

HSC 1394: INTRODUCTION TO GLOBAL HEALTH

Pre-requisite: None

Credit Hours: 3

3.11.1 Purpose of the Course

The purpose of this course is to provide students with a broad overview of global health and insight into the challenges currently facing global health.

3.11.2 Expected Learning outcomes of the Course

Upon completion of this course, students will be able to:

- (1) Evaluate the impact of research activities, emerging technologies and the private sector on global health;
- (2) Relate global health to individual rights such as right to sexual and reproductive health, mental health care, health care access including economic access;
- (3) Formulate strategies that strengthen community capabilities for overcoming barriers to health and well-being;
- (4) Analyze the political, socio-cultural, economic and environmental determinants of global health;
- (5) Analyze the major causes and contributing factors of global mortality and morbidity; and
- (6) Evaluate public health responses and health education strategies used in addressing selected global health problems.

3.11.3 Course Content

Introduction to Medical Terminologies. Principles and concepts in Global Health, global burden of diseases, social determinants of health, global health ethics and neglected tropical diseases. Global Health Governance and Health Systems, Epidemiological Transition, Infectious Diseases, Environment, Sanitation and Climate Change, Non-Communicable Diseases (NCDs), Mental Health and Injuries, Sexual and Reproductive Health and Rights (SRHR), Migration, Disasters and Emergency Health, Maternal and Child Health, Global Health Research and the Private Sector, Technology and Global Health; Health determinants- Measurement and trends; Gender, culture and global health; Education, poverty, economics and global health; Key global health policy issues.

3.11.4 Mode of Delivery

Lectures; Class discussions; Case analyses; term papers; additional readings

3.11.5 Instructional Materials and Equipment

Computers, projectors, whiteboard, marker pens, audio visual equipment and e-learning platform on www.usiu.ac.ke/blackboard

3.11.6 Course Assessment

Attendance and participation	10%
Quizzes	10 %
Individual Assignment	10%
Group Assignment	15%
Mid-Trimester Exam	25%
<u>Final examination</u>	<u>30%</u>
TOTAL	100%

3.11.7 Core Reading Material for the Course

Textbooks

Jacobsen K. (2013). *Introduction to global health*. (2nd ed.). Jones & Bartlett Learning, LLC.

Journals

The Journal of Global Health

Global Health: Science and Practice Journal

E-materials <http://www.globalissues.org>

<http://www.stimson.org/globalhealth/programhome.cfm>

<http://www.cugh.org/educational-resources>

3.11.8 Recommended Reference Materials

Textbooks

Markle, William H. (2014). *Understanding global health* (2nd ed.). McGraw-Hill Medical.

Merson, M, Black, R, Mills, A. (2012). *Global health: diseases, programs, systems, and policies*,(3rd ed.). Jones & Bartlett Learning.

Skolnik, R. L. (2016). *Global health 101* (3rd ed.). Jones & Bartlett Learning.

Journals

Journal of Local and Global Health Perspectives

Journal of Disease and Global Health

E-materials www.globalhealthedu.org <http://www.thelancet.com/journals/lancet/>

\

3.37 HSC 4496: RESEARCH METHODS IN HEALTH SCIENCES

Pre-requisites: HSC 3492

Credit Units: 3

3.37.1 Purpose of the Course

The purpose of this course is to introduce the learner to the principles of research methodology as relevant to the health sciences and equip students with the basic research skills necessary for their continuing professional education.

3.37.2 Expected Learning Outcomes of the Course

Upon successful completion of the course, the learner will be able to:

- (1) Describe the different types of methodological approaches to research
- (2) Assess the appropriateness of different kinds of research designs and methodology in health field
- (3) Critically review literature through the use of valid resources, and thereby provide informed opinion.
- (4) Design and write a research proposal
- (5) Undertake a library and field research;
- (6) Analyze and interpret health data
- (7) Write a research report.

3.37.3 Course Content

Introduction; role of research; Research planning; Research Paradigms: Quantitative, Qualitative and Mixed Method Research. Research designs. Overview of the research process. Literature review. Conceptual framework & theoretical framework. Library research and references Guide. Methodological approaches - Case studies, Meta-analysis and meta-synthesis. Sampling. Instrument development and administration. Ethics in research; Sourcing health and scientific literature; Report writing and referencing, Data Management. Concepts of prevalence, incidence, distributions, effect estimates, risk assessments, statistical power and significance and be able to suggest study designs as well as data collection and analysis.

3.37.4 Mode of Delivery

Lectures; Class discussions; Case analyses; term papers; Directed readings; Research and out-of-class assignments

3.37.5 Instructional Materials and Equipment

Computers, projectors, whiteboard, marker pens, audio visual equipment and e-learning platform

3.37.6 Course Assessment Attendance

and participation 10% Quizzes

10 % Individual Assignment

10% Group Assignment

15% Mid-Trimester Exam

25% Final examination

30% TOTAL

100%

3.37.7 Core Reading Material for the Course

Textbooks

Wayne W. D. et al. (2013). *A foundation for analysis in the health sciences*. New York: Wiley.

Creswell, W. J. (2013). *Research design: Qualitative, quantitative, and mixed methods approaches* (4th ed.). Sage Publications.

Colin Robson (2011), *Real world research: a resource for users of social research methods in applied settings*. Chichester : Wiley.

Journals

Qualitative health research

BMC Health Services Research

E-materials

<http://www.ccrm.in/>

<http://ecu.au.libguides.com>

3.37.8 Recommended Reference Materials

Textbooks

McKenzie, F. J. (2016). *An Introduction to Community & Public Health* (8th ed.). Jones & Bartlett Learning.

Journals

Research Methods Journal

E-materials

Research Administration: The Bridge to Sustainable Research