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.
Directed Group Study: Read More [+]
Rules & Requirements
Prerequisites: Consent of instructor; freshman/sophomore status
Repeat rules: Course may be repeated for credit without restriction.
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.
Directed Group Study: Read Less [-]

HMEDSCI C133 Death, Dying, and Modern Medicine: Historical and Contemporary Perspectives 4 Units
Terms offered: Spring 2017, Spring 2016, Spring 2015, Fall 2013, Fall 2005, Fall 2002
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.
Death, Dying, and Modern Medicine: Historical and Contemporary Perspectives: Read More [+]
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
Death, Dying, and Modern Medicine: Historical and Contemporary Perspectives: Read Less [-]

HMEDSCI 198 Directed Group Study 1 - 3 Units
Terms offered: Fall 2019, Spring 2016, Spring 2015
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.
Directed Group Study: Read More [+]
Rules & Requirements
Repeat rules: Course may be repeated for credit without restriction.
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
Directed Group Study: Read Less [-]
HMEDSCI 200 Foundational Sciences through Problem-Based Learning 8 Units

Terms offered: Spring 2022, Fall 2021, Spring 2021

The five semester sequence 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

Repeat rules: Course may be repeated for credit up to a total of 5 times.

Hours & Format

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

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Letter grade.

Foundational Sciences through Problem-Based Learning: Read Less [-]

HMEDSCI 205A Foundational Medical Sciences 10 Units

Terms offered: Fall 2022, Fall 2002, Fall 2001

The focus of this course is on medical physiology—the study of the human body’s normal functioning. Physiology underpins the rest of the foundational medical sciences curriculum by allowing students to map and anchor the additional learning necessary to make sense of complex problem-based learning (PBL) medical cases later in the curriculum.

Students will learn physiology through team-based learning (TBL), a student-centered pedagogy in which they work with physiological problems to solve them collaboratively. By actively engaging in learning through problem-solving, students do more than memorize content; they learn how to work together to build a strong web of interconnected information to solve real-world problems.

Rules & Requirements

Prerequisites: Graduate standing in Health and Medical Science Joint Medical Program. JMP first year student fall semester

Credit Restrictions: Students will receive no credit for HMEDSCI 205A after completing HMEDSCI 205A, or HMEDSCI 205A. A deficient grade in HMEDSCI 205A may be removed by taking HMEDSCI 205A, or HMEDSCI 205A.

Hours & Format

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

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Letter grade.

Foundational Medical Sciences: Read Less [-]
HMEDSCI 205B Foundational Medical Sciences 10 Units
Beginning in this semester, you will learn all the foundational medical sciences through problem-based learning (PBL), which builds upon the foundation of physiological knowledge learned through TBL in your first semester. PBL is an evidence-based educational strategy underpinned by a constructivist philosophy of learning. The foundational medical sciences include, among others, pathology, pharmacology, biochemistry, immunology, microbiology, genetics, behavioral sciences, epidemiology, public health, medical sociology, and other social sciences.

Objectives & Outcomes

Student Learning Outcomes: Create rich and elaborated causal networks that explain physiological processes.
Develop and practice evidence-based self-regulated learning skills.
Develop communication skills that support effective teamwork.
Learn from an anti-racist lens and actively practice anti-racism in the classroom.
Skillfully contribute to learning in collaborative teams.

Rules & Requirements

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

Hours & Format
Fall and/or spring: 15 weeks - 9 hours of seminar per week

Additional Details
Subject/Course Level: Health and Medical Sciences/Graduate
Grading: Letter grade.

Foundational Medical Sciences: Read More [+]
HMEDSCI 205D Foundational Medical Sciences D 10 Units
Terms offered: Spring 2004, Spring 2003, Spring 2002
Continuing your study of foundational medical sciences through problem-based learning (PBL), this is the third PBL course in a series of four. PBL is an evidence-based educational strategy underpinned by a constructivist philosophy of learning. The foundational medical sciences include, among others, pathology, pharmacology, biochemistry, immunology, microbiology, genetics, behavioral sciences, epidemiology, public health, medical sociology, and other social sciences.

Student Learning Outcomes:
- Create rich and elaborated causal networks that explain physiological processes.
- Develop and practice evidence-based self-regulated learning skills.
- Develop communication skills that support effective teamwork.
- Learn from an anti-racist lens and actively practice anti-racism in the classroom.
- Skillfully contribute to learning in collaborative teams.

Rules & Requirements
Prerequisites: Must be enrolled in the UC Berkeley-UCSF Joint Medical Program
Credit Restrictions: Students will receive no credit for HMEDSCI 205D after completing HMEDSCI 205D. A deficient grade in HMEDSCI 205D may be removed by taking HMEDSCI 205D.

Hours & Format
Fall and/or spring: 15 weeks - 9 hours of seminar per week

Additional Details
Subject/Course Level: Health and Medical Sciences/Graduate
Grading: Letter grade.

HMEDSCI 205E Foundational Medical Sciences E 10 Units
Terms offered: Fall 2022
Continuing your study of foundational medical sciences through problem-based learning (PBL), this is the final PBL course in a series of four. PBL is an evidence-based educational strategy underpinned by a constructivist philosophy of learning. The foundational medical sciences include, among others, pathology, pharmacology, biochemistry, immunology, microbiology, genetics, behavioral sciences, epidemiology, public health, medical sociology, and other social sciences.

Student Learning Outcomes:
- Create rich and elaborated causal networks that explain physiological processes.
- Develop and practice evidence-based self-regulated learning skills.
- Develop communication skills that support effective teamwork.
- Learn from an anti-racist lens and actively practice anti-racism in the classroom.
- Skillfully contribute to learning in collaborative teams.

Rules & Requirements
Prerequisites: Must be enrolled in the UC Berkeley-UCSF Joint Medical Program

Hours & Format
Fall and/or spring: 15 weeks - 9 hours of seminar per week

Additional Details
Subject/Course Level: Health and Medical Sciences/Graduate
Grading: Letter grade.

Foundational Medical Sciences D: Read More [+]
Foundational Medical Sciences E: Read More [+]
Foundational Medical Sciences D: Read Less [-]
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.
Narrative and Medicine: Read More [+]

Rules & Requirements
Prerequisites: Graduate standing in health and medical sciences or consent of instructor
Repeat rules: 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

Narrative and Medicine: Read Less [-]

HMEDSCI 216 Clinical Medicine 4 Units
Terms offered: Spring 2022, Fall 2021, Spring 2021
Clinical Medicine at the JMP is designed to learn and practice the basic skills, knowledge and professionalism needed for the practice of medicine. Students enroll in the course for four consecutive semesters during their first and second years.
Clinical Medicine: Read More [+]

Rules & Requirements
Prerequisites: HMS 214
Repeat rules: Course may be repeated for credit without restriction.

Hours & Format
Fall and/or spring: 15 weeks - 6 hours of seminar per week

Additional Details
Subject/Course Level: Health and Medical Sciences/Graduate
Grading: Letter grade.
Instructors: Swartzberg, Mays, Olson

Clinical Medicine: Read Less [-]

HMEDSCI 216A Clinical Medicine A 3 Units
Terms offered: Not yet offered
This is the first semester of a mandatory 5 semester Clinical Medicine course. It lays down the foundation for building upon history-taking and physical exam skills and introduces concepts of anti-racism for future integration in your clinical interviews, exams, and communication. The course uses a combination of small group sessions, standardized patient encounters, and intensive clinical encounters to prepare students to thrive in clinical rotations as curious and self-driven learners, compassionate, clinically astute and just health care providers, and effective and collaborative team members.
Clinical Medicine A: Read More [+]

Rules & Requirements
Prerequisites: Graduate standing in Health and Medical Science Joint Medical Program

Hours & Format
Fall and/or spring: 15 weeks - 1 hour of seminar, 2 hours of demonstration, and 1.5 hours of fieldwork per week

Additional Details
Subject/Course Level: Health and Medical Sciences/Graduate
Grading: Letter grade.

Clinical Medicine A: Read Less [-]

HMEDSCI 216C Clinical Medicine C 4 Units
Terms offered: Fall 2022
This is the third semester of a mandatory 5 semester Clinical Medicine course. It builds upon the foundation for history-taking and physical exam skills with focus on differential diagnoses and integrates concepts of anti-racism in your clinical interviews, exams, and communication. The course uses a combination of small group sessions, standardized patient encounters, and intensive clinical encounters to prepare students to thrive in clinical rotations as curious and self-driven learners, compassionate, clinically astute and just health care providers, and effective and collaborative team members.
Clinical Medicine C: Read More [+]

Rules & Requirements
Prerequisites: Graduate standing in Health and Medical Science Joint Medical Program

Hours & Format
Fall and/or spring: 15 weeks - 2 hours of demonstration, 3.5 hours of fieldwork, and 1 hour of lecture per week

Additional Details
Subject/Course Level: Health and Medical Sciences/Graduate
Grading: Letter grade.

Clinical Medicine C: Read Less [-]
HMEDSCI 216E Clinical Medicine E: Advanced Clinical Medicine 4 Units
Terms offered: Fall 2022
This is the final semester of a mandatory 5 semester Clinical Medicine course. It builds upon the clinical skills developed in the first four semesters, integrating antiracism and clinical reasoning throughout your clinical interviews, exams, and communication. The course uses a combination of small group sessions, standardized patient encounters, and intensive clinical encounters to prepare students to thrive in clinical rotations as curious and self-driven learners, compassionate, clinically astute and just health care providers, and effective and collaborative team members.
Clinical Medicine E: Advanced Clinical Medicine: Read More [+]
Rules & Requirements
Prerequisites: Graduate standing in Health and Medical Science Joint Medical Program

Hours & Format
Fall and/or spring: 15 weeks - 2 hours of demonstration, 3 hours of fieldwork, and 2 hours of lecture per week

Additional Details
Subject/Course Level: Health and Medical Sciences/Graduate
Grading: Letter grade.

HMEDSCI 220 Advanced Studies in Patient Care & Clinical Systems 3 Units
Terms offered: Fall 2022, Fall 2021, Fall 2020
The overall goals of this course is for students to learn and practice advanced interviewing, integrated and focused clinical history-taking, physical exam skills, clinical decision making and problem solving skills, H & P and SOAP notes, oral case presentations and professionalism in clinical settings. Coursework is divided in 5 elements of Classroom Sessions, Psychiatric Interview, Kaiser PACE Week, 4 Inpatient Preceptorships, and 2 standardized patient exercises at SMU Advanced Studies in Patient Care & Clinical Systems: Read More [+]
Rules & Requirements
Prerequisites: 4 semesters of HMEDSCI 216 is required

Hours & Format
Fall and/or spring: 12 weeks - 3 hours of seminar per week

Additional Details
Subject/Course Level: Health and Medical Sciences/Graduate
Grading: Letter grade.
Instructors: Garlin, Hartley, Anderson

Advanced Studies in Patient Care & Clinical Systems: Read Less [-]

HMEDSCI 261 Research Seminar 2 Units
Terms offered: Fall 2022, Spring 2022, Fall 2021
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.
Research Seminar: Read More [+]
Rules & Requirements
Prerequisites: Graduate standing in Health and Medical Sciences UCB-USSF Joint Medical Program
Repeat rules: Course may be repeated for credit without restriction.

Hours & Format
Fall and/or spring: 15 weeks - 2 hours of seminar per week
Summer: 8 weeks - 6 hours of seminar per week

Additional Details
Subject/Course Level: Health and Medical Sciences/Graduate
Grading: Letter grade.

Research Seminar: Read Less [-]
HMEDSCI 262 Qualitative Analysis Thesis Working Group 3 - 4 Units
Terms offered: Fall 2020, Spring 2020, Spring 2000
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.
Qualitative Analysis Thesis Working Group: Read More [+]

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 for credit up to a total of 4 times.

Hours & Format

Fall and/or spring: 15 weeks - 3-5 hours of seminar per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Letter grade.

Instructor: Eyre

Qualitative Analysis Thesis Working Group: Read Less [-]

HMEDSCI 265 Basic, Clinical, and Behavioral Research Thesis Working Group 3 - 4 Units
Terms offered: Fall 2021, Spring 2021, Fall 2020
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.
Basic, Clinical, and Behavioral Research Thesis Working Group: Read More [+]

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 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 for credit up to a total of 4 times.

Hours & Format

Fall and/or spring: 15 weeks - 3-5 hours of seminar per week

Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate

Grading: Letter grade.

Instructor: Dahl

Basic, Clinical, and Behavioral Research Thesis Working Group: Read Less [-]
HMEDSCI 266 Clinical Medicine/Bench Research/Clinical Epi/Behavioral Thesis Working Group 3 - 4 Units
Terms offered: Summer 1998 10 Week Session, Spring 1998, Summer 1997 10 Week Session
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.
Clinical Medicine/Bench Research/Clinical Epi/Behavioral Thesis Working Group: Read More [+]

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 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 for credit up to a total of 4 times.

Hours & Format

Fall and/or spring: 15 weeks - 3-5 hours of seminar per week
Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate
Grading: Letter grade.
Instructor: Madsen
Clinical Medicine/Bench Research/Clinical Epi/Behavioral Thesis Working Group: Read Less [-]

HMEDSCI 296 Special Study 1 - 10 Units
Terms offered: Spring 2022, Fall 2021, Spring 2021
Designed to permit qualified graduate students to pursue special study under the direction of a faculty member.
Special Study: Read More [+]

Rules & Requirements

Prerequisites: Graduate standing
Repeat rules: Course may be repeated for credit without restriction.

Hours & Format

Fall and/or spring: 15 weeks - 0-3 hours of independent study per week
Summer: 8 weeks - 0-3 hours of independent study per week
Additional Details

Subject/Course Level: Health and Medical Sciences/Graduate
Grading: Letter grade.
Special Study: Read Less [-]

HMEDSCI 298 Directed Group Study 1 - 5 Units
Terms offered: Fall 2022, Spring 2014, Spring 2013
Group study for graduate students. Intensive examination of health-related topics.
Directed Group Study: Read More [+]

Rules & Requirements

Prerequisites: Graduate standing in Health and Medical Sciences Program or consent of instructor
Repeat rules: Course may be repeated for credit without restriction.

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.
Directed Group Study: Read Less [-]
HMEDSCI 299 Independent Study and Research in Health and Medical Sciences 1 - 12 Units

Terms offered: Fall 2022, Fall 2021, Fall 2020

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

Independent Study and Research in Health and Medical Sciences: Read More [⁺]

**Rules & Requirements**

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

**Repeat rules:** Course may be repeated for credit without restriction.

**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.

Independent Study and Research in Health and Medical Sciences: Read Less [-]