

GLOBAL HEALTH SYSTEMS

CMH 772

4.0 Credit Hours

I. COURSE DESCRIPTION

This course introduces the principles of structures and mechanisms of global health systems focused on the developed countries. Inter-disciplinary examinations will be made of the achievements and the challenges in global health systems by cross-cutting the problems, e.g. global burden of diseases, process of health system development. It will explore the possible approaches to improve the health systems at national and global levels from inter-related perspectives, e.g. evidence based medicine, cost-effectiveness, quality of care, equity, human rights.

II. COURSE OBJECTIVES

Students will be expected to:

- a. Understand the development process and mechanisms of global health systems
- b. Identify the health problems and responses of the global health systems
- c. Demonstrate the knowledge on how to improve the global health systems

III. PREREQUISITES

Participation in this course requires acceptance in MD/MBA – MD/MPH, or Master of Public Health programs, or with the permission of the instructor.

IV. MODE OF INSTRUCTION

The main concepts and theories will be presented in lecture format. However, students are required to be engaged with class discussions on the given topics during the class based on the readings.

V. ATTENDANCE

Attendance is required at all class sessions although the instructor recognizes the demands graduate education places on full-time professionals and medical students. Attendance at the class and engagement with the class discussion will enhance the students' knowledge and analytical skills on global health systems.

VI. ASSIGNMENTS AND GRADING

Students are required to complete the following assignments and will receive an overall grade based on the assignments and class participation.

ASSIGNMENTS

1. Mid-Term Paper: Problem Analysis on Current Global Health Systems
2. Mid-Term Presentation: based on the Paper
3. Final Paper: Suggestions on Improvement to Global Health Systems

GRADING

Mid-Term Paper	20
Mid-Term Presentation	10
Final Paper	50
<u>Class Discussion</u>	<u>20</u>
Total	100 %

LETTER GRADES

- A 90-100%
- B 80-89.9%
- C 70-79.9%
- D 60-69.9%
- F 59.9% or lower

VIII. ACADEMIC INTEGRITY

All student work is to be completed individually, unless stated otherwise in writing. Absolutely no academic misconduct will be tolerated in this course. Regardless of the type of assignment, students found responsible for violating the WSU Academic Integrity Policy will receive an "F" for the course. All violations will be forwarded to the Office of Judicial Affairs where a university disciplinary file will be created.

Information regarding academic misconduct can be found in the Code of Student Conduct located at <http://www.wright.edu/students/judicial/stuintegrity.html>. Please contact the instructor during office hours should you have any questions or concerns.

IX. COURSE OUTLINE AND ASSIGNED READING

GLOBAL HEALTH SYSTEMS (CMH772)

- Textbook will be provided at or prior to the first course meeting.
- To access journal articles and other non-textbook readings, please go to the Wright University Course Reserve Web site (<http://wright.docutek.com/eres/default.aspx>) and look under CMH772 using the password “cmh772”.
- To access the updated syllabus and PowerPoint presentations, please go to WebCT (<http://wisdom.wright.edu/>) and use your Wings username and password.
- For detailed information on health systems in advanced countries, please go to European Observatory on Health Systems and Policies (<http://www.euro.who.int/observatory>) and look for “HiT country profiles.”

PROVIDED TEXTBOOK

Organization for Economic Co-Operation and Development (OECD). *A disease-based comparison of health systems*. Paris: OECD, 2003.

Levy BS, Sidel VW. ed. *Social injustice and public health*. Oxford Press, 2006.

COURSE SCHEDULE

Class will meet on Wednesday evening 6:00-8:30PM at the Center for Global Health Systems, Management, and Policy in Kettering (Miami Valley Research Park).

As issues arise and enhancements are incorporated, changes may be made to this course outline. The instructor will notify the students in advance of any such changes. These changes might include assignment of readings, inclusion of guest lecturers, or alternation of the content for the class sessions.

Week 1: Introduction

Health and Health Systems: History and Mechanisms of Global Health Systems

De Gooijer, W. “Health Care Dynamics”. De Gooijer, W. *Trends in EU health care*

systems. Amsterdam: Springer, 2007. pp. 118-138.

Journal of Health Politics, Policy and Law. Special Issue. Legacies and Latitude in European Health Policy. 2005; 30 (Numbers 1-2. February – April). pp.7-28.

Sase E, Jimba M, Wakai S. “Scar of Japan's leprosy isolation policy in Korea.” *Lancet* 2004; 363: 1396-97.

Van Herten, LM, Van de Water, HPA. “New global health for all targets.” *BMJ* 1999; 319: 700-703.

WHO, *World Health Report 2000. Health systems: Improving performance*.
(http://www.who.int/whr/2000/en/whr00_en.pdf)
(Chapter 1,3,4)

Week 2: Measuring Health

Mortality, Global Burden of Diseases and Risk Factors

Ezzati M, Lopez AD, Rodgers A, Hoorn SV, Murray CJL, and the Comparative Risk Assessment Group. “Selected major risk factors and global and regional burden of disease.” *Lancet* 2002 360, pp. 1347-1360.

Farmer P. “HIV/AIDS: Confronting a killer.” *World Health Report for 2003: Shaping the Future*. Geneva: World Health Organization, 2003. pp. 41-55.

McDowell I. *Measuring health: A guide to rating scales and questionnaires*. 3rd ed. Oxford University Press, 2005. pp ix-xii, 3-54, 151-205, 520-526.

Lopez AD, Mathers CD, Ezzati M, Jamison DT, Murray CJL (2006). “Global and regional burden of disease and risk factors, 2001: systematic analysis of population health data.” *Lancet* 367: 1747-1757.

Center for Population and Development Studies at the Harvard School of Public Health The burden of disease publication series. (Introduction ~ Section 7)

(<http://www.hsph.harvard.edu/organizations/bdu/GBDseries.html>)

Walker N, Grassly NC, Garnett GP, Stanecki KA, Ghys PD. “Estimating the global burden of HIV/AIDS: What do we really know about the HIV pandemic?” *Lancet* 2004; 363: 2180-2185.

Week 3: Evaluating Health Systems-I

Evidence Based Medicine, Cost-Effectiveness and Quality of Care

Hyder AA, Morrow RH. “Measures of health and disease in populations”. *International Public Health: Diseases, Programs, Systems, and Policies*. Gaithersburg, Maryland: Merson MH, Black RE, Mills AJ. Aspen Publishers, 2005. pp. 1-42.

Salomon JA, Mathers CD, Chatterji S, Sadana R, Üstün TB, Murray CJL. “Quantifying Individual Levels of Health: Definitions, Concepts, and Measurement Issues.” World Health Organization. *Health Systems Performance Assessment*. Geneva: WHO, 2003. pp.301-318.

Week 4: Evaluating Health Systems-II

Evidence Based Medicine, Efficiency and Quality of Care

Buckingham RW, Zhong Z, Meister EA. “Comparative national health care systems.” Buckingham RW ed. *A primer on international health*. Boston, London. Toronto, Sydney, Tokyo, Singapore: Allyn and Bacon, 2000. pp. 139-176.

Garber AM. “Comparing health care systems from disease-specific perspective.” Organization for Economic Co-Operation and Development (OECD). *A disease-based comparison of health systems*. Paris: OECD, 2003. pp. 95-103.

Week 5: Key Actors in Global Health Systems

Relations among Government, International Organizations, NGOs and Foundations

No Reading Assignment

Problem Analysis on Global Health Systems

Student Presentations (on Mid-Term Paper) Group 1

*** Mid-Term Papers Due: 6PM**

Week 6: Problem Analysis on Global Health Systems &

Improvements to Global Health Systems-I

Student Presentations (on Mid-Term Paper) Group 2

Braveman PA. “Measuring health Inequalities: The politics of the World Health Report 2000.” Hofrichter R ed. *Health and Social Justice: A public health reader*. San Fransico: Jossey-Bass, 2003. pp. 305-320. *Essential reading.

Bill & Melinda Gates Foundation. “Global Health Program”.
(<http://www.gatesfoundation.org/GlobalHealth/>)

International Monetary Fund. Development Committee Communiqué. Washington, DC, April 15, 2007. (<http://www.imf.org/external/np/cm/2007/041507.htm>)

Kawachi I, Kennedy BP, Lochner K, Prothrow-Stith D. “Social capital, income inequality, and mortality”. *American Journal of Public Health* 1997; 87:1491-1498.

United Nation’s Development Programme. “What is HD?” Human Development Report. (<http://hdr.undp.org/hd/>)

World Bank. *World Development Report 1993: Investing in health*. Oxford University Press, 1993. pp. 1-16 (must read) pp. 17-37 (optional) *Essential reading.

World Bank. *World Development Report 2003: Sustainable development in a*

dynamic world: Transforming institutions, growth, and quality of life. Oxford University Press, 2002. Ch. 3.

World Health Organization. "Constitution of the World Health Organization". Geneva: WHO, 2001. pp. 1-2. *Essential Reading.

Week 7: Improvements to Global Health Systems-II

Justice in Health Disparities

Must Read

Barry S. Levy, Victor W. Sidel ed. *Social injustice and public health.* Oxford Press, 2005. pp 5-21, 405-448.

Bambas A., Casas JA. "Assessing equity in health." Hofrichter R ed. *Health and social justice: A public health reader.* San Fransico: Jossey-Bass, 2003. pp. 321-334.

Marmot M, Wilkinson R. eds. *Social determinants of health.* Oxford Press, 2006. pp. 1-5.

Marmot M, Shipley MJ, Rose G (1984). "Inequalities in death – specific explanations of a general pattern? Whitehall Study". *Lancet* 1984; 1: 1003-1006.

Optional

Gakidou EE, Murray CJL, Frenk J. "Defining and measuring health inequality: an approach based on the distribution of health expectancy." *Bulletin of the World Health Organization*, 2000; 78: 42-54.

Gwatkin DR. "Health inequalities and the health of the poor: What do we know? What can we do?" *Bulletin of the World Health Organization*, 2000; 78: 3-18.

Marmot M, Wilkinson R. eds. *Social determinants of health.* Oxford Press, 2006. pp. 148-171.

Week 8: Week 9: Improvements to Global Health Systems-III

Human Rights

Must Read

Gruskin, S, Tarantola D. “Health and human rights.” *Perspectives on health and human rights*. Gruskin, S, Grodin M, Annas G, Marks S ed., New York, London: Routledge, 2005. pp 3-57.

Horton R. “Rediscovering human dignity.” *The Lancet* 2004; 364:1081-1085.

World Health Organization. *25 Questions & answers on health and human rights. Health and human rights publication series issue No.1*. World Health Organization, 2002. (<http://www.who.int/hhr/NEW37871OMSOK.pdf>)

Optional

Hunt. P. “Special Rapporteur of the Commission on Human Rights on the right of everyone to the enjoyment of the highest attainable standard of physical and mental health.” Office of the United Nations High Commissioner for Human Rights (OHCHR).

(<http://www.ohchr.org/english/issues/health/right/>)

Mann, J, Gruskin S, Gordin M, Annas G. eds. *Health and human rights: a reader*. New York, London: Routledge, 1999. pp Contents (no page numbers) – 71.

Week 9: Guest Lecture (Dr Richard Cash, Harvard School of Public Health)

Lecture Title & Readings: TBD

Week 10 (May 30): Challenges in Global Health Systems

New Approach to Measurement, Evaluation and Improvement

Must Read

De Gooijer, W. “On managing health care”. De Gooijer, W. *Trends in EU health care systems*. Amsterdam: Springer, 2007. pp. 288-303.

Keusch GT, Wilentz J, Kleinman A. “Stigma and global health: developing a research agenda.” *Lancet* 2006; 367: 525-527.

Lancet. Leading Edge. “20 years of hard lessons.” *Lancet* 2003; 3: 455.

United Nations Children’s Fund. *The state of the world’s children 2007. Woman and children. The double dividend of the gender equality*. New York: UNICEF, 2006.

(http://www.unicef.org/publications/files/The_State_of_the_Worlds__Children__2007_e.pdf) (Chapter 1, 5)

Optional

Center for Disease Control and Prevention. MMWR. “HIV-related knowledge and stigma—United States, 2000.” *JAMA*. Dec 2000; 284: 3118 - 3119.

International Monetary Fund. “IV. Long-term health care costs.” *United Kingdom: Selected issues. Country Report*. 2006; 06/87: 66-76.

(<http://www.imf.org/external/pubs/ft/scr/2006/cr0687.pdf>)

Lancet Editorial. “Reconstruction of health care in Afghanistan.” *Lancet*; 2001; 358: 2009.

Thabet AZM, Abed Y, Vostanis P. “Emotional problems in Palestinian children living in a war zone: a cross-sectional study.” *Lancet* 2002; 359: 1801-1804.

Week 11

*** Final Paper Due: 6 PM (No Class)**