

Health and Medical Sciences (HMEDSCI)

Courses

HMEDSCI 98 Directed Group Study 1 - 3 Units
Organized group study on topics selected by Health and Medical Sciences faculty for freshman/sophomore students.

Rules & Requirements

Prerequisites: Consent of instructor; freshman/sophomore status

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 3-9 hours of tutorial per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Undergraduate

Grading/Final exam status: Offered for pass/not pass grade only. Final exam not required.

HMEDSCI C133 Death, Dying, and Modern Medicine: Historical and Contemporary Perspectives 4 Units

This course will study the end of life--dying and death--from the perspective of medicine and history. It seeks to confront the humanist with the quotidian dilemmas of modern clinical practice and medicine's deep engagement with death more generally. It invites pre-med, pre-law, and public policy students to understand these matters in light of the historical and, more broadly, literary and artistic perspectives of the humanities.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of lecture and 2 hours of discussion per week

Summer:

6 weeks - 8 hours of lecture and 2 hours of discussion per week
8 weeks - 6 hours of lecture and 2 hours of discussion per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Instructors: Laqueur, Micco

Also listed as: HISTORY C191/UGIS C133

HMEDSCI 150 Introduction to Aging Issues and Opportunities in Aging Professions 2 Units

This course will explore current issues in aging from biological, demographic, psycho-social, and policy perspectives. To begin, lectures will focus on: The changing demographics of the general population of which older adults are becoming a larger and larger percentage; How men and women age differently; The historical context within which aging has been viewed; The physical and mental changes that occur over time. These initial lectures will provide the foundation for the lectures that follow in which professionals present issues--unique to their field--that they encounter in meeting the needs of their elderly clientele. Representative professions will include law, medicine, dentistry, architecture, social welfare, optometry, speech and physical therapy. The importance of an interdisciplinary approach to problem solving will be emphasized as speakers highlight pertinent issues in this population through case study scenarios. By using case studies we will shift the focus from "the disease" or "condition" to "the person." Speakers will discuss how they became interested in their respective professions and what opportunities/challenges await a new generation of professionals.

Rules & Requirements

Prerequisites: Upper division or graduate standing or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of lecture per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Undergraduate

Grading/Final exam status: Letter grade. Final exam required.

Instructors: Micco, Rothman

HMEDSCI 197 Field Study in Health and Medical Sciences 1 - 3 Units
Field experience relevant to health and medical sciences. Regular individual and/or group meetings with faculty sponsor are required. A final written report or ongoing field notebook is required. One unit of credit represents three hours of work per week on the part of the student.

Rules & Requirements

Prerequisites: Consent of instructor

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 3-9 hours of fieldwork per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Undergraduate

Grading/Final exam status: Offered for pass/not pass grade only. Final exam not required.

HMEDSCI 198 Directed Group Study 1 - 3 Units

Organized group study on topics selected by Health and Medical Sciences Program graduate students under the sponsorship and direction of a member of the faculty.

Rules & Requirements

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 1-3 hours of directed group study per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Undergraduate

Grading/Final exam status: Offered for pass/not pass grade only. Final exam not required.

Instructors: Steinbach, Swartzberg

HMEDSCI 200A Contextual Integrated Case-Based Curriculum 10 Units

The six semester sequence (200A-200F) introducing principles of the medical basic science, health policy, public health, and clinical aspects of medicine taught in a contextual-integrated case-based format. The sequence includes curriculum in biochemistry, histology, microbiology, immunology, neuroanatomy, pathology, physiology, pharmacology, and clinical sciences.

Rules & Requirements

Prerequisites: Graduate standing in Health and Medical Science Joint Medical Program

Hours & Format

Fall and/or spring: 15 weeks - 10.5 hours of seminar per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Letter grade.

HMEDSCI 200B Contextual Integrated Case-Based Curriculum 10 Units

The six semester sequence (200A-200F) introducing principles of the medical basic science, health policy, public health, and clinical aspects of medicine taught in a contextual-integrated case-based format. The sequence includes curriculum in biochemistry, histology, microbiology, immunology, neuroanatomy, pathology, physiology, pharmacology, and clinical sciences.

Rules & Requirements

Prerequisites: Graduate standing in Health and Medical Science Joint Medical Program

Hours & Format

Fall and/or spring: 15 weeks - 10.5 hours of seminar per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Letter grade.

HMEDSCI 200C Contextual Integrated Case-Based Curriculum 10 Units

The six semester sequence (200A-200F) introducing principles of the medical basic science, health policy, public health, and clinical aspects of medicine taught in a contextual-integrated case-based format. The sequence includes curriculum in biochemistry, histology, microbiology, immunology, neuroanatomy, pathology, physiology, pharmacology, and clinical sciences.

Rules & Requirements

Prerequisites: Graduate standing in Health and Medical Science Joint Medical Program

Hours & Format

Fall and/or spring: 15 weeks - 10.5 hours of seminar per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Letter grade.

HMEDSCI 200D Contextual Integrated Case-Based Curriculum 10 Units

The six semester sequence (200A-200F) introducing principles of the medical basic science, health policy, public health, and clinical aspects of medicine taught in a contextual-integrated case-based format. The sequence includes curriculum in biochemistry, histology, microbiology, immunology, neuroanatomy, pathology, physiology, pharmacology, and clinical sciences.

Rules & Requirements

Prerequisites: Graduate standing in Health and Medical Science Joint Medical Program

Hours & Format

Fall and/or spring: 15 weeks - 10.5 hours of seminar per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Letter grade.

HMEDSCI 200E Contextual Integrated Case-Based Curriculum 10 Units

The six semester sequence (200A-200F) introducing principles of the medical basic science, health policy, public health, and clinical aspects of medicine taught in a contextual-integrated case-based format. The sequence includes curriculum in biochemistry, histology, microbiology, immunology, neuroanatomy, pathology, physiology, pharmacology, and clinical sciences.

Rules & Requirements

Prerequisites: Graduate standing in Health and Medical Science Joint Medical Program

Hours & Format

Fall and/or spring: 15 weeks - 10.5 hours of seminar per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Letter grade.

HMEDSCI 200F Contextual Integrated Case-Based Curriculum 7 Units
The six semester sequence (200A-200F) introducing principles of the medical basic science, health policy, public health, and clinical aspects of medicine taught in a contextual-integrated case-based format. The sequence includes curriculum in biochemistry, histology, microbiology, immunology, neuroanatomy, pathology, physiology, pharmacology, and clinical sciences.

Rules & Requirements

Prerequisites: Graduate standing in Health and Medical Science Joint Medical Program

Hours & Format

Fall and/or spring: 15 weeks - 10.5 hours of seminar per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Letter grade.

HMEDSCI 201 Systemic and Regional Human Anatomy and Development 8 Units
Regional and functional human anatomy and development (embryology) will be taught through lecture, laboratory, and problem-based exercises in a fashion that requires learning traditional anatomy and the use of anatomical reasoning in the context of clinical problem solving. The understanding of regional anatomy will be taught by prosection demonstration and dissection strengthened by teaching basic interpretation of medical imaging. Computer programs will be used to supplement all elements of the course. To increase clinical competence, the surface anatomy that is essential to physical examination will be taught. Students will learn the skills of professional communication by presenting patients and explaining the anatomical basis of the patient problem. Small group process is used to practice interactional and explicative skills.

Rules & Requirements

Prerequisites: Consent of instructor

Hours & Format

Summer: 8 weeks - 11 hours of lecture and 11 hours of laboratory per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Letter grade.

Instructor: Patterson

HMEDSCI 202A Clinical Skills 1 2 Units

The first course in a six-semester sequence introducing first-year medical students to the skills necessary to obtain a complete medical history, to manage successfully the dynamics of the doctor-patient interaction, and to master interpersonal communication skills required of doctors in a clinical setting.

Rules & Requirements

Prerequisites: Graduate standing in Health and Medical Sciences Joint Medical Program

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructor: Micco

HMEDSCI 202B Clinical Skills 2 2 Units

Students learn the cardiovascular, pulmonary, eye, and gastrointestinal exam and practice a complete medical history and physical exam with their preceptor. The dynamics of the physician-patient relationship are discussed on an ongoing basis with both the preceptor and the faculty instructor. Each student is required to turn in at least five patient write-ups per term.

Rules & Requirements

Prerequisites: Graduate standing in Health and Medical Sciences Joint Medical Program and completion of all requirements of Health and Medical Sciences 202A

Hours & Format

Fall and/or spring: 8 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructor: Micco

HMEDSCI 202C Clinical Skills 3 2 Units

Students learn the neurologic, musculo-skeletal, ear, nose, throat, thyroid, and skin exam and practice the medical history and physical exam with their preceptor. The dynamics of the physician-patient relationship are discussed on an ongoing basis. Each student is required to turn in at least five patient write-ups per term.

Rules & Requirements

Prerequisites: Graduate standing in Health and Medical Sciences Joint Medical Program and completion of all requirements of Health and Medical Sciences 202A and 202B

Hours & Format

Fall and/or spring: 8 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructors: Stevens, Swartzberg

HMEDSCI 202D Clinical Skills 4 2 Units

Students learn the male genito-urinary exam and practice the complete medical history and physical exam with their preceptor. The dynamics of the physician-patient relationship are discussed on an ongoing basis. Each student is required to turn in at least five patient write-ups per term.

Rules & Requirements

Prerequisites: Graduate standing in Health and Medical Sciences Joint Medical Program and completion of all requirements of Health and Medical Sciences 202C

Hours & Format

Fall and/or spring: 12 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructor: Stevens Swartzberg

HMEDSCI 202E Clinical Skills 5 2 Units

Students learn the gynecologic exam and practice the complete medical history and physical exam with their preceptor. The dynamics of the physician-patient relationship are discussed on an ongoing basis. Each student is required to turn in at least five patient write-ups per term.

Rules & Requirements

Prerequisites: Graduate standing in Health and Medical Sciences Joint Medical Program and completion of all requirements of Health and Medical Sciences 202C and 202D

Hours & Format

Fall and/or spring: 12 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructors: Stevens, Swartzberg

HMEDSCI 202F Clinical Skills 6 1 Unit

Under supervision, students perform a complete history and physical exam on hospitalized or clinic patients five times during the semester. They present the patients in written and verbal format to the instructor and class. These presentations are critiqued and the tools to effectively present cases are taught. The course runs for the first half of the student's last semester in the program. Each student is required to turn in three patient write-ups.

Rules & Requirements

Prerequisites: Graduate standing in HMS Joint Medical Program

Hours & Format

Fall and/or spring: 8 weeks - 3 hours of lecture per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructors: Stevens, Swartzberg

HMEDSCI 203 Introduction to Clinical Radiology/Anatomy Correlates 1 Unit

An introduction for medical students to the study of radiology and the examination of healthy and diseased organs by imaging techniques, correlated with the Gross Anatomy and Anatomy of Human Development courses. Areas that will be covered include introduction to the major organ systems through the use of radiographs.

Rules & Requirements

Prerequisites: Graduate standing in HMS Joint Medical Program; must be taken concurrently with 201 and 202

Hours & Format

Summer: 8 weeks - 0 hours of lecture per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

Instructor: Price

HMEDSCI 211 Narrative and Medicine 1 Unit

This course's goal is to provide a method for medical students to think, write about, and discuss feelings engendered by clinical encounters. Medical students are taught the need to be emotionally detached from patients, yet being emotionally detached does not mean devoid of emotion. This course offers a means to express and analyze those feelings. Also considered is the value of regarding the medical history as "text" which can be written and read from differing, equally valid viewpoints.

Rules & Requirements

Prerequisites: Graduate standing in health and medical sciences or consent of instructor

Repeat rules: Course may be repeated for credit as topic varies. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 1 hour of seminar per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Letter grade.

Instructor: Micco

HMEDSCI 261 Research Seminar 1 - 2 Units

A seminar to help Joint Medical Program students acquire skills necessary to define a research question, find appropriate mentorship, and design a research project. Summer course introduces research design, methods, and expectations for M.S. research in Health and Medical Sciences. Fall and spring semesters address topics in research; student progress toward M.S. thesis is reviewed and critiqued. Development of research plan, protocol design and implementation, and research findings will be reviewed. Each student takes this course three times in the first year.

Rules & Requirements

Prerequisites: Graduate standing in Health and Medical Sciences UCB-UCSF Joint Medical Program

Repeat rules: Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 2 hours of seminar per week

Summer: 8 weeks - 2 hours of seminar per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Letter grade.

HMEDSCI 262 Qualitative Analysis Thesis Working Group 2 Units

The Qualitative Analysis TWG provides JMP students a supportive small group student-centered environment in which to discuss their qualitative research with other students engaged in qualitative research towards the goal of the successful completion of the required JMP MS.

Objectives Outcomes

Course Objectives: To develop specific skills in qualitative research design, data collection, analysis, presentation and publication, areas of emphasis will include: 1) grounded theory research and analysis and 2) cultural research and analysis

To give students a supportive environment in which to discuss their research with students and faculty who are engaged in similar research.

To give students the opportunity to provide peer advising to their classmates regarding their research projects.

To provide students with individual mentoring by TWG leaders during outside sessions planned between faculty and students

To support students in developing skills in working with a mentor, developing a research design, obtaining IRB approval, collecting and analyzing data, managing a research project, presenting findings as posters or oral presentations, and drafting a master's thesis and/or publication

Rules & Requirements

Prerequisites: 2nd year students-HMS 261 completed with no incompletes
3rd year students-prior HMS 262 completed with no incompletes

Repeat rules: Course may be repeated a maximum of 4 times.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of seminar per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Letter grade.

Instructor: Eyre

HMEDSCI 264 Mixed Methods/Community-Based Research Thesis Working Group 2 Units

The Mixed Methods/Community-based Research TWG provides JMP students a supportive small group student-centered environment in which to discuss their research with other students engaged or interested in mixed methods/community-based research projects towards the goal of the successful completion of the required JMP MS.

Objectives Outcomes

Course Objectives: To develop specific skills in mixed methods research and community-based research design, planning and implementation, data collection, analysis, presentation and publication.

To give students a supportive environment in which to discuss their research with students and faculty who are engaged in similar research

To give students the opportunity to provide peer advising to their classmates regarding their research projects.

To provide students with individual mentoring by TWG leaders during outside sessions planned between faculty and students

To support students in developing skills in working with a mentor, developing a research design, obtaining IRB approval, collecting and analyzing data, managing a research project, presenting findings as posters or oral presentations, and drafting a master's thesis and/or publication

Rules & Requirements

Prerequisites: 2nd year students-HMS 261 completed with no incompletes
3rd year students-prior HMS 264 completed with no incompletes

Repeat rules: Course may be repeated a maximum of 4 times.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of seminar per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Letter grade.

Instructor: Ivey

HMEDSCI 265 Epidemiology/Reproductive Health/Evaluation Research Thesis Working Group 2 Units

The Epidemiology/Reproductive Health/ Evaluation TWG provides JMP students a supportive small group student-centered environment in which to discuss their research with other students engaged in Epidemiology/ Reproductive Health/ Evaluation projects towards the goal of the successful completion of the required JMP MS.

Objectives Outcomes

Course Objectives: To develop specific skills in Epidemiology/ Reproductive Health/ Evaluation research design, planning and implementation, data collection, analysis, presentation and publication. To give students a supportive environment in which to discuss their research with students and faculty who are engaged in similar research. To give students the opportunity to provide peer advising to their classmates regarding their research projects. To provide students with individual mentoring by TWG leaders during outside sessions planned between faculty and students. To support students in developing skills in working with a mentor, developing a research design, obtaining IRB approval, collecting and analyzing data, managing a research project, presenting findings as posters or oral presentations, presenting research to the community, and drafting a master's thesis and/or publication

Rules & Requirements

Prerequisites: 2nd year students-HMS 261 completed with no incompletes
3rd year students-prior HMS 265 completed with no incompletes

Repeat rules: Course may be repeated a maximum of 4 times.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of seminar per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Letter grade.

Instructor: Prata

HMEDSCI 266 Clinical Medicine/Bench Research/Clinical Epi/Behavioral Thesis Working Group 2 Units

The Clinical Medicine/Bench Research/Clinical Epi/Behavioral TWG provides JMP students a supportive small group student-centered environment in which to discuss their Clinical Medicine/Bench Research/ Clinical Epi/Behavioral projects towards the goal of the successful completion of the required JMP MS.

Objectives Outcomes

Course Objectives: To develop specific skills in Clinical Medicine/Bench Research/Clinical Epi/Behavioral TWG research design, planning and implementation, data collection, analysis, presentation and publication. To give students a supportive environment in which to discuss their research with students and faculty who are engaged in similar research. To give students the opportunity to provide peer advising to their classmates regarding their research projects. To provide students with individual mentoring by TWG leaders during outside sessions planned between faculty and students, To support students in developing skills in working with a mentor, developing a research design, obtaining IRB approval, collecting and analyzing data, managing a research project, presenting findings as posters or oral presentations, and drafting a master's thesis and/or publication

Rules & Requirements

Prerequisites: 2nd year students-HMS 261 completed with no incompletes
3rd year students-prior HMS 266 completed with no incompletes

Repeat rules: Course may be repeated a maximum of 4 times.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of seminar per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Letter grade.

Instructor: Madsen

HMEDSCI 267 Bioethics, Medical Humanities, or Archival Thesis Working Group 2 Units

The Bioethics, Medical Humanities TWG provides JMP students a supportive small group student-centered environment in which to discuss their research with other students engaged in Bioethics, Medical Humanities projects towards the goal of the successful completion of the required JMP MS.

Objectives Outcomes

Course Objectives: To develop specific skills in Bioethics, Medical Humanities research design, planning and implementation, data collection, analysis, presentation and publication..

To give students a supportive environment in which to discuss their research with students and faculty who are engaged in similar research.

To give students the opportunity to provide peer advising to their classmates regarding their research projects.

To provide students with individual mentoring by TWG leaders during outside sessions planned between faculty and students

To support students in developing skills in working with a mentor, developing a research design, obtaining IRB approval, collecting and analyzing data, managing a research project, presenting findings as posters or oral presentations, presenting research to the community, and drafting a master's thesis and/or publication

Rules & Requirements

Prerequisites: 2nd year students-HMS 261 completed with no incompletes
3rd year students-prior HMS 267 completed with no incompletes

Repeat rules: Course may be repeated a maximum of 4 times.

Hours & Format

Fall and/or spring: 15 weeks - 3 hours of seminar per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Letter grade.

Instructor: Halpern

HMEDSCI 296 Special Study 1 - 10 Units

Designed to permit qualified graduate students to pursue special study under the direction of a faculty member.

Rules & Requirements

Prerequisites: Graduate standing

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 0 hours of independent study per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Offered for satisfactory/unsatisfactory grade only.

HMEDSCI 298 Directed Group Study 1 - 5 Units

Group study for graduate students. Intensive examination of health-related topics.

Rules & Requirements

Prerequisites: Graduate standing in Health and Medical Sciences Program or consent of instructor

Hours & Format

Fall and/or spring: 15 weeks - 1-5 hours of independent study per week

Summer:

6 weeks - 2.5-12.5 hours of independent study per week

8 weeks - 1.5-7.5 hours of independent study per week

10 weeks - 1.5-4 hours of independent study per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: The grading option will be decided by the instructor when the class is offered.

HMEDSCI 299 Independent Study and Research in Health and Medical Sciences 1 - 12 Units

Independent study, research, and writing in an area related to program of study, sponsored by an approved faculty member and approved by program adviser.

Rules & Requirements

Prerequisites: Graduate standing in HMS Program or consent of sponsoring HMS faculty member

Repeat rules: Course may be repeated for credit. Course may be repeated for credit when topic changes.

Hours & Format

Fall and/or spring: 15 weeks - 1-12 hours of independent study per week

Summer:

6 weeks - 2.5-30 hours of independent study per week

8 weeks - 1.5-22.5 hours of independent study per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Letter grade.