

University of Florida
College of Public Health & Health Professions Syllabus
PHC 3440: Global Public Health (3 credits)
 Spring 2020
 Delivery Format: On-Campus
 Course website: E-Learning via Canvas
 Classroom: **HPNP G312**

Instructor Names:	Rachel Yoho, PhD	Eric Coker, PhD
Room Numbers:	HPNP 4152	HPNP 4159
Phone Numbers:	352-273-6166	352-273-6162
Email Address:	ryoho@phhp.ufl.edu	eric.coker@phhp.ufl.edu
Office Hours:	Wednesdays, 1-3pm, and by apt.	Tuesdays, 9:00AM-11:30AM

Class meeting time: Tuesday 11:45 – 1:40pm (G103), Wednesday 9:35 – 10:25am (G101)
 Preferred Course Communications: Canvas Email System

Teaching Assistants: Emi Moore, PhD Candidate
 Email Address: emilyvmoore@ufl.edu

Prerequisites

PHC 4101 and minimum of Junior standing.

PURPOSE AND OUTCOME

Course Overview

Low-income countries bear a disproportionate burden of disease globally. Global health challenges include maternal mortality, child under-nutrition, HIV/AIDS, malaria, tuberculosis, neglected tropic diseases, multiple environmental pollution problems, and emerging chronic diseases and pathogens (among others). These Global Health challenges are shaped by and also serve to shape social processes and phenomena, including urbanization, migration, political conflict, economic inequalities, and gender dynamics. Global public health focuses on developing effective and appropriate solutions at the global, regional and local levels.

The course examines these health threats, the public health model, and their relationship with social processes from an interdisciplinary perspective. The course also examines how social and technical innovations provide new opportunities to address these challenges.

Course Objectives:

This course is designed enable students to achieve a set of content, critical thinking, and communications objectives.

Content

1. Describe the key global health threats and their causes or etiology
2. Use literature and evidence to identify risk factors for key health threats

3. Describe how social, economic, cultural, environmental, and institutional factors can influence key global health threats
4. Use data as evidence to identify key health threats and describe patterns of morbidity and mortality in a particular country or context
5. Identify key actors in global health at the national, regional, and international level

Critical thinking

6. Use evidence to assess priority illnesses and threats in different contexts
7. Identify and compare appropriate interventions or solutions for specific health threats in different contexts
8. Describe how ethical considerations affect the design of global health interventions and solutions
9. Analyze the factors that contribute to the success or failure of global health partnerships

Communication

10. Understand and identify cultural factors that influence the perception of health threats
11. Assess, critique and design behavior change communications for a specific context
12. Develop a targeted policy and advocacy communication to address a global health threats

In addition, the course is designed to contribute to professional competencies essential for the effective and ethical practice of global public health. The Association of Schools and Programs of Public Health (ASPPH) has developed a set of Global Health Competencies identified by the available at (<http://www.aspph.org/educate/models/masters-global-health/>). These are competencies designed for students in Master's degree programs, but this course is designed to contribute to achieving these competencies as well. The main competency domains are:

- Capacity building
- Collaborating and partnering
- Ethical reasoning
- Health equity
- Program management
- Social and political awareness
- Strategic analysis

Instructional Methods

The class will meet twice weekly. The first session will introduce and review key concepts and knowledge, including etiology, risk factors, and control for the specific health threats. These issues will also be covered by in-class lectures, readings and occasional pre-recorded lectures. For example, the first session will cover strategies and efforts at the local, national and global levels and discussions of the effect of social, economic and environmental factors on disease distribution. The first session will include lecture, discussion and small group activities to explore these issues further. The second weekly session will focus on team activities. Most of these will be around assignments and other related activities.

What is expected of you?

You are expected to actively engage in the course throughout the semester. You must come to class prepared by completing all out-of-class assignments. This preparation gives you the knowledge or practice needed to engage in higher levels of learning during the live class sessions. If you are not prepared for the face-to-face sessions, you may struggle to keep pace with the activities occurring in the live sessions, and it is unlikely that

you will reach the higher learning goals of the course. Similarly, you are expected to actively participate in the live class. Your participation fosters a rich course experience for you and your peers that facilitate overall mastery of the course objectives.

DESCRIPTION OF COURSE CONTENT

Course Materials and Technology

Required Textbook: Markle, W. H., Fisher, M. A., & Smego, R. A. (2014). *Understanding global health* (2nd Ed.). New York: McGraw-Hill Medical.

Additional Required Readings: Posted within each module on the course website.

Lectures & Videos: Posted within each module on the course website.

Course Website: The course website is available at <http://elearning.ufl.edu>. The weekly schedule, all modules, and all course materials (including links for quizzes) are available through this website. Grades will be posted on this website. You will log into the course website using your gatorlink ID and password; if you have trouble logging in, please contact the Help Desk at 352-392-HELP.

Announcements: Class announcements will be sent via the announcements tool in eLearning. Depending on your CANVAS notification settings, you may or may not be notified via email; you are responsible for all information in these announcements whether or not you see them in your email.

For technical support for this class, please contact the UF Help Desk at:

- Learning-support@ufl.edu
- (352) 392-HELP - select option 2
- <https://lss.at.ufl.edu/help.shtml>

ACADEMIC REQUIREMENTS AND GRADING

Course Components: (Note: Detailed instructions will be provided on eLearning as due dates get closer). Students' progress towards achieving the course learning objectives will be assessed through three types of assignments

1. **Weekly quizzes (10 quizzes; 10%).** These are short online assessments conducted at the beginning of each class lecture day. These assessments are designed to test whether students have the basic knowledge, definitions, and concepts related to the previous week's focal health topic. This includes information on causes, risk factors, and effective control strategies. Quizzes will be completed online through Canvas within the classroom.
2. **Written Assignments (4 assignments; 40%).** These assignments focus primarily on developing and applying critical thinking skills. Four assignments will be completed. Each assignment will require students to analyze the topic and use both generalized data from the literature and context specific data on conditions in their assigned country for the course.

3. Country Profiles (Student led seminar and individual paper; 40%). Students will be assigned to groups to work on a specific country. Throughout the semester, students will be presented with cases related to the current week's topic and be tasked with developing creative solutions.

Student led seminar (20%):

Work in your assigned groups to present on the topic for an assigned week and how it specifically affects your assigned developing country. Do NOT provide a repeat of the previous lecture on the particular topic from that week. This presentation/activity should be about the week's topic (mental health, diarrhea, etc.) in your assigned country. Groups do NOT have to do PowerPoints. Creativity is encouraged! Be interactive, use props, create a video, etc. Have fun with this assignment but remember to get the information across. Group presentations will be given in order of assigned week. The schedule of student lead seminars are shown in the course schedule.

Individual Analysis Paper (20%):

Choose ONE global health issue within your assigned country and write an in-depth analysis paper (2 pages minimum and 4 pages maximum). The main purpose of this analysis paper is to provide the opportunity to synthesize the information you have gathered during the course while examining, in-depth, a specific global health issue you believe is important. The analysis should clearly identify a specific health issue affecting a region of the world and/or specific population within your assigned country. It can be one of the SDGs or a topic previously discussed, but it cannot be the topic for your assigned student seminar.

4. Peer Reports (2 reports; 10%). Students will write two separate reports based on each country they have been assigned to provide a peer report on. The countries for the peer reports are different than the country that each student has been assigned to for their own Country Profile assignment. The Peer Reports provides a brief summary of the Country Profile presented by another group. This assignment is designed to assess each student's comprehension of the other group's Country Profile presentations.

Grading

All grades will be posted on the course website. If a student notices a discrepancy in any grade as it appears online, s/he must contact the course instructors within **one week** of the posting date in order to have the problem addressed. Students may not wait until the end of the semester to contest a grade.

Final grades will be rounded using standard rounding rules.

Requirement	Due Date	Percentage	Points
Weekly Quizzes	Ongoing (10 total)	10%	100
Assignments	Ongoing (4 total)	40%	400
Country Profiles	TBA	40%	400
Peer Reports	Ongoing (2 total)	10%	100
TOTAL		100%	1000

Please be aware that a C- is not an acceptable grade for graduate students. A grade of C counts toward a graduate degree only if an equal number of credits in courses numbered 5000 or higher have been earned with an A. In addition, the Bachelor of Public Health Program does not use C- grades.

You must include the letter grade to grade point conversion table below. Letter grade to grade point conversions are fixed by UF and cannot be changed.

Letter Grade	A	A-	B+	B	B-	C+	C	D+	D	D-	E	WF	I	NG	S-U
Grade Points	4.0	3.67	3.33	3.0	2.67	2.33	2.0	1.33	1.0	0.67	0.0	0.0	0.0	0.0	0.0

For greater detail on the meaning of letter grades and university policies related to them, see the Registrar's Grade Policy regulations at:

<http://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

Policy Related to Required Class Attendance

Students are responsible for satisfying all academic objectives as defined by the instructor. Absences from class require **prior notification**. *This notification must be sent to both the instructor and TA.* If no prior notification of an absence is provided, the student must send an email to the instructors and TA as soon as possible.

All faculty are bound by the UF policy for excused absences. For information regarding the UF Attendance Policy see the Registrar website for additional details:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

STUDENT EXPECTATIONS, ROLES, AND OPPORTUNITIES FOR INPUT

Expectations Regarding Course Behavior

Classroom Etiquette:

Please treat all individuals in the classroom with respect at all times, including fellow students, instructors, and guests. Turn off all electronics upon entering the classroom. Please make every attempt to arrive to class on time. The use of laptops is permitted for class work and only when instructed. The class is meant to be engaging so students are encouraged to ask questions of the instructors and any guest lecturers. However, please keep side conversations to a minimum.

Communication Guidelines

Students who have questions that cannot be answered during class time should use the CANVAS email system or office hours as mechanisms for communicating with the instructor or TA. Office hours have been created to accommodate other courses as much as possible however a student may schedule alternate times to meet with the instructor or TA if the set times do not work. Students who cannot meet during office hours should use Canvas to contact the instructors or TA. Please be aware that students should allow 2 business days for a response to inquiries.

Academic Integrity

Students are expected to act in accordance with the University of Florida policy on academic integrity. As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge:

“We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.”

You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied:

“On my honor, I have neither given nor received unauthorized aid in doing this assignment.”

It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For additional information regarding Academic Integrity, please see Student Conduct and Honor Code or the Graduate Student Website for additional details:

<https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>

<http://gradschool.ufl.edu/students/introduction.html>

Please remember cheating, lying, misrepresentation, or plagiarism in any form is unacceptable and inexcusable behavior.

Online Faculty Course Evaluation Process

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

SUPPORT SERVICES

Accommodations for Students with Disabilities

If you require classroom accommodation because of a disability, you must register with the Dean of Students Office <http://www.dso.ufl.edu> within the first week of class. The Dean of Students Office will provide documentation of accommodations to you, which you then give to me as the instructor of the course to receive accommodations. Please make sure you provide this letter to me by the end of the second week of the course. The College is committed to providing reasonable accommodations to assist students in their coursework.

Counseling and Student Health

Students sometimes experience stress from academic expectations and/or personal and interpersonal issues that may interfere with their academic performance. If you find yourself facing issues that have the potential to or are already negatively affecting your coursework, you are encouraged to talk with an instructor and/or seek help through University resources available to you.

- The Counseling and Wellness Center 352-392-1575 offers a variety of support services such as psychological assessment and intervention and assistance for math and test anxiety. Visit their web site for more information: <http://www.counseling.ufl.edu>. On line and in person assistance is available.
- You Matter We Care website: <http://www.umatter.ufl.edu/>. If you are feeling overwhelmed or stressed, you can reach out for help through the You Matter We Care website, which is staffed by Dean of Students and Counseling Center personnel.
- The Student Health Care Center at Shands is a satellite clinic of the main Student Health Care Center located on Fletcher Drive on campus. Student Health at Shands offers a variety of clinical services. The clinic is located on the second floor of the Dental Tower in the Health Science Center. For more information, contact the clinic at 392-0627 or check out the web site at: <https://shcc.ufl.edu/>
- Crisis intervention is always available 24/7 from:
Alachua County Crisis Center
(352) 264-6789
<http://www.alachuacounty.us/DEPTS/CSS/CRISISCENTER/Pages/CrisisCenter.aspx>

Do not wait until you reach a crisis to come in and talk with us. We have helped many students through stressful situations impacting their academic performance. You are not alone so do not be afraid to ask for assistance.

Inclusive Learning Environment

Public health and health professions are based on the belief in human dignity and on respect for the individual. As we share our personal beliefs inside or outside of the classroom, it is always with the understanding that we value and respect diversity of background, experience, and opinion, where every individual feels valued. We believe in, and promote, openness and tolerance of differences in ethnicity and culture, and we respect differing personal, spiritual, religious and political values. We further believe that celebrating such diversity enriches the quality of the educational experiences we provide our students and enhances our own personal and professional relationships. We embrace The University of Florida's Non-Discrimination Policy, which reads, "The University shall actively promote equal opportunity policies and practices conforming to laws against discrimination. The University is committed to non-discrimination with respect to race, creed, color, religion, age, disability, sex, sexual orientation, gender identity and expression, marital status, national origin, political opinions or affiliations, genetic information and veteran status as protected under the Vietnam Era Veterans' Readjustment Assistance Act." If you have questions or concerns about your rights and responsibilities for inclusive learning environment, please see your instructor or refer to the Office of Multicultural & Diversity Affairs website: www.multicultural.ufl.edu

Course Schedule:

The first weeks are dedicated to introduction of key concepts and principles. These include: burden of disease, ethics, key global health actors, and socio-economic development and health. As the course moves on, each week we address a new health threat and explore its causes, risk factors, interventions, and overall efforts to control it. We use each of these discussions to highlight a new way in which social, economic and cultural factors affect health.

Weekly Schedule for Spring 2020:

Week	Topics and Cross-cutting Issues	Reading / Materials	Assignments
Week 1 January 7,8	Introduction to Global Public Health, Drs. Yoho & Coker Introductions; Syllabus; Lecture - Definitions, burden of disease, ethics, key actors, socio-economics, environment, health systems	Chapters 1 and 2 WHO Uganda Country profile http://www.who.int/countries/uga/en/	Class activity
Week 2 January 14,15	Environmental Health & Climate Change, Dr. Coker & Dr. Yoho Understand how environmental pollutants affect health. Key issues: water quality, air pollution, water and sanitation	Chapter 6	Class activity – Environmental Health
Week 3 January 21,22	HIV/AIDS & TB - Dr. Coker (HIV) & Dr. Seraphin (TB) Describes the epidemiology of HIV and TB, the development effective strategies for prevention and treatment, and global efforts to promote more effective action. Key issues: cultural challenges, ethics, equitable access, global politics of action, gender	Chapter 10 Awiti Ujiji, O., Ekström, A. M., Ilako, F., Indalo, D., & Rubenson, B. (2010). "I will not let my HIV status stand in the way." Decisions on motherhood among women on ART in a slum in Kenya- a qualitative study. <i>BMC Women's Health</i> , 10, 13. http://doi.org/10.1186/1472-6874-10-13	Quiz 1 - due in class Assignment 1 Class activity – Student Seminar 1
Week 4 January 28,29	Nutrition & Gender, Dr. Wood Focuses on types and causes of under-nutrition, contribution of under-nutrition to other health outcomes, and effective strategies to reduce it.	Chapter 7 Caulfield L et al, (2006) Stunting, Wasting and Micronutrient Deficiency Disorders, DCP2, Chapter 28 (http://dcp-3.org/sites/default/files/dcp2/DCP28.pdf) Food and Agriculture Organization of the UN – Why Gender?: http://www.fao.org/gender/gender-home/gender-	Quiz 2 – due in class Class activity – Student Seminar 2

	Key issues: food insecurity and agriculture, climate change, gender	why/why-gender/en/	
Week 5 February 3,4	<p>WASH & Diarrhea, Dr. Yoho</p> <p>Transmission of diarrheal disease, contribution of inadequate water and sanitation, relation to under-nutrition, effective control strategies</p> <p>Key issues: Inadequate access to simple solutions, historical perspectives on control, who is responsible, debates about burden, developing effective behavior change</p>	<p>Keutsch GT, et al. (2006) Diarrheal Diseases, DCP2, Chapter 19 (http://dcp-3.org/sites/default/files/dcp2/DCP19.pdf)</p>	<p>Quiz 3 - due in class</p> <p>Assignment 2</p> <p>Class activity – Student Seminar 3</p>
Week 6 February 11, 12	<p>One Health – Emi Moore, PhD Candidate</p> <p>One Health refers to the interaction between human, animal and environmental health. This includes transmission of zoonotic and infectious diseases, but also considers the dynamic effect of chemical contaminants on human and animal health as well as the dependence of human health on animal and environmental well-being.</p>	<p>http://onehealth.grforum.org/</p> <p>http://www.onehealthinitiative.com/</p> <p>https://www.cdc.gov/onehealth/</p>	<p>Quiz 4 due in class</p> <p>Special class activity – One Health & WASH</p>
Week 7 February 18, 19	<p>Reproductive and maternal health - Dr. Sarah McKune</p> <p>Health status and health services provided to women and children.</p> <p>Key issues: social, economic, and cultural</p>	<p>Chapter 4</p> <p>Graham, W, et al. (2006) Maternal and Perinatal Conditions, DCP2, Chapter 26 (http://dcp-3.org/sites/default/files/dcp2/DCP26.pdf)</p>	<p>Quiz 5 due in class</p> <p>Class activity – Student Seminar 4</p>

	context of maternal and child health		
Week 8 February 25, 26	<p>Haiti: Sexually transmitted infections & Emerging Infectious Diseases – Dr. Maurelli</p> <p>Discuss the application of various disease control strategies in Haiti.</p> <p>Key issues: STI diagnosis, treatment and surveillance</p>	<p>Jobe, KA, et al (2014) Epidemiology of Sexually Transmitted Infections in Rural Southwestern Haiti: The Grand’Anse Women’s Health Study. Am J. Trop.Med.Hyg 91(5) http://www.ajtmh.org/content/91/5/881.full.pdf</p>	<p>Quiz 6 due in class</p> <p>Class activity – Student Seminar 5</p>
Week 9 Feb 29- March 8	SPRING BREAK		
Week 10 March 10, 11	<p>Surgical Issues and Capacity Building in Global Health – Dr. Robin Petroze, MD</p>	Chapter 14	<p>Quiz 7 due in class</p> <p>Class activity – Student Seminar 6</p> <p>Assignment 3</p>
Week 11 March 17, 18	<p>Vaccine preventable diseases, Dr. Seraphin</p> <p>Overview of key diseases targeted by vaccination, challenge of equitable delivery of vaccines, economics of vaccine development</p> <p>Key issues: barriers to vaccination, global advocacy, challenges of polio eradication, ethics and economics of new vaccines</p>	<p>Gavi, the Vaccine Alliance: http://www.gavi.org/about/</p> <p>Brenzel L, et al. (2006) Vaccine-Preventable Diseases, DCP2, Chapter 20 (http://dcp-3.org/sites/default/files/dcp2/DCP20.pdf)</p>	<p>Class activity – Student Seminar 7</p>
Week 12 March 24, 25	<p>Neglected Tropical Diseases & Emerging infectious disease, Dr. Song Liang</p>	<p>Chapter 11 & 12</p> <p>Lemoine JF, et al. (2016) Controlling Neglected Tropical Diseases (NTDs) in Haiti: Implementation Strategies and Evidence of Their</p>	<p>Quiz 8 due in class</p>

	Examines the local and global response to NTDs as well as emerging infectious disease outbreaks including Ebola, SARS, novel forms of influenza, and HIV	Success. PLoS Negl Trop Dis 10(10): e0004954. doi:10.1371/journal.pntd.0004954 (http://journals.plos.org/plosntds/article?id=10.1371/journal.pntd.0004954)	Class activity – Student Seminar 8
Week 13 March 31- April 1	Malaria – Dr. Derrick Mathias Introduces the etiology and transmission of malaria, global efforts to control it in different contexts, and the contribution of environmental and socio-economic factors in its distribution	Chapter 9 Ribera, J. M., & Hausmann-Muela, S. (2011). The Straw That Breaks the Camel’s Back Redirecting Health-Seeking Behavior Studies on Malaria and Vulnerability. Medical Anthropology Quarterly, 25(1), 103–121. http://doi.org/10.1111/j.1548-1387.2010.01139.x Bremen, J et al. (2006)“Conquering Malaria”, DCP2, Chapter 21 (http://dcp-3.org/sites/default/files/dcp2/DCP21.pdf)	Quiz 9 due in class Class activity – Student Seminar 9
Week 14 April 7, 8	Global Health Ethics, Dr. Torben Becker Expand on global health ethics in relation to human rights, culture, poverty, and ill health	Chapter 21	Quiz 10 due in class Class activity – Student Seminar 10
Week 15 April 14, 15	Changing disease pattern: Epidemiological transition and non-communicable disease, Dr. Coker Demographic transition and its contribution to chronic diseases including cardio-vascular and metabolic disorders; implications for health systems, effects of urbanization and life style	Chapter 16	Class activity – Student Seminar 11 Individual Analysis Paper
Week 16 April 21, 22	View Film: Contagion	The Ebola Epidemic in West Africa: Proceedings of a Workshop. Read the following sections: “The Outbreak” and “Global Preparedness and Response Efforts”	Assignment 4

			Class activity – Student Seminar 12
--	--	--	--