

# GLOBAL HEALTH SCIENCES (GLOBL HLTH)

## GLOBL HLTH 101X Introduction to Global Health (1.5 Units) Fall, Winter, Spring, Summer

*Instructor(s):* Carmen Cobb-Walch, Mylo Schaaf, Christopher Stewart

*Prerequisite(s):* None

*Restrictions:* None

The Introduction to Global Health online course will cover major global health problems, the actions and approaches to addressing them. This is an entirely online version of GLOBL HLTH 101. Students will engage in a series of online modules including videos, assessments, and activities. There will be the opportunity to explore global health careers. This is an elective course, but is a prerequisite for those planning to do the global health clinical scholars course (GH 103)

**School:** Medicine

**Department:** Medicine

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** No

## GLOBL HLTH 103 Global Health Pathway Clinical Scholars Course (3.5 Units) Fall

*Instructor(s):* Michael Lipnick

*Prerequisite(s):* Enrollment is restricted to students in any UCSF professional school, residents, and fellows, who apply and are accepted into the Global Health Course, or who obtain the consent of the Instructor.

*Restrictions:* None

*Activities:* Lecture, Project

This course will survey key topics, concepts and vocabulary of global health practice and focus on the development and background work necessary to complete a scholarly project for the global health pathway. Students will study major global health challenges, strategies for responding to them, and key global health institutions. They will develop skills in project management and leadership for their future global health careers.

**School:** Medicine

**Department:** Medicine

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** Yes

**Course Grading Convention:** P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** No

## GLOBL HLTH 170.51 Global Health Interest Group Elective (1 Units) Fall

*Instructor(s):* Mylo Schaaf

*Prerequisite(s):* None

*Restrictions:* None

*Activities:* Lecture

An elective course that will have a special emphasis on developing global health projects that are equitable and sustainable. Interdisciplinary faculty will discuss their global health work and offer advice on how students can incorporate global health into their career.

**School:** Medicine

**Department:** Medicine

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** No

**Repeat course for credit?** No

## **GLOBL HLTH 201A Foundations of Global Health (3 Units) Fall**

*Instructor(s):* Starley Shade

*Prerequisite(s):* None

Restrictions: Enrollment in MS in Global Health, unless expressly given permission by the course director and MS Program Director. Masters in Translational Medicine and Biomedical Engineering students will be given priority for any additional spaces. Approval by course director and both program directors is required. GHS program dates differ from the UCSF Academic Calendar. Refer to the GHS MS calendar at <http://globalhealthsciences.ucsf.edu/education/masters-program/about-program/academic-calendar>

Activities: Lecture, Seminar

This course introduces the principles of global health by examining different health systems and health metrics with particular emphasis on low and middle income countries. Content will cover demographics, population growth, maternal and child health, migrant health, health effects of climate and environment, poverty and health equity, health governance and key institutions, research, development and philanthropy.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** Letter Grade

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** No

**Repeat course for credit?** No

## **GLOBL HLTH 201B Global Health Economics (3 Units) Spring**

*Instructor(s):* Tracy Lin, Jenny Liu

*Prerequisite(s):* None

Restrictions: Enrollment in MS in Global Health, unless expressly given permission by the course director and MS Program Director. Masters in Translational Medicine and Biomedical Engineering students will be given priority for any additional spaces. Approval by course director and both program directors is required. GHS program dates differ from the UCSF Academic Calendar. Refer to the GHS MS calendar at <http://globalhealthsciences.ucsf.edu/education/masters-program/about-program/academic-calendar>

Activities: Lecture, Seminar

This course explores the role of economics in global health. It introduces key concepts, terms, and debates; describes health and disease metrics; explores the health-wealth link; examines the importance of poverty and inequality; examines the U.S. health system; reviews the contribution of economics to the global health agenda; and introduces behavioral economics and cost-effectiveness analysis. The perspective is global, illustrating the varied ways that economics can foster improved health.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** Letter Grade

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** No

## **GLOBL HLTH 201C Qualitative Research Approaches in Global Health (3 Units) Fall**

*Instructor(s):* Wayne Steward, Carol Camlin

*Prerequisite(s):* None

Restrictions: Enrollment in MS in Global Health, unless expressly given permission by the course director and MS Program Director. Masters in Translational Medicine and Biomedical Engineering students will be given priority for any additional spaces. Approval by course director and both program directors is required. GHS program dates differ from the UCSF Academic Calendar. Refer to the GHS MS calendar at <http://globalhealthsciences.ucsf.edu/education/masters-program/about-program/academic-calendar>

Activities: Lecture, Seminar

This course places a particularly strong emphasis on developing skills for conducting qualitative interviews, which are a frequently used technique for answering social and behavioral research questions. It addresses the following questions: What methods can health professionals use to understand the socio-political-cultural environments where they work? Which methods are most appropriate for which research questions? How are qualitative research methods implemented?

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** Letter Grade

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** No

**Repeat course for credit?** No

## **GLOBL HLTH 202A Global Infectious Diseases (3 Units) Winter**

*Instructor(s):* Vivek Jain, Christina Yoon

*Prerequisite(s):* None

Restrictions: Enrollment in MS in Global Health, unless expressly given permission by the course director and MS Program Director. Masters in Translational Medicine and Biomedical Engineering students will be given priority for any additional spaces. Approval by course director and both program directors is required. GHS program dates differ from the UCSF Academic Calendar. Refer to the GHS MS calendar at <http://globalhealthsciences.ucsf.edu/education/masters-program/about-program/academic-calendar>

Activities: Lecture, Seminar

This course covers global communicable diseases, including the biology, history, epidemiology, and economics of key infections. We will focus on HIV infection, malaria, tuberculosis, and other communicable diseases of international importance. Through lectures, seminars, and independent study, students will learn about the basic principles of infection and immunity, disease epidemiology and pathogenesis, and varied aspects of the treatment and control of leading infections.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** Letter Grade

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** No

**GLOBL HLTH 202B Health, the Environment and Non-communicable Disease (3 Units) Spring***Instructor(s):* Sujatha Sankaran, Janet Wojcicki*Prerequisite(s):* None

Restrictions: Enrollment in MS in Global Health, unless expressly given permission by the course director and MS Program Director. Masters in Translational Medicine and Biomedical Engineering students will be given priority for any additional spaces. Approval by course director and both program directors is required. GHS program dates differ from the UCSF Academic Calendar. Refer to the GHS MS calendar at <http://globalhealthsciences.ucsf.edu/education/masters-program/about-program/academic-calendar>

*Activities:* Lecture, Seminar

This course covers chronic diseases of global health importance such as cardiovascular illnesses, the emergence of diabetes, cancer, and respiratory disease as well as their risk factors. In addition, the course will emphasize the effects of climate change and environmental exposures. Other topics will include injuries, surgical interventions, humanitarian emergencies, and mental health. Students will learn about policy options and interventions to prevent and manage chronic illnesses.

**School:** Global Health**Department:** Global Health Sciences**May the student choose the instructor for this course?** No**Does enrollment in this course require instructor approval?** No**Course Grading Convention:** Letter Grade**Graduate Division course:** No**Is this a web-based online course?** No**Is this an Interprofessional Education (IPE) course?** No**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes**Repeat course for credit?** No**GLOBL HLTH 202D Social Determinants of Health (3 Units) Fall***Instructor(s):* Christopher Carpenter*Prerequisite(s):* None

Restrictions: Enrollment in MS in Global Health, unless expressly given permission by the course director and MS Program Director. Masters in Translational Medicine and Biomedical Engineering students will be given priority for any additional spaces. Approval by course director and both program directors is required. GHS program dates differ from the UCSF Academic Calendar. Refer to the GHS MS calendar at <http://globalhealthsciences.ucsf.edu/education/masters-program/about-program/academic-calendar>

*Activities:* Lecture, Seminar

This course describes cultural, social and economic issues, and the multiple methods of global health research to provide essential background for other core courses. Drawing on anthropology, sociology, public health, global health, and critical global health studies, the course examines factors (e.g. globalization, the impact of social, economic, and political systems, transnational organizations, culture, race, class, gender, sexuality, disability) that create and sustain disparities.

**School:** Global Health**Department:** Global Health Sciences**May the student choose the instructor for this course?** No**Does enrollment in this course require instructor approval?** No**Course Grading Convention:** Letter Grade**Graduate Division course:** No**Is this a web-based online course?** No**Is this an Interprofessional Education (IPE) course?** No**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** No**Repeat course for credit?** No

## **GLOBL HLTH 202F Strategic Information in Global Health (2 Units) Winter**

*Instructor(s):* Ali Mirzazadeh

*Prerequisite(s):* None

Restrictions: Enrollment in MS in Global Health, unless expressly given permission by the course director and MS Program Director. Masters in Translational Medicine and Biomedical Engineering students will be given priority for any additional spaces. Approval by course director and both program directors is required. GHS program dates differ from the UCSF Academic Calendar. Refer to the GHS MS calendar at <http://globalhealthsciences.ucsf.edu/education/masters-program/about-program/academic-calendar>

Activities: Lecture, Seminar

This course will cover the following topics: use of surveillance and programmatic data for estimating burden of disease and trends in disease; sampling and estimating size of hard-to-reach populations (e.g., respondent-driven sampling, time-location sampling, capture-recapture); data synthesis and triangulation; monitoring and evaluation.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** Letter Grade

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** No

## **GLOBL HLTH 203A Global Health Practice Seminar (2 Units) Fall**

*Instructor(s):* Christopher Carpenter

*Prerequisite(s):* None

Restrictions: Enrollment in MS in Global Health, unless expressly given permission by the course director and MS Program Director. Masters in Translational Medicine and Biomedical Engineering students will be given priority for any additional spaces. Approval by course director and both program directors is required. GHS program dates differ from the UCSF Academic Calendar. Refer to the GHS MS calendar at <http://globalhealthsciences.ucsf.edu/education/masters-program/about-program/academic-calendar>

Activities: Lecture, Seminar

This goal of this year-long course is to cultivate all of the skills necessary to develop and complete a capstone proposal. At the end of this course, students will be proficient in: 1) Scientific Writing, 2) Team-based Learning, 3) Presentation Skills, and 4) Ethics, and 5) Scientific Process. The skills built to complete a successful capstone project will be applicable to future global health career paths.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** Letter Grade

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** No

**Repeat course for credit?** No

**GLOBL HLTH 203B Global Health Practice Seminar (2 Units) Winter***Instructor(s):* Alden Blair, Tracy Lin*Prerequisite(s):* None

Restrictions: Enrollment in MS in Global Health, unless expressly given permission by the course director and MS Program Director. Masters in Translational Medicine and Biomedical Engineering students will be given priority for any additional spaces. Approval by course director and both program directors is required. GHS program dates differ from the UCSF Academic Calendar. Refer to the GHS MS calendar at <http://globalhealthsciences.ucsf.edu/education/masters-program/about-program/academic-calendar>

*Activities:* Lecture, Seminar

This goal of this year-long course is to cultivate the skills necessary to develop and complete a capstone proposal. At the end of this course, students will be proficient in: 1) Scientific Writing, 2) Scientific Process, 3) Presentation Skills, and 4) Ethics. The project will require mastery of these four proficiencies. In each quarter, we will build on each of these proficiencies. The overall goal of this course is to establish skills that are applicable to future global health career paths.

**School:** Global Health**Department:** Global Health Sciences**May the student choose the instructor for this course?** No**Does enrollment in this course require instructor approval?** No**Course Grading Convention:** Letter Grade**Graduate Division course:** No**Is this a web-based online course?** No**Is this an Interprofessional Education (IPE) course?** No**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** No**Repeat course for credit?** No**GLOBL HLTH 203C Global Health Practice Seminar (2 Units) Spring***Instructor(s):* Alden Blair, Tracy Lin*Prerequisite(s):* None

Restrictions: Enrollment in MS in Global Health, unless expressly given permission by the course director and MS Program Director. Masters in Translational Medicine and Biomedical Engineering students will be given priority for any additional spaces. Approval by course director and both program directors is required. GHS program dates differ from the UCSF Academic Calendar. Refer to the GHS MS calendar at <http://globalhealthsciences.ucsf.edu/education/masters-program/about-program/academic-calendar>

*Activities:* Lecture, Seminar

This goal of this year-long course is to cultivate the skills necessary to develop and complete a capstone proposal. At the end of this course, students will be proficient in: 1) Scientific Writing, 2) Scientific Process, 3) Presentation Skills, and 4) Ethics. The project will require mastery of these four proficiencies. In each quarter, we will build on each of these proficiencies. The overall goal of this course is to establish skills that are applicable to future global health career paths.

**School:** Global Health**Department:** Global Health Sciences**May the student choose the instructor for this course?** No**Does enrollment in this course require instructor approval?** No**Course Grading Convention:** Letter Grade**Graduate Division course:** No**Is this a web-based online course?** No**Is this an Interprofessional Education (IPE) course?** No**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes**Repeat course for credit?** No

## **GLOBL HLTH 203D Global Health Practice Seminar (2 Units) Summer**

*Instructor(s):* Alden Blair, Tracy Lin

*Prerequisite(s):* None

Restrictions: Enrollment in MS in Global Health, unless expressly given permission by the course director and MS Program Director. Masters in Translational Medicine and Biomedical Engineering students will be given priority for any additional spaces. Approval by course director and both program directors is required. GHS program dates differ from the UCSF Academic Calendar. Refer to the GHS MS calendar at <http://globalhealthsciences.ucsf.edu/education/masters-program/about-program/academic-calendar>

Activities: Lecture, Seminar

This is part four of a year-long course intended to develop all the skills necessary to complete and develop a capstone proposal. The five main proficiencies are: 1) Scientific Writing, 2) Team-based Learning Skills, 3) Professional Development, 4) Presentation Skills, and 5) Scientific Process. The development and successful completion of the capstone project will require mastery of these proficiencies. This course will establish skills that are applicable to future global health career paths.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** Letter Grade

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** No

## **GLOBL HLTH 204A Global Health Capstone (3 Units) Spring**

*Instructor(s):* Alden Blair, Tracy Lin

*Prerequisite(s):* None

Restrictions: Enrollment in MS in Global Health, unless expressly given permission by the course director and MS Program Director. Masters in Translational Medicine and Biomedical Engineering students will be given priority for any additional spaces. Approval by course director and both program directors is required. GHS program dates differ from the UCSF Academic Calendar. Refer to the GHS MS calendar at <http://globalhealthsciences.ucsf.edu/education/masters-program/about-program/academic-calendar>

Activities: Seminar, Fieldwork

All students will enroll in this course while completing their independent capstone project. Students will be responsible for continually assessing their own progress and discussing with their mentors their progress and the application of their didactic learning to their particular setting. They will spend the entire two months on this project.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** No

## **GLOBL HLTH 204B Global Health Capstone (3 Units) Summer**

*Instructor(s):* Alden Blair, Tracy Lin

*Prerequisite(s):* None

Restrictions: Enrollment in Global Health Sciences Masters Degree Program, unless expressly given permission by the course director and MS Program Director. Due to a special agreement with the Masters in Translational Medicine and the Biomedical Engineering Programs, those students will be given priority for any additional spaces in selected courses. However, approval by course director and both program directors required.

*Activities:* Seminar, Fieldwork

The Capstone project provides a rich opportunity to explore an interest area in considerable depth. You are required to develop a longitudinal project, starting in the fall quarter, culminating in a final written and oral presentation at the end of summer quarter. Students will work closely with the Practice Seminar (GHS 203) course faculty to develop an appropriate project based on interest, skills and an available field site where UCSF has an ongoing project.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** No

## **GLOBL HLTH 205 Global Health Policy (3 Units) Winter**

*Instructor(s):* Laura Schmidt

*Prerequisite(s):* Successful completion of GHS 201A, 201B, 202A, 202B, 203A, and 203B.

Restrictions: Enrollment in MS in Global Health, unless expressly given permission by the course director and MS Program Director. Masters in Translational Medicine and Biomedical Engineering students will be given priority for any additional spaces. Approval by course director and both program directors is required. GHS program dates differ from the UCSF Academic Calendar. Refer to the GHS MS calendar at <http://globalhealthsciences.ucsf.edu/education/masters-program/about-program/academic-calendar>

*Activities:* Lecture, Seminar

This course will introduce policy and development in the context of global health. Students will examine the structure and function of evidence-based policy planning and implementation using selected case studies. Learning the skills of assessment, monitoring, and evaluation, students will examine global health development interventions ranging from disease control to eradication to health promotion. Use of guest lecturers will acquaint the students with field experiences and practical outcomes.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** Letter Grade

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** No



## **GLOBL HLTH 206 Introduction to Epidemiology (3 Units) Fall**

*Instructor(s):* Mohsen Malekinejad

*Prerequisite(s):* None

Restrictions: Enrollment in MS in Global Health, unless expressly given permission by the course director and MS Program Director. Masters in Translational Medicine and Biomedical Engineering students will be given priority for any additional spaces. Approval by course director and both program directors is required. GHS program dates differ from the UCSF Academic Calendar. Refer to the GHS MS calendar at <http://globalhealthsciences.ucsf.edu/education/masters-program/about-program/academic-calendar>

Activities: Lecture, Seminar

To introduce basic principles of biomedical epidemiology research. Topics: goals and basic principles of epidemiology for public health research, descriptions of the basic study designs used in epi (case-control, cohort, cross-sectional, ecologic, descriptive and others), common errors seen in epi (confounding and bias) and how epi research is used to advance public health. Specific topics: study design, bias, confounding, data collection, ethics, causal inference, and meta-analysis.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** Letter Grade

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** No

## **GLOBL HLTH 207 Introduction to Biostatistics (6 Units) Fall**

*Instructor(s):* Ali Mirzazadeh

*Prerequisite(s):* None

Restrictions: Enrollment in MS in Global Health, unless expressly given permission by the course director and MS Program Director. Masters in Translational Medicine and Biomedical Engineering students will be given priority for any additional spaces. Approval by course director and both program directors is required. GHS program dates differ from the UCSF Academic Calendar. Refer to the GHS MS calendar at <http://globalhealthsciences.ucsf.edu/education/masters-program/about-program/academic-calendar>

Activities: Lecture, Seminar

This course will provide an introduction to biostatistics. Topics from probability and descriptive statistics through to bivariate analyses and concluding with multivariable modeling theory. Parametric and nonparametric statistical methods will be taught. R statistical software will be used for analyses.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** Letter Grade

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** No

**Repeat course for credit?** No

## **GLOBL HLTH 208 Women's Health, Gender and Empowerment (3 Units) Winter**

*Instructor(s):* Mara Decker

*Prerequisite(s):* None

Restrictions: Enrollment in MS in Global Health, unless expressly given permission by the course director and MS Program Director. Masters in Translational Medicine and Biomedical Engineering students will be given priority for any additional spaces. Approval by course director and both program directors is required. GHS program dates differ from the UCSF Academic Calendar. Refer to the GHS MS calendar at <http://globalhealthsciences.ucsf.edu/education/masters-program/about-program/academic-calendar>

Activities: Lecture, Seminar

The course provides knowledge and skills from several disciplines on how to improve women's health globally. It aims to expand students' understanding of the interconnected factors that influence women's health and empowerment - including foundations of sexual and reproductive health, economic development, political frameworks and global reproductive rights, demographic and social changes, basic principles of empowerment theory, educational opportunities, and advances in gender equity.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** Letter Grade

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** No

**Repeat course for credit?** No

## **GLOBL HLTH 209 Comparative Health Systems: Financing and Delivering Health (3 Units) Winter**

*Instructor(s):* Christopher Carpenter

*Prerequisite(s):* None

Restrictions: Enrollment in MS in Global Health, unless expressly given permission by the course director and MS Program Director. Masters in Translational Medicine and Biomedical Engineering students will be given priority for any additional spaces. Approval by course director and both program directors is required. GHS program dates differ from the UCSF Academic Calendar. Refer to the GHS MS calendar at <http://globalhealthsciences.ucsf.edu/education/masters-program/about-program/academic-calendar>

Activities: Lecture, Seminar

This course will examine the most important models for financing and delivering health care around the world. The course will provide a historical and cultural perspective on how countries organize their health systems, and discuss the implications of these policy choices on cost, access, and quality of care.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** Letter Grade

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** No

**Repeat course for credit?** No

## **GLOBL HLTH 210 Conflict, Health, and Human Rights (3 Units) Winter**

*Instructor(s):* Alden Blair

*Prerequisite(s):* Students taking this course should have a working understanding of epidemiological research methods including study designs (e.g. cohort, case-control, etc), bias, and confounding. There are no specific course prerequisites.

*Restrictions:* Enrollment in MS in Global Health, unless expressly given permission by the course director and MS Program Director. Masters in Translational Medicine and Biomedical Engineering students will be given priority for any additional spaces. Approval by course director and both program directors is required. GHS program dates differ from the UCSF Academic Calendar. Refer to the GHS MS calendar at <http://globalhealthsciences.ucsf.edu/education/masters-program/about-program/academic-calendar>

*Activities:* Lecture, Seminar

Conflict and human rights violations continue to be a major concern for millions of people around the globe, facing violence, discrimination and threats to their lives, livelihoods and well-being. Traditional human rights reporting focuses on documentation of egregious or individual cases based on a legal approach. This course explores the epidemiological frameworks and methodologies to better assess and document the impacts of conflict on human health.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** Yes

**Course Grading Convention:** Letter Grade

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** No

## **GLOBL HLTH 217 Doctoral Seminar (2 Units) Fall, Winter, Spring**

*Instructor(s):* Elizabeth Fair, Ali Mirzazadeh

*Prerequisite(s):* None.

*Restrictions:* This seminar is only offered to PhD in Global Health Sciences students.

*Activities:* Seminar, Workshop

The global health doctoral seminar is designed to educate students about interdisciplinary approaches to global health challenges, provide professional development and career training/mentorship in global health research, and enable students to advance their academic and research skills, with the ultimate goal of facilitating the development of the doctoral student's capacity to conduct research in global health.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** Yes

## **GLOBL HLTH 248 Teaching Residency (1-2 Units) Fall, Winter, Spring**

*Instructor(s):* Staff

*Prerequisite(s):* Consent of Instructor

*Restrictions:* Enrollment in Global Health Sciences PhD Program.

The purpose of the teaching residency is to allow students to increase their knowledge in an area of interest, to present and explain the material to others in an effective manner, and to build their base of teaching experience in preparation for future academic positions.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** Yes

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** Yes

**GLOBL HLTH 249 Research Rotation (2 Units) Fall, Winter, Spring, Summer***Instructor(s):* Staff*Prerequisite(s):* Completion of first quarter of doctoral study and consent of adviser.*Restrictions:* Enrollment in Global Health Sciences PhD Program.*Activities:* Lab science

The student will participate in ongoing faculty research. This experience will contribute to the students methodological or substantive expertise. Research Rotations provide extensive specialized experiential training with a specific deliverable (e.g. survey instrument, statistical plan, manuscript). During the Research Rotation the student is apprenticed under a specific member of the research team (the Rotation Director), who manages and is responsible for the experience.

*School:* Global Health*Department:* Global Health Sciences*May the student choose the instructor for this course?* Yes*Does enrollment in this course require instructor approval?* No*Course Grading Convention:* P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)*Graduate Division course:* No*Is this a web-based online course?* No*Is this an Interprofessional Education (IPE) course?* No*May students in the Graduate Division (i.e. pursuing Master or PhD)**enroll in this course?* Yes*Repeat course for credit?* Yes**GLOBL HLTH 250 Research (1-8 Units) Fall, Winter, Spring, Summer***Instructor(s):* Staff*Prerequisite(s):* Completion of Global Health Sciences PhD core curriculum coursework*Restrictions:* Enrollment in Global Health Sciences PhD program*Activities:* Project

This course allows PhD students who are involved with Global Health research to obtain credit for their research.

*School:* Global Health*Department:* Global Health Sciences*May the student choose the instructor for this course?* Yes*Does enrollment in this course require instructor approval?* Yes*Course Grading Convention:* P/NP (Pass/Not Pass) or S/U (Satisfactory/Unsatisfactory)*Graduate Division course:* No*Is this a web-based online course?* No*Is this an Interprofessional Education (IPE) course?* No*May students in the Graduate Division (i.e. pursuing Master or PhD)**enroll in this course?* Yes*Repeat course for credit?* Yes**GLOBL HLTH 251 Global Health Development and Inequity (2 Units) Fall***Instructor(s):* George Rutherford*Prerequisite(s):* None*Restrictions:* First year PhD in Global Health Sciences students or consent of instructor.*Activities:* Lecture, Seminar

This course serves as a foundation for doctoral level studies in global health. It assumes a basic familiarity with the fundamental principles and concepts in global health. Students will study the social and environmental factors affecting health, major global health challenges, and the role of national, multilateral and non-governmental actors. The course will also serve to introduce the students to the UCSF global health community, both within and beyond GHS.

*School:* Global Health*Department:* Global Health Sciences*May the student choose the instructor for this course?* No*Does enrollment in this course require instructor approval?* No*Course Grading Convention:* Letter Grade*Graduate Division course:* No*Is this a web-based online course?* No*Is this an Interprofessional Education (IPE) course?* No*May students in the Graduate Division (i.e. pursuing Master or PhD)**enroll in this course?* Yes*Repeat course for credit?* No**GLOBL HLTH 252 Comparative Health Systems and Financing (2 Units) Fall***Instructor(s):* Dominic Montagu*Prerequisite(s):* None*Restrictions:* Priority given to students enrolled in the PhD in Global Health Sciences program. Open to students in other programs with consent of instructor.*Activities:* Lecture, Seminar

This course examines the most important models for financing and delivering health care around the world. Students will be taught to map and analyze the health systems of countries at various income levels, and to assess the strengths and weaknesses of these systems in achieving health goals. Students will learn about current debates about health systems, health financing, and Universal Health Coverage (UHC). Innovative models of health services delivery and financing will be presented.

*School:* Global Health*Department:* Global Health Sciences*May the student choose the instructor for this course?* No*Does enrollment in this course require instructor approval?* No*Course Grading Convention:* Letter Grade*Graduate Division course:* No*Is this a web-based online course?* No*Is this an Interprofessional Education (IPE) course?* No*May students in the Graduate Division (i.e. pursuing Master or PhD)**enroll in this course?* Yes*Repeat course for credit?* No

## **GLOBL HLTH 253 Global Health Policy (2 Units) Winter**

*Instructor(s):* Laura Schmidt

*Prerequisite(s):* Students are encouraged to review the more basic curriculum of the Masters program and to particularly take advantage of materials housed on the website of GHS 205, Global Health Policy.

*Restrictions:* Priority given to students enrolled in the PhD in Global Health Sciences program. Open to students in other programs with consent of instructor.

*Activities:* Lecture, Seminar

This course is an intensive exploration of theories of the global health policymaking process. It provides an advanced, high-level perspective on stages of the policy process, from agenda-setting, to policy development, to implementation. Course materials include foundational readings in policy literature and contemporary accounts. Discussions are tailored to address the substantive cases that will preoccupy students during their qualifying exams and dissertation research.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** Letter Grade

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** No

## **GLOBL HLTH 254 Research Ethics and Practice in Global Health (2 Units) Spring**

*Instructor(s):* Nadia Diamond-Smith, Patience Afulani

*Prerequisite(s):* None

*Restrictions:* Priority given to students enrolled in the PhD in Global Health Sciences program. Open to students in other programs with consent of instructor.

*Activities:* Lecture, Seminar

This pro-seminar will consist of 10 seminars based on discussions of research ethics and their application to the realities of conducting research in the field. We will bring in guests with expertise in ethics and research application, and engage in lively discussion and case studies. Students will be challenged to develop their own cultural framework and consider how they might engage in more ethically focused research and address potential ethical quandaries in their future research.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** Yes

**Course Grading Convention:** Letter Grade

**Graduate Division course:** No

**Is this a web-based online course?** Yes

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** No

## **GLOBL HLTH 255 Global Health Economics Doctoral Seminar (3 Units) Fall, Winter**

*Instructor(s):* Tracy Lin, Jenny Liu

*Prerequisite(s):* None

*Restrictions:* First- and second-year PhD in Global Health Sciences students or consent of instructor.

*Activities:* Lecture, Seminar

This course examines the economics of health and health care as it applies to global health. Students will be introduced to an economic conceptual framework for thinking about the challenges of health improvement in poor countries. The course will survey a range of topics related to determinants of health and the organization, delivery, and financing of health care.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** Letter Grade

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** No

## **GLOBL HLTH 256 Global Health Architecture and Diplomacy (2 Units) Spring**

*Instructor(s):* Jaime Sepulveda

*Prerequisite(s):* This course is designed for doctoral level students who want to expand their knowledge of Global Health architecture and diplomacy. Students will be expected to have general knowledge about Global Health, including its main players and stakeholders as well as to keep up with the corresponding readings and assignments for each lecture and seminar.

*Restrictions:* Priority given to students enrolled in the PhD in Global Health Sciences program. Open to students in other programs with consent of instructor.

*Activities:* Lecture, Seminar

This doctoral seminar reviews the current health worldwide system—from UN agencies and governmental agencies to multilaterals, NGO's and civil society. It also examines how health has been historically a powerful diplomatic tool. The course will be taught by global leaders of each topic through a combination of lecture, seminars and independent readings and study.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** Letter Grade

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD) enroll in this course?** Yes

**Repeat course for credit?** No

## **GLOBL HLTH 260 Epidemiologic Methods for Global Health Research (4 Units) Fall**

*Instructor(s):* Elizabeth Fair

*Prerequisite(s):* None

**Restrictions:** This course is intended for first year PhD students in Global Health Sciences. Additional Doctoral Students may join with approval of instructor.

**Activities:** Lecture, Project, Discussion

Epidemiology includes the study of the distribution and determinants of disease and causes of health-related states or events in populations; it is a foundational skill required for global health research. This course will provide the epidemiologic theory and technical skills, as well as international context and values of collaborative practice, that will allow students to apply epidemiologic methods and design studies in diverse global settings and populations.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** No

**Does enrollment in this course require instructor approval?** Yes

**Course Grading Convention:** Letter Grade

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD)**

**enroll in this course?** No

**Repeat course for credit?** No

## **GLOBL HLTH 294 Independent Study (1-6 Units) Fall, Winter, Spring, Summer**

*Instructor(s):* Staff

*Prerequisite(s):* None.

**Restrictions:** None

**Activities:** Independent Study

This independent study course will involve in-depth study in a chosen field of global health importance that will result in a grant submission, publication or research paper. The student will submit an outline of goals and objectives that must be approved by the Program Director and the Faculty Advisor.

**School:** Global Health

**Department:** Global Health Sciences

**May the student choose the instructor for this course?** Yes

**Does enrollment in this course require instructor approval?** No

**Course Grading Convention:** Letter Grade

**Graduate Division course:** No

**Is this a web-based online course?** No

**Is this an Interprofessional Education (IPE) course?** No

**May students in the Graduate Division (i.e. pursuing Master or PhD)**

**enroll in this course?** Yes

**Repeat course for credit?** No