

GHM-Global Health Medicine

Courses

GHM 601. Global Health Foundations I. 3 Hours.

Foundations of Global Health I provide students with essential tools for critically assessing problems in global health policy from a global, and national/local perspectives. Since 2015, the United Nations Sustainable Development Goals (SDGs) have become a set of guiding objectives in a large range of health-related policy development. The implementation of these SDGs in growing urban contexts often reveals tensions or contradictions between the local and the national and global context of policy frameworks that are often related to how a health problem has been framed and addressed. Through critical policy analysis, students learn to explore the tensions and also the synergies that can exist on different policy levels. Specifically, students will identify 3 global health priority issues for advocacy and identify funding sources to support either policy or intervention for those issues.

GHM 602. Global Health Foundations II. 3 Hours.

The transition to the world of project funding is an example of the complex and nuanced way the field of global health is changing. ON the one hand, experts increasingly believe that sustainable solutions for global health problems should be integrated into specific settings that require active involvement of local stakeholders, adjustments to beneficiaries' interests, preferences (responsive design), and integration into national and global health (care) policies and systems. On the other hand, the landscape of funding organizations seems to be moving in another direction, in which huge private philanthropic organizations are setting priorities that are disease0focusted and results-orientated. Foundations II provides you with the opportunity to experiment with ways of dealing with these tensions in the field of project proposal writing for Global Health; to develop the skills needed to address these tensions; and see whether you are able to address the complex challenges of "working" in the field of global health. In assessing problems in global health policy to developing project proposals which demonstrate that concrete solutions are indeed possible in the real world based upon this critical analysis. To this end, we have created a fictitious foundation called the Global Agency for International Development (GAID) that funds initiatives in global health The GAID will issue a Call for Proposal (CfP) that simulates many of the terms and conditions that you would encounter in the real world of global health funding. In responding to the proposal call your group should try to find a balance between your own values in regard to the problem and the views of the stakeholders/ beneficiaries; and the interest and perspectives of funders. This course will provide you with the academic rudiments needed to respond to this CfP.

GHM 604. Global Health Research Methods. 3 Hours.

This course provides an overview of theoretical and practical methodological tools and approaches in global health, and how they are applied to global health research to address pressing problems worldwide. We will examine key concepts and issues relevant to the quantitative and qualitative research methods used in various global health settings and overlapping disciplines, including Biostatistics, Epidemiology, Clinical Trials, Meta-analysis, and Implementation Studies, as well as Qualitative Methods. An additional aspect of this course will consider the global context, specifically the transnational and comparative settings (e.g., LICs vs. HICs; resource-rich vs. resource-scarce). The ethical and practical considerations of designing and conducting research in different geographic, socio-political, and resource settings will also be covered. The course aims to build students' core interdisciplinary skills in global health research, developing competencies relevant to a range of research, operational, and policy programs in the field.

GHM 612. Artificial Intelligence in Global Health. 3 Hours.

This course will provide tools and concepts to understand the foundations of AI and the complexities of applying it across different health settings. Students will design proposals for deploying an AI project in a low-resource setting. The course covers key applications of AI in global health and uses practical examples to highlight the challenges and opportunities that arise when implementing AI in such settings. It also addresses governance considerations at the global, regional, and institutional levels, as well as the ethical issues that emerge when applying AI within the global health field.

GHM 618. Global Surgery. 3 Hours.

This global surgery course will equip students with a holistic understanding of surgical care's pivotal role in public health, healthcare systems, and international development. It emphasizes the importance of interdisciplinary collaboration, funding mechanisms, policy advocacy, and equity in advancing surgical care worldwide. Following the tenets of global health and based on evidence on global health and global surgery core competencies.

GHM 680. Special Topics in Global Health Medicine. 3 Hours.

Rotating special topics course that can be taken as an elective for the degree.