Syllabus - Critical Issues in Global Health
PUBH 711 – FALL 2013

Instructors:

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Learning Objectives:

- To explore contemporary issues, problems, and controversies in global health through an interdisciplinary perspective
- To understand the roles and agendas of major players in global health
- To understand key global health problems, their distribution, and prevention strategies
- To examine social, economic, political, and environmental factors that affect public health outcomes
- To understand the complexities inherent in implementing health programs on a global scale

American School of Public Health Global Health Competencies

This course builds competencies in the following three domains identified by ASPH as abilities required by Master's level students in Global Health Programs:

- *Domain 4: Health Equity and Social Justice,* defined as the framework for the analysis of strategies to address health disparities across socially, demographically, or geographically defined populations.
- *Domain 6: Socio Cultural and Political Awareness,* defined as the conceptual basis with which to work effectively within diverse cultural settings and across local, regional, national, and international political landscapes.
- *Domain7: Strategic Analysis,* defined as the ability to use systems thinking to analyze a diverse range of complex and interrelated factors shaping health trends to formulate programs at the local, national, and international levels.

Course Structure:

The course is organized into nine content modules, each spanning one - two weeks.

Readings: **NO TEXT BOOK PURCHASE IS NEEDED FOR THIS COURSE**

Unless otherwise indicated, all course readings and materials will be available on the course Sakai site (https://sakai.unc.edu/portal). You need a valid UNC Onyen and password in order to log in to this site.

Evaluation: Combination of individual work and group discussion

Grading: Students will be graded on the H, P, L scale.
Breakdown of grade scale is posted on Sakai under "Course Information"

Readings

Note: Some of these readings may be replaced by more recent or relevant readings during the course of the semester.

PART A: THE CONTEXT

Module 1: August 20 – August 25 Introduction to Global Health

INDIVIDUAL ASSIGNMENT 1 DUE: AUGUST 25

KEY TOPICS:

- Comparing definitions of global health
- Global burden of disease
- Social determinants of health
- Key players in global health

VIDEO LECTURE:

Global Health 101: The Kaiser Family Foundation

REQUIRED READINGS:

1. Fried, L.P., Bentley M.E., Buekens P., Burke D.S., Frenk J.J., KlagM.J,et al. (2010). Global health is public health. Lancet 375, 535-537.

2. Koplan J.P., Bond T.C., Merson M.H., Reddy K.S, Rodriguez M.H., Sewankambo N.K. et al. (2009). Towards a common definition of global health. Lancet 373, 1993-1995.

3. Beaglehole R, Bonita R.(2010). What is global health? Global Health Action 3, 5142.

MODULE 2: August 26 – September 8 Global Health Policy and Funding: Issues and Debates

INDIVIDUAL ASSIGNMENT 2 DUE: SEPTEMBER 8

KEY TOPICS:

- Global Health Diplomacy – new global health policy
- Global health funding priorities and impact on health outcomes
- Development aid debates

VIDEO LECTURES:

1. Video of Laurie Garrett's lecture, Columbia University, September 2011.
2. Video of debate on continued funding for AIDS, World Bank, July 2012.
3. David Damberger: Tedx video. Learning from failure. April 2011

REQUIRED READINGS:

BIOS OF KEY PEOPLE PROFILED IN THIS MODULE

Laurie Garrett bio

Jeffrey Sachs bio
Paul Farmer bio
William Easterly bio
Paul Collier bio

A. U.S. GLOBAL HEALTH POLICY

1. Michaud, J., Kates J. (2013). Global health diplomacy: advancing foreign policy and global health interests. Global Health: Science and Practice. 1(1): 24-31.
2. Morrison, S. (2013). U.S. Health Engagement in Africa. A Decade of Remarkable Achievement. Now What? Center for Strategic and International Studies Paper.

B. HOW TO PROMOTE GLOBAL HEALTH

1. Garrett L. (2007). The Challenge of Global Health. Foreign Affairs, 86(1): 14-38.
2. Farmer, P. (2006). Challenging Orthodoxies in Health and Human Rights. APHA Keynote Address.
3. Foreign Affairs Round Table (2007) Debate on Laurie Garrett's article. **Read "Round 1" and "Round 2**"

C. SACHS/EASTERLY DEBATE ON FOREIGN AID EFFECTIVENESS

Interviews and Reviews
1. El Mundo Madrid interview with Sachs and Easterly
2. Amman, John, review of Sachs and Easterly books in The Journal of Labor and Society
3. Paul Farmer, William Easterly videos.

Module 3: September 9 – September 22 Delivering Health: The Role of Health Systems

KEY TOPICS:

- Overview of health systems
- Components of a health system
- Financing models of health care
- Service delivery models
- Human resources for health
- Health information systems
- Health system reform

VIDEO LECTURE:

1. Health Systems in Action: The Tipping Point of Global Health? (2011). A lecture by Jonathan D. Quick, MD, MPH, CEO of Management Sciences for Health at George Washington University.
2. YouTube video: Training health workers in the Ivory Coast
3. YouTube video: Registering community members for National Health Insurance in Ghana
4. YouTube video: Efficient service delivery at Aravind Eye Clinics in India

REQUIRED READINGS:

1, World Health Organization (2000). Why Health Systems Matter. Extract from *World Health Report 2000*

2. World Health Organization (2010). Key components of a well-functioning health system.

3. Kruk, Margaret E., Freedman, Lynn P., (2008) Assessing health system performance in developing countries: A review of the literature. Health Policy 85, 263-276.

5. World Bank (2006). Collecting Revenue, Pooling Risk and Purchasing Services. Extract *from Health Financing Revisited*.

6. World Health Organization (2007). Service Delivery. Extract from *Everybody's Business. Strengthening Health Systems to Improve Health Outcomes*.

7. World Health Organization (2008). Integrated Health Services: What and Why ? Technical Brief.

8. World Health Organization (2006). Human Resources for Health. Extract from *Working Together for Health*.

9. World Health Organization (2007). Components and Standards of a Health Information System. Extract from *Framework and Standards for Country Health Information Systems*.

10. Nyamtema AS (2010). Bridging the gap in the Health Management Information System in the context of a changing health sector. *BMC Medical Informatics and Decision Making*. 10:36

PART B: THE ISSUES

MODULE 4: September 23 - October 6 Changing Economies, Changing Behaviors – The Paradox of Nutrition

GROUP ASSIGNEMENT 1 DUE SEPTEMBER 29
INDIVIDUAL ASSIGNMENT 3 DUE OCTOBER 6

KEY TOPICS:

- Food security and under nutrition
- Maternal and child under nutrition: global patterns and trends
- Micronutrient deficiencies
- Short term impacts of under nutrition
- Long term impacts of under nutrition
- Nutrition transition
- Over nutrition: global patterns and trends
- Interventions to address under nutrition
- Interventions to address poor dietary habits and chronic diseases
- National and global policies: what works and what still needs to be done

VIDEO LECTURES:

1. Lancet Maternal and Child Nutrition Series – View Videos of *Paper 1 Presentation, Paper 2 Presentation and Call to Action Presentation.* **Total Playing Time: 1 hr 16 mins**

2. Dynamics of US and Global Nutrition: The World Is Fat (2011). Video Lecture *by Dr. Barry Popkin of UNC at University of Michigan School of Kinesiology*. **Playing Time: 1hr 12 mins**

3. Plumpy'nut: the miracle food that is saving lives (2010). Video clip from *The Guardian*. **Playing Time: 3 mins 15 secs**

4. Small Towns Struggle with Food Deserts (2010). Video clip from *PBS News Hour.* **Playing Time: 6 mins 25 secs**

REQUIRED READINGS:

1. Black RE, Victora CJ, Walker SP et al. (2013). Maternal and child undernutrition and overweight in low-income and middle-income countries. *The Lancet*, 382(9890), 427-451.

2. Bhutta ZA, Das JK, Rizvi, A et al. (2013). Evidence-based interventions for improvement of maternal and child nutrition: what can be done and at what cost? *The Lancet*, 382(9890), 452-477.

3. Swinburn BA, Sacks G, Hall KD et al. (2011).The global obesity pandemic: shaped by global drivers and local environments.? *The Lancet*, 378(9793), 804-814.

4. Gortmaker SL, Swinburn BA, Levy D et al. (2011). Changing the future of obesity: science, policy, and action. *The Lancet*, 378(9793),838-847.

MODULE 5: October 7 - 27 The Need for Complex Interventions: Preventing and Treating HIV

GROUP ASSIGNMENT 2 DUE OCTOBER 27

Note: This module includes the fall break

KEY TOPICS:

- Complexity of HIV treatment interventions
- Current advances in biomedical interventions for HIV
- Biomedical interventions overview
- Behavioral interventions overview
- Structural interventions overview

VIDEO LECTURES

1. International AIDS, prevention strategies (2012). Lecture by Dr. Myron Cohen, Director, Institute of Global Health and Infectious Diseases, UNC School of Medicine, Chapel Hill. **Playing Time : 1 hr, 2 mins**.

2. AIDS 2012: Prevention Today : What's The Right Mix ? Video of panel discussion at the 2011 AIDS conference. **Playing Time: 1 hr, 23 mins.**

REQUIRED READINGS:

1. Piot, P, Bartos M, Larson, H. Coming to terms with complexity: a call to action for HIV prevention (2008). *The Lancet*, 372(9641), 845-859.

2. Padian NS, Buvé A, Balkus J et al. (2008) Biomedical interventions to prevent HIV infection: evidence, challenges, and way forward. *The Lancet*, 372(9638), 585-599.

3. Cohen MS, Holmes C, Padian N, Wolf M, Himschall G, Lo Y-R and Goosby E(2012). HIV Treatment As Prevention: How Scientific Discovery Occurred And Translated Rapidly Into Policy For The Global Response. *Health Affairs 31(7): 1439-1449*.

4. Coates TJ, Richter L and Caceres C. (2008). Behavioural strategies to reduce HIV transmission: how to make them work better. *The Lancet*, 372(9638), 669-684.

5. Gupta GR, Parkhurst JO, Ogden JA et al. (2008) Structural approaches to HIV prevention. Structural approaches to HIV prevention. *The Lancet*, 372(9640), 764-775.

6. Roberts ET and Matthews DD (2012). HIV and chemoprophylaxis, the importance of considering social structures alongside biomedical and behavioral intervention. *Social Science and Medicine 75:1555-1561.*

7. Chang LW, Serwadda D, Quinn TC, Wawer MJ, Gray RH and Reynolds SJ (2013). Combination implementation for HIV prevention: moving from clinical trial evidence to population-level effects*. Lancet Infectious Disease 13: 65-76.*

MODULE 6: October 28 - November 10 Engineering, Economics and Health: Water and Sanitation

INDIVIDUAL ASSIGNMENT 4 DUE NOVEMBER 10

KEY TOPICS:

1. Water and sanitation MDG goals and current progress
2. Effect of water and sanitation on global disease
3. Point of use water filtration interventions: effectiveness and scalability
4. Willingness to pay for water
5. Sanitation behavior modification
6. Water demand management
7. The economics of sanitation:

VIDEO LECTURES

1. Narrated power point lecture by John Borazzo, Chief of Maternal and Child Health, USAID. (2008) **Playing Time: 84 min 38 sec.**

2. Atlantic Green Intelligence Forum 2010 - Panel Discussion - **Playing Time: 45 min 26 sec**.

REQUIRED READINGS:

1. Prüss-Üstün A, Kay D, Fewtrell L and Bartram J (2008). Unsafe Water, Sanitation and Hygiene. Chapter from *Comparative Quantification of Health Risks*, WHO publication.

2. UNICEF and World Health Organization (2013). Progress on Drinking Water and Sanitation. Extract from *Annual Monitoring Program Report*.

3. World Health Organization (2002). Water. Extract from *Healthy Villages: A Guide for Community and Community Health.*

4. UNICEF (2008). Promotion of Household Water Treatment and Safe Storage in UNICEF WaSH Programs.

5. IRC International Water and Sanitation Center (2007). Extract from *Sanitation for All*.

6. Schmidt W-P, Aunger R, Coombes Y, Maina PM, Matiko N, Biran A and Curtis V (2009). Determinants of handwashing practices in Kenya: the role of media exposure, poverty and infrastructure. *Tropical Medicine and International Health. 14(12):1534-1541.*

7. Bartram J, Charles K, Evans B, O'Hanlon L and Pedley S. (2012).Commentary on community-led total sanitation and human rights: should the right to community-wide health be won at the cost of individual rights? *Journal of Water and Health. 10.4*

MODULE 7: November 11-24 Health as a Human Right: Sexual and Reproductive Health

KEY TOPICS:

- Family planning
- Safe motherhood
- Elimination of unsafe abortion
- Prevention and treatment of STIs, cervical cancer and other gynecological morbidities
- Promotion of healthy sexuality (sexual health , sexuality and sexual rights)
- Targets and indicators of MDG 5 and barriers to achieving targets
- Link between MDG 5 and other Millennium Development Goals
- Disparity in access to sexual and reproductive health
- Policies and social forces that prevent effective attainment of reproductive health

VIDEO LECTURES:

1. Tavrow, P (2012). Adolescent Reproductive Health in Sub-Saharan Africa. Video from Webinar at the UCLA School of Public Health. **Playing time: 56min 22sec.**

2. International Planned Parenthood Federation (2010). Declaration of Sexual Rights. **Playing Time: 20 min 11 sec.**

3. University of Montreal (2011). Maternal mortality in the Philippines. **Playing Time: 28 min 41 sec.**

REQUIRED READINGS:

1. Ronsmans C, Graham WJ (2006) Maternal mortality: who, when, where, and why. *The Lancet*, 368(9542),1189-1200.

2. Cleland, J, Conde-Agudelo A, Peterson H et al.(2012).Contraception and health. *The Lancet*, 380(9837),149-156.

3. Sedgh G, Singh S, Shah IH, Åhman E, Henshaw SK, Bankole A (2012). Induced abortion: incidence and trends worldwide from 1995 to 2008. *The Lancet* 379: 625–32

4. Hindin MJ, Christiansen CS, Ferguson BJ. (2013). Setting research priorities for adolescent sexual and reproductive health in low- and middle-income countries. *Bulletin of the World Health Organization* 91:10-18

5. Souza JP et al. (2013). Moving beyond essential interventions for reduction of maternal mortality (the WHO Multicountry Survey on Maternal and Newborn Health): a cross-sectional study. *The Lancet* 381: 1747-1755

6. Palitto CC et al. (2012) Intimate partner violence, abortion, and unintended pregnancy: results from the WHO Multi-country Study on Women's Health and Domestic Violence. *International Journal of Obstetrics and Gynecology*. 120(1): 3-9

7. Austveg B (2011). Perpetuating power: some reasons why reproductive health has stalled. *Reproductive Health Matters* 19(38): 26-34.

PART C: THE PRACTICE

MODULE 8: November 25 – December 8 **Achieving Global Health : Effective Implementation**

GROUP ASSIGNMENT 3 DUE DECEMBER 2
INDIVIDUAL ASSIGNMENT 5 DUE DECEMBER 8

KEY TOPICS

- The need for systematic implementation methods
- Components of implementation
- Scaling up: methods and principles
- Improving the quality of global health programs

VIDEO LECTURE:

1. Fixsen, DL (2012), Senior Scientist, National Implementation Research Network. Evidence-based Programs: A failed experiment or the future of human services?" Video Address at Blueprints Conference for Healthy Youth Development.

REQUIRED READINGS:

1. Madon T, Hofman KJ, Kupfer L et al. (2008). Implementation Science. Science 380, 1728-1729.

2. Fixsen, DL, Naoom, SA, Blase, KA et al (2005). Implementation Research: A Synthesis of the Literature. Tampa, FL: University of South Florida, Louis de la Parte Florida Mental Health Institute, The National Implementation Research Network (FMHI Publication #231).
3. Simmons R and Shiffman J (2007). Scaling up health service innovations: a framework for action. Extract from *Scaling up health service delivery: from pilot innovations to policies and programmes.* World Health Organization.
4. Twum-Danso NAY, Akanlu GB, Osafo E (2012). A nationwide quality improvement project to accelerate Ghana's progress toward Millennium Development Goal Four: design and implementation progress. *International Journal for Quality in Health Care* , 24 (6), 1-11.
5. Ramaswamy, R. and Barker PM. Quality Improvement in Resource Poor Countries. in Sollecito, W. and Johnson, J. (2010) *Continuous Quality Improvement in Health Care, 4th Ed.,* 537-565.
6. Kim, JY, Farmer P and Porter ME. (2013). Redefining global health-care delivery. *The Lancet.* 6733(13).

FINAL EXAM: DECEMBER 10-12