 3000, Research to Social Research; 3003, Research Practicum; 3301, Society and Medicine; 3303, Social Dynamics of Mental Health; 4961, Seminars in Selected Topics (as appropriate). *Only one of SOC 1010 or 1020 may be counted towards the major or minor.

WOMEN'S AND GENDER STUDIES: 1111, First-Year Writing Seminar (as appropriate); 2240, Introduction to Women's Health.

CONCENTRATION D: Inequality, Intersectionality, and Health Justice

AFRICAN AMERICAN AND DIASPORA STUDIES: 1016, Race Matters; 1111, First-Year Writing Seminar (as appropriate); 3144, Black Masculinity: Social Imagery and Public Policy.

ANTHROPOLOGY: 1111, First-Year Writing Seminar (as appropriate); 2342, Sociology of Inequality; 3120, Sociocultural Field Methods (as appropriate); 3144, Politics of Reproductive Health; 3343, Biology and Culture of Race; 3345, Genetics and Society; 3890, Special Topics (as appropriate); 4345, Human Evolutionary Genetics.
Nanoscience and Nanotechnology

DIRECTORS Paul E. Laibinis, Sandra J. Rosenthal

FACULTY in the School of Engineering and the College of Arts and Science offer an interdisciplinary minor in nanoscience and nanotechnology. The minor is administered by the School of Engineering in collaboration with the College of Arts and Science.

Nanoscience and nanotechnology are based on the ability to synthesize, organize, characterize, and manipulate matter systematically at dimensions of \(~1\) to \(100\) nm, creating uniquely functional materials that differ in properties from those prepared by traditional approaches. At these length scales, materials can take on new properties that can be exploited in a wide range of applications such as for solar energy conversion, ultra-sensitive sensing, and new types of vaccines. These activities require the integration of expertise from various areas of science and engineering, often relying on methods of synthesis, fabrication, and characterization that are beyond those encountered in an individual course of study.

Students who minor in nanoscience and nanotechnology learn the principles and methods used in this rapidly growing field. Its core originates in the physical sciences by providing...
computer programming is expected. Prerequisite: 2501; or both 2300 (or 2310) and either 2410 or 2600. [3] (MNS)

MATH 4650. Financial Stochastic Processes. [Formerly MATH 249A] The theory of stochastic processes and applications to financial economics. Brownian motion; martingales; Itô’s Lemma; stochastic integration. Monte Carlo simulations with variance reduction techniques. Applications include discrete-time option pricing and delta hedging. Prerequisite: 3650 and either 2810, 2820, or 3640. [3] (MNS)


MATH 4700. Combinatorics. [Formerly MATH 274] Elements of enumerative analysis including permutations, combinations, generating functions, recurrence relations, the principle of inclusion and exclusion, and Pólya’s theorem. Some special topics will be treated as class interest and background indicate (e.g., Galois fields, theory of codes, and block designs). Students unfamiliar with permutations, combinations, and basic counting techniques should take 3700 prior to 4700. Prerequisite: 2410, 2600, or 2501. [3] (MNS)


MATH 4999. Senior Thesis. [Formerly MATH 269] A written presentation of research results, original for the student but not usually original in the larger sense. The regulations governing the writing of a master of arts thesis in mathematics will apply to the writing of the senior thesis. [3] (No AXLE credit)

Medicine, Health, and Society

MHS 1001. Commons Seminar. [Formerly MHS 99] Topics vary. General Elective credit only. [1] (No AXLE credit)

MHS 1111. First-Year Writing Seminar. [Formerly MHS 115F] Independent learning and inquiry in an environment in which students can express knowledge and defend opinions through intensive class discussion, oral presentations, and written expression. May be repeated for credit once if there is no duplication of topic, but students may earn only up to 3 credits in any 1111 course per semester of enrollment. [3; maximum of 6 credits total for all semesters of 1111] (AXLE credit category varies by section)

MHS 1500. Introduction to Microbiology. [Formerly NURS 1500] Diversity of bacteria and viruses. Genetics and metabolism of bacteria. Pathogenesis, host immune defense mechanisms, rationale for antimicrobial drugs. Bacteria, fungi, viruses, and parasites important to humans. No credit for students who have earned credit for NURS 1500. [3-4] (MNS)

MHS 1600. Introduction to Nutrition and Health for a Changing World. [Formerly NURS 1600] Nutrition science and research; basic principles of digestion and absorption; role of specific nutrients and dietary practices in health promotion and chronic disease prevention. Nutrition throughout the lifespan. Not intended for students who have previously taken NURS 1601 or NURS 1602. [3] (MNS)


MHS 1930. Social Dimensions of Health and Illness. [Formerly MHS 201] Multidisciplinary introduction to health conditions from perspectives of anthropology, economics, history, political science and policy studies, philosophy, religious studies, and sociology. Guest lectures by representatives of various disciplines. [3] (P)


MHS 1950. Theories of the Body. Interdisciplinary study of the human body through critical theory, history, philosophy, art, and popular culture. How cultural understandings of bodies reflect broader social, political, scientific, and legal regimes. No credit for students who have earned credit for 290-02 in fall 2013. [3] (HCA)


MHS 2150. Medical Humanities. [Formerly MHS 248] Conceptual and creative analysis of philosophy, literature, art, and music to identify and account for human nature in the medical context. Ethical, practical, and social management of medical technology. Theories of art, music, and literature to understand human creativity and self-explanation in the face of illness and difference. Serves as repeat credit for students who completed 295 section 2 in either spring 2010 or spring 2009. [3] (HCA)


MHS 2240. Bionic Bodies, Disability Cultures. [Formerly MHS 242] Historical and cultural evolution of prosthetics, artificial limbs, and other assistive technologies. Shifts in social views resulting from war, economics, and art and design. [3] (HCA)

MHS 2250. War and the Body. [Formerly MHS 212] Impact of war on the human body. Anthropology of the body and theories of bodily experience. Production, representation, and experience of war and of military and medical technologies on a bodily level. Acceptable and unacceptable types of harm. No credit for students who earned credit for 290 section 2 in fall 2012. [3] (P)


MHS 2320. Medicine, Law, and Society. [Formerly MHS 244] Survey of issues in medicine and law, including the physician-patient relationship, medical malpractice, organ donation, healthcare financing, and the limits and powers of the government to protect the public’s health. Serves as repeat credit for students who completed 290 section 3 in fall 2010, 290 section 2 in spring 2010, or 290 section 2 in spring 2009. [3] (SBS)

MHS 2330. Men’s Health Research & Policy. [Formerly MHS 234] Concepts and theories of men’s health. Global and domestic issues. Effect of men’s social and economic advantages on health outcomes. Strategies to improve men’s health; relationships between cultural values and health poli-
cy; and cultural explanations that shape men’s health campaigns. No credit for students who earned credit for 290 section 14 in spring 2013. [3] (SBS)

MHS 2350. Italian Representations of Wellness and Illness. From 1300 to the present. Depictions of health and sickness in Italian literature, art, and film. Historical, cultural, and social dimensions of health in Italy and changes in the societal approach to health. Italian society’s views on health, wellness, and the stigmatization of physical and mental illness. [3] (INT)

MHS 2410. HIV/AIDS in the Global Community. [Formerly MHS 236] Medical, social, political, economic, and public policy dimensions of HIV/AIDS. Prevention and treatment strategies, social stigma, and discrimination. Repeat credit for students who completed 290 section 2 in fall 2009 and for students who completed 290 section 5 in fall 2008. [3] (P)

MHS 2420. Economic Demography and Global Health. [Formerly MHS 206] Economic consequences of demographic change in developing and developed countries. Links between socioeconomic status and health; relationship between health and economic growth; determinants of fertility, mortality, and migration. [3] (SBS)

MHS 2430. Social Capital and Health. [Formerly MHS 240] Theoretical approaches to social capital and their applications to the social production of disease and illness. Theoretical background of social capital; the conceptualization and measurement of social capital; and the multiple roles of social capital as a social antecedent of health. Serves as repeat credit for students who completed 290 section 5 in spring 2010 and section 1 in spring 2011. [3] (SBS)

MHS 2510. Caring for Vulnerable Populations. [Formerly MHS 237] Humanitarian aid and the risks and responsibilities in providing for vulnerable populations. Differences between acute and chronic crises. Geopolitical, cultural, clinical, and practical factors. Serves as repeat credit for students who completed 290 section 3 in spring 2010 and for students who completed 290 section 4 in either spring 2009 or spring 2008. [3] (No AXLE credit)


MHS 2610. Global Health Crises. Development of global health priorities, responses to emerging crises, and unintended consequences of global health interventions. No credit for students who have earned credit for 3890-01 offered fall 2015 or 3890-02 offered spring 2016. [3] (INT)

MHS 2920. Medicine on Trial. Medicine as an object of dispute and a source of evidence in courts of law. Key cases and issues in Western law. Medicine adjudicated in religious, military, tribal, national, and international courts. No credit for students who have earned credit for 290-01 offered fall 2014. [3] (SBS)

MHS 2940. Race, Citizenship, and Health. Social and historical impacts of immigration, settlement, nation formation, labor exploitation, imperialism, and globalization on populations categorized as victims, vectors of disease, or sanitary citizens. Health as a key site in which the meaning of race and citizenship are developed and navigated. No credit for students who have earned credit for 3000 offered fall 2016 or spring 2017. [3] (P)

MHS 2950. Healing Animals. Animals as subjects of medical research and as patients in veterinary medicine. Health of animals as friends, food, entertainment, and vectors of disease. Celebration and concealment of the centrality of animals in modern medicine through legal, economic, social, and emotional techniques. No credit for students who earned credit for 290-03 offered spring 2015. [3] (P)

MHS 3000. Undergraduate Seminar. [Formerly MHS 295] Advanced reading, research, and writing. Topics vary. Limited to juniors and seniors with preference to majors in Medicine, Health, and Society. May be repeated for credit once if there is no duplication in topic. Students may enroll in more than one section of this course each semester. Offered on a graded basis only. [3; maximum of 6 credits total for all semesters of MHS 3000] (No AXLE credit)

MHS 3010. Global Health Principles and Practice. Introduction to major global health principles and practices in the developing and developed world. Perspectives of public health practitioners and critical thinking about global health challenges and solutions. [3] (P)


MHS 3030. Community Health Research. [Formerly MHS 235] Conceptual and methodological challenges. Focus on descriptive studies and intervention research to address health disparities in chronic diseases and psychiatric disorders. [3] (SBS)


MHS 3050W. Medicine and Literature. [Formerly MHS 205W] Narrative analysis, and other humanistic, interpretative practices of relevance to medicine and health. [3] (HCA)

MHS 3101. Human Anatomy and Physiology I. [Formerly NURS 3101] Structure and function of the human organism. Integration of the gross anatomical structures and organ systems with microscopic structure, physiological function, and homeostatic mechanisms. Clinical relevance of selected topics. No credit for students who have earned credit for NURS 3101. One semester of a college-level course in biology or chemistry is expected. [4] (MNS)

MHS 3102. Human Anatomy and Physiology II. [Formerly NURS 3102] Continuation of 3101. Structure and function of the human organism. Integration of the gross anatomical structures and organ systems with microscopic structure, physiological function, and homeostatic mechanisms. Clinical relevance of selected topics. No credit for students who have earned credit for NURS 3102. [4] (MNS)

MHS 3110. Global Health and Social Justice. [Formerly MHS 204] Global health institutions, policies, and practices. Issues of social justice. Anthropological, sociological, and scientific studies that address the social, moral, political, and economic factors influencing the definition of and response to global health problems. No credit for students who earned credit for 290 section 4 in fall 2012. [3] (P)


MHS 3150. Death and Dying in America. [Formerly MHS 225] Interdisciplinary introduction to thanatology; changes in medicine and attitudes towards dying as they reshape the American way of death in a multicultural landscape. [3] (P)


MHS 3212. Health, Development, and Culture in Guatemala. [Formerly MHS 218]B] Social and political dimensions of health and development in Guatemala through fieldwork and service learning in rural Maya communities in Quetzaltenango and Solola. Prerequisite: 3210. [1-3] (No AXLE credit)

MHS 3220. Healthcare Organizations. [Formerly MHS 222] Key healthcare organizations in the context of policies governing the U.S. healthcare system. How organizations and policies shape the meaning of health and the dynamics of medical encounters. No credit for students who have earned credit for 295 in spring 2012. [3] (SBS)

MHS 3250. Perspectives on Trauma. [Formerly MHS 254] Trauma as a framework for understanding individual and collective suffering. Trauma in
Approval of faculty adviser and MHS program director required for enroll-
ing and/or research in one area of MHS studies to be selected in consulta-
tion with a Vanderbilt faculty member on a topic related to their service learning
experience. Corequisite: MHS 3830. [1-3] (No AXLE credit)

MHS 3350. Medicine, Religion, and Spirituality. [Formerly MHS 246]
How individuals, families, and communities deal with such life events as
birth, serious illness and injury, disability, war, and death through the com-
bined belief in medicine and religion. Sources include fiction, poetry, drama,
film, and texts. Research seminar. Serves as repeat credit for students who
completed 295 section 2 in either fall 2009 or fall 2008. [3] (No AXLE credit)

MHS 3450. Mental Illness Narratives. Mental illness experiences through
memoir, film, and spoken word. No credit for students who have earned
credit for 3890-01 offered spring 2017 or 3890-02 offered fall 2016. [3] (P)

MHS 3830. Service Learning. [Formerly MHS 294A] Under faculty super-
vision, students will design a program of community service associated with
a set of learning objectives. The service component (3830) should benefit
both the recipient and the provider of the service, offering the latter op-
portunities for self-reflection, self-discovery, and the development of values,
skills, and knowledge. A central objective must be firsthand experience of
a central issue or issues studied in sociology, psychology, political science,
economics, or another academic discipline. The MHS program will work to
find placements for interested students. The other component, 3831,
will consist of an independent study in the relevant discipline and must be
closely linked to the issue(s) addressed in 3830. For example, a student may
provide services to the elderly in nursing homes and use 3831 to study how
state and federal policies affect the delivery of health care and other services
to nursing home populations. To be accepted, students must have a 2.90
overall grade point average and 6 hours of prior work in approved MHS
courses. They must submit a specific plan for the service-learning experi-
ence to the MHS program director. Must be taken Pass/Fail and concurrently
with 3831. These hours shall not be included in the minimum hours
required for the MHS major or minor. After completing the experience, all
students must write a thorough report. Corequisite: 3831. [1-3] (No AXLE credit)

MHS 3831. Service Learning Research and Readings. [Formerly MHS 294B]
Under faculty supervision, students will design a program of commu-

nity service associated with a set of learning objectives. The service
component (3830) should benefit both the recipient and the provider of the
service, offering the latter opportunities for self-reflection, self-discovery, and
the development of values, skills, and knowledge. A central objective must be
firsthand experience of a central issue or issues studied in sociology, psychology, political science,
economics, or another academic discipline. The MHS program will work to
find placements for interested students. The other component - 3831 - will consist of an independent study in the rele-
vant discipline and must be closely linked to the issue(s) addressed in 3830.
For example, a student may provide services to the elderly in nursing homes and use 3831 to study how state and federal policies affect the delivery of
health care and other services to nursing home populations. To be ac-
cepted, students must have a 2.90 overall grade point average and 6 hours of
prior work in approved MHS courses. They must submit a specific plan for
the service-learning experience to the MHS program director. Students
will write a substantial research or interpretative paper under the supervision
of a Vanderbilt faculty member on a topic related to their service learning
experience. Corequisite: 3830. [1-3] (No AXLE credit)

MHS 3850. Independent Study. [Formerly MHS 296] A program of read-
ing and/or research in one area of MHS studies to be selected in consulta-
tion with an adviser. Normally limited to qualified MHS minors or majors. Approval of faculty adviser and MHS program director required for enroll-
ment. May be repeated for credit once if there is no duplication in topic, but
students may earn only up to 3 credits per semester of enrollment. (How-
ever, students in the MHS honors program may count a total of 12 hours in
MHS 3850, including the 6 hours in the senior year devoted to preparation
of the honors thesis. The same instructor will ordinarily supervise work on
the honors thesis in both fall and spring semesters; a student may work with
a thesis adviser who has previously supervised an independent study with
that student.) [1-3; maximum of 6 credits for all semesters of MHS 3850;
maximum of 12 credits for students in the MHS honors program] (No AXLE
credit)

MHS 3880. Internship Training. [Formerly MHS 293A] Under faculty super-
vision, students from any discipline can gain experience in a broad range of
public and private agencies, institutions, and programs devoted to
health care, public health, health-related policy and research. Two options
are available. (1) Full-time: 12-15 hours total, including 6-9 hours in 3880,
and 6 hours in 3881. (2) Part-time: 2-9 hours total, including 1-6 hours in
3880 and 1-3 hours in 3881. To be accepted for either option, students
must have a 2.90 grade point average and 6 hours of prior work in approved
MHS courses; they must submit a specific plan for the internship to the MHS
program director. After completing the internship, all students must write
a thorough report. Note: All work for an internship must be completed during
a single semester or summer. Must be taken Pass/Fail and concurrently
with 3881. These hours shall not be included in the minimum hours required
for the MHS major or minor. Corequisite: 3881. [Variable credit: 1-9] (No AXLE credit)

MHS 3881. Internship Readings and Research. [Formerly MHS 293B]
Under faculty supervision, students from any discipline can gain experience in a broad range of public and private agencies, institutions, and programs
devoted to health care, public health, health-related policy and research.
Two options are available. (1) Full-time: 12-15 hours total, including 6-9
hours in 3880, and 6 hours in 3881. (2) Part-time: 2-9 hours total, including
1-6 hours in 3880 and 1-3 hours in 3881. To be accepted for either option,
students must have a 2.90 grade point average and 6 hours of prior work in
approved MHS courses; they must submit a specific plan for the internship
to the MHS program director. After completing the internship, all students
must write a thorough report. Note: All work for an internship must be com-
pleted during a single semester or summer. Students will write a substantial
research or interpretative paper under the supervision of a regular Vanderbilt
faculty member. Corequisite: 3880. [Variable credit: 1-6] (No AXLE credit)

MHS 3890. Special Topics. [Formerly MHS 290] May be repeated for
credit twice if there is no duplication in topic. Students may enroll in more
than one section of this course each semester. [1-3; maximum of 9 credits
total for all semesters of MHS 3890] (No AXLE credit)

MHS 4010. Psychiatry, Culture, and Globalization. [Formerly MHS 252]
Cross-cultural analysis of mental illness; the emergence of cultural psychia-
try; and the globalization of biopsychiatry and neurosciences. No credit for
students who earned credit for 295 section 2 in fall 2012. [3] (P)

MHS 4050. Narrative and Medicine: Stories of Illness and the Doctor-
Patient Relationship. [Formerly MHS 220] Use of classical and contempo-
rary illness narratives to understand the doctor-patient relationship. Focus
on patient stories in clinical settings. [3] (HCA)

MHS 4998. Honors Research. [Formerly MHS 297] Offered on a graded
basis only. Limited to seniors admitted to the departmental honors program.
[3] (No AXLE credit)

MHS 4999. Honors Thesis. [Formerly MHS 298] Offered on a graded ba-
sis only. Limited to seniors admitted to the departmental honors program.
[3] (No AXLE credit)

Military Science

MS 1510. American Military History: Principles of War. [Formerly MS
151] Offered on a pass/fail basis only. [3]