

Health and Medical Sciences (HMEDSCI)

Courses

HMEDSCI 98 Directed Group Study 1 - 3 Units

Terms offered: Spring 2018, Spring 2017, Spring 2016
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 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.

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.

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 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.

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

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.

HMEDSCI 205A Foundational Medical Sciences 10 Units

Terms offered: Fall 2024, Fall 2023, Fall 2022

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.

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. 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.

HMEDSCI 205B Foundational Medical Sciences 10 Units

Terms offered: Spring 2025, Spring 2024, Spring 2023

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.

HMEDSCI 205C Foundational Medical Sciences C 10 Units

Terms offered: Fall 2024, Fall 2023, Fall 2022

Continuing your study of foundational medical sciences through problem-based learning (PBL), this is the second PBL course in a series of 4. 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: Learn from an anti-racist lens and actively practice anti-racism in the classroom.

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.

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 205C after completing HMEDSCI 205C. A deficient grade in HMEDSCI 205C may be removed by taking HMEDSCI 205C.

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 205D Foundational Medical Sciences D 10 Units

Terms offered: Spring 2025, Spring 2024, Spring 2023

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.

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: 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 2024, Fall 2023, 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.

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: 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.

HMEDSCI 216 Clinical Medicine 4 Units

Terms offered: Spring 2023, Spring 2022, Fall 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.

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

HMEDSCI 216A Clinical Medicine A 3 Units

Terms offered: Fall 2024, Fall 2023, Fall 2022

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 within a seminar setting 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.

Rules & Requirements

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

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.

HMEDSCI 216B Clinical Medicine B 3 Units

Terms offered: Spring 2025, Spring 2024, Spring 2023

This is the second 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.

Rules & Requirements

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

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.

HMEDSCI 216C Clinical Medicine C 3 Units

Terms offered: Fall 2024, Fall 2023, 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 of 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 within a seminar setting 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.

Rules & Requirements

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

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.

HMEDSCI 216D Clinical Medicine D 3 Units

Terms offered: Spring 2025, Spring 2024, Spring 2023

This is the fourth 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.

Rules & Requirements

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

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.

HMEDSCI 216E Clinical Medicine E: Advanced Clinical Medicine 4 Units

Terms offered: Fall 2024, Fall 2023, 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 within a seminar setting 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.

Rules & Requirements

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

Hours & Format

Fall and/or spring: 15 weeks - 4 hours of seminar 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 2021, Fall 2020, Fall 2019

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

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

HMEDSCI 261 Research Seminar 2 Units

Terms offered: Spring 2022, Fall 2021, Spring 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.

Rules & Requirements

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

HMEDSCI 261A JMP Masters Seminar Thinking Critically about Medicine 4 Units

Terms offered: Fall 2024, Fall 2023, Fall 2022

This graduate course aims to support the students' development as scholars and medical learners with a critical stance. This seminar has two components. The first is a discussion seminar focusing on 1) understanding the relationship between theory and method in designing research protocols and conducting social scientific research and 2) translating research questions into methods/research design, including appropriate measurements. The second component is a practicum; students will apply the theoretical concepts, historical analyses, and conversations about methods from the seminar to the research projects that students will develop. It includes practical aspects such as writing skills, information literacy, grantsmanship, etc.

Rules & Requirements

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

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.

Instructors: Osagie Obasogie, Gustavo Valbuena

HMEDSCI 261B JMP Masters Seminar 2 Units

Terms offered: Spring 2025, Spring 2024, Spring 2023

This is the second in a series of 5 courses designed to support graduate students' development as scholars and medical learners with a critical stance. This course provides a scaffold for students to make progress on their master's project work. To support this process, students will use class time to work in the context of their groups, which are assigned based on methodological affinity or topic affinity. Students can move between groups as needed, and new groups may be formed when needed. Students will continue working on translating research questions into methods/research design, including appropriate measurements.

Rules & Requirements

Prerequisites: Graduate standing in Health and Medical Science 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.

Instructors: Valbuena, TBD

HMEDSCI 261C JMP Masters Seminar & Community Leadership 3 Units

Terms offered: Fall 2024, Fall 2023, Fall 2022

JMP Masters Seminar & Community Leadership is a series of 3 courses with two components in each one. The first one is the master's working group seminar; students will use class time to make progress on their master's project work in the context of groups assigned based on methodological affinity or topical affinity.

The second component, Antiracist Advocacy and Leadership in Medicine, addresses how JMP students show up in the community first as antiracist medical students, and then as antiracist physicians; it provides foundational skills to change structures to advance health equity by focusing on leadership development, community engagement, and strategies to create authentic partnerships with community members to advance health equity.

Rules & Requirements

Prerequisites: You must be enrolled as a graduate student in the UC Berkeley-UCSF 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.

HMEDSCI 261D JMP Masters Seminar & Community Leadership D 3 Units

Terms offered: Spring 2025, Spring 2024, Spring 2023

The 2nd of the JMP Masters Seminar & Community Leadership series of 3 courses with two components. The 1st component is the master's working group seminar; students will use class time to make progress on their master's project work in the context of groups assigned based on methodological affinity or topical affinity.

The 2nd component, Antiracist Advocacy & Leadership in Medicine, addresses how JMP students show up in the community first as antiracist medical students, and then as antiracist physicians; it provides foundational skills to change structures to advance health equity by focusing on leadership development, community engagement, and strategies to create authentic partnerships with community members to advance health equity.

Rules & Requirements

Prerequisites: Prerequisite: Enrolled as a graduate student in the UCB-UCSF 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.

HMEDSCI 261E JMP Masters Seminar & Community Leadership E 3 Units

Terms offered: Fall 2024, Fall 2023, Fall 2022

The 3rd of the JMP Masters Seminar & Community Leadership series of 3 courses with two components. The 1st component is the master's working group seminar; students will use class time to make progress on their master's project work in the context of groups assigned based on methodological affinity or topical affinity.

The 2nd component, Antiracist Advocacy & Leadership in Medicine, addresses how JMP students show up in the community first as antiracist medical students, and then as antiracist physicians; it provides foundational skills to change structures to advance health equity by focusing on leadership development, community engagement, and strategies to create authentic partnerships with community members to advance health equity.

Rules & Requirements

Prerequisites: Graduate standing in the UCB-UCSF 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.

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.

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 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

HMEDSCI 296 Special Study 1 - 10 Units

Terms offered: Spring 2024, Spring 2023, Spring 2022

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 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.

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.

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.

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.

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.