

**COURSE OUTLINE:  
GEOGRAPHY 3431b  
GEOGRAPHY OF HEALTH & HEALTH CARE  
Winter 2013**

<b>Instructor:</b>	Isaac Luginaah	<b>Office:</b>	Rm. 1409 SSC
<b>Phone:</b>	ext: 86944	<b>Office Hours:</b>	Thurs. 10.00 - 11.30 or by appointment
<b>Email:</b>	iluginaa@uwo.ca	<b>Class Times:</b>	Wednesdays: 10.30 am – 12.30 pm Thursdays: 12.30-1.30pm
<b>TA:</b>	Andrea Rishworth	<b>Lecture Rooms:</b>	Wednesdays: <b>TC 343</b>
<b>Final Exam:</b>	TBA		Thursdays: <b>TC 343</b>

### **Course Description**

The aim of this course is to outline current theoretical and practice-based issues in the area of health and to understand the developing role geographers play in these areas. The course will focus on major themes in the geography of health and health care. It will introduce students to reading health research critically, and the changing concepts of health in the Canadian context. It will also explain and illustrate through case studies and examples, the geographical aspects chronic and mental health, health inequalities, health care provision and planning. Emphasis will be placed on the health of Canadians.

3 lecture hours, half course

**Prerequisite(s):** Geography 2430A/B or a related 2000-level course in Health Sciences, Sociology or Psychology, or permission of the instructor.

### **Learning Objectives:**

- Understand how to read health research critically
- Describe the geographical aspects of disease diffusion.
- Know and understand the differences between the social science of health and the biomedical model of health
- Know and understand how the social context and other determinants affect health
- Understand the changing global context of public health.
- Know and understand the reasons for differences in health access and outcomes across social groups and classes.
- Understand the process of health care delivery and health care planning in Canada.
- Understand the changing and future directions of the geography of health.

### **Course Structure**

1. Understand how to read health research critically
2. Describe the geographical aspects of disease diffusion.
3. Different/Changing Concepts of Health
4. Determinants of the Health of Populations
5. Geography and Chronic Diseases

6. Geography of Mental Health
7. Health Care System and Planning
8. Globalization, Climate Change and Health

### **Assessment**

Assignment 1	15 – Critical appraisal of scientific evidence
Assignment 2	15 – Annotated Bibliography
Class Participation	5
Midterm	25 - Exams will be about 1/4 multiple choice and 3/4 short answer and essay questions.
Final Exam	40 - Exams will be about 1/4 multiple choice and 3/4 short answer and essay questions.

There will be a 5%/day penalty for material handed in late (not including weekends).

### **Reading Material**

- Text - None
- Readings – Will be placed on the course website:  
[http://geography.uwo.ca/faculty/luginaah/Geog3431/Logon\\_3431.asp](http://geography.uwo.ca/faculty/luginaah/Geog3431/Logon_3431.asp)
- All online readings can be accessed through Western's Electronic journal sites.
- Please check the lecture schedule to find out what is to be read prior to each class (i.e., the readings are the basis for in-class discussion).

### **Statement on Use of Electronic Devices**

- Mobile telephones and any similar devices should be switched off during class. If you bring one to class, be sure to turn it off or you will be asked to leave.
- No electronic devices will be allowed during tests and examinations.

### **Statement on Academic Offences**

- Scholastic offences are taken seriously and students are directed to read the appropriate policy, specifically, the definition of what constitutes a Scholastic Offence, at the following Web site:  
<http://www.uwo.ca/univsec/handbook/appeals/scholoff.pdf> .

### **Mental Health/III Health**

- For UWO Policy on Accommodation for Medical Illness and a downloadable SMC see:  
[http://www.uwo.ca/univsec/handbook/appeals/accommodation\\_medical.pdf](http://www.uwo.ca/univsec/handbook/appeals/accommodation_medical.pdf)  
Downloadable Student Medical Certificate (SMC): <https://studentservices.uwo.ca> under the Medical Documentation heading.
- If you or someone you know is experiencing distress, there are several resources here at Western to assist you. Please visit the site below for more information on mental health resources:  
<http://www.uwo.ca/uwocom/mentalhealth/>.

- Students seeking academic accommodation on medical grounds for any missed tests, exams, participation components and/or assignments worth 10% or more of their final grade must apply to the Academic Counselling office of their home Faculty and provide documentation. Academic accommodation cannot be granted by the instructor or department.

### **Western's commitment to accessibility**

- The University of Western Ontario is committed to achieving barrier free accessibility for persons studying, visiting and working at Western.
- Please contact the course instructor if you require material in an alternate format or if you require any other arrangements to make this course more accessible to you. You may also wish to contact Services for Students with Disabilities (SSD) at 661-2111 x 82147 for any specific question regarding an accommodation.

### **Support Services**

- Registrarial Services: <http://www3.registrar.uwo.ca/index.cfm>
- Student Development Services: <http://www.sdc.uwo.ca/>

### **Other policies:**

- Retain a copy of all submitted assignments (in case of loss) and graded assignments.
- Students who plan to be absent for varsity athletics, family obligations or other similar commitments should discuss their commitments with the instructor.

**Western Geography Undergraduate Advisor:** Angelica Lucaci [alucaci@uwo.ca](mailto:alucaci@uwo.ca)

**Lecture Schedule 2013**

Week	Date	Topic/Lecture Information	Readings
1	Jan 9	Introduction	Gatrell & Elliott, 2009 Chapter 1
	Jan 10	Reading Health Research Critically	DCEBMU 1981
2	Jan 16	Reading Health Research Critically	Frank et al., 1987
	Jan 17	Approaches and Theories – Biomedical Disease Model	None
3	Jan 23	Approaches and Theories	Gatrell & Elliott, 2009 Chapter 2
	Jan 24	Spatial Diffusion of Disease	Hagget, 1998 - Chapter 1
4	Jan 30	Spatial Diffusion of Disease	Wallace and Wallace 1997
	Jan 31		
5	Feb 6	Different/Changing Concepts of Health I	Rootman & Raeburn 1994
	Feb 7		
6	Feb 13	Different/Changing Concepts of Health II	White, 1981; Ottawa Charter 1986
	Feb 14	<b>Assignment 1 Due</b>	
7	Feb 20	-	
	Feb 21	-	
8	Feb 27	Determinants of the Health of Populations	Evans et al .1994 - Introduction; Movie – Determinants of Health
	Feb 28	<b>Mid Term Exams</b>	None
9	Mar 6	Gender and Health	Denton & Walters 1999
	Mar 7		
10	Mar 13	Geography of Chronic Diseases	Soo et al., 2001
	Mar 14		
11	Mar 20	Geography of Mental Health	Giggs, 1988
	Mar 21		
12	Mar 27	Health Care System and Planning I	Pamplalon et al. 1996; Movie – Medicare Crisis
	Mar 28		
13	Apr 3	Health Care System and Planning II	Romanow 2004; Movie – The Future of Our Health Care System
	Apr 4		
14	Apr 10	Globalization, Climate Change and Health	Collins 2003, Gatrell & Elliott, 2009 – Chapter 9
	Apr 11	Review, <b>Assignment 2 Due</b>	none

**Tutorial Schedule 2013**

Week	Date	Topic/Lecture Information	Readings
1	Jan 9	See Lecture Schedule	Gatrell & Elliott, 2009 Chapter 1
	Jan 10	See Lecture Schedule	DCEBMU 1981
2	Jan 16	See Lecture Schedule	Frank et al., 1987
	Jan 17	See Lecture Schedule	Gatrell & Elliott, 2009 Chapter 2
3	Jan 23	See Lecture Schedule	Hagget, 1998 - Chapter 1
	Jan 24	See Lecture Schedule	Wallace and Wallace 1997
4	Jan 30	See Lecture Schedule	Rootman & Raeburn 1994
	Jan 31	Spatial Diffusion of Disease	Movie – Infectious Diseases: More Mobility, Greater Danger
5	Feb 6		
	Feb 7	Different/Changing Concepts of Health	Lalonde, 1974; Epp 1986
6	Feb 13		
	Feb 14	<b>Assignment 1 Due</b> Determinants of the Health of Populations	Ben-Shlomo & Davey-Smith,1997; Ross et al., 2004
7	Feb 20		
	Feb 21	<b>Mid Term Exams</b>	none
8	Feb 27	-	-
	Feb 28	-	-
9	Mar 6		
	Mar 7	Geography of Chronic Diseases	Green et al., 2003, Oyana et al., 2004
10	Mar 13		
	Mar 14	Geography of Mental Health	Knowles, 2000
11	Mar 20		
	Mar 21	Health Care System and Planning I	Rosenberg 1988
12	Mar 27		
	Mar 28	Health Care System and Planning II	Bryant 2003
13	Apr 3		
	Apr 4	Globalization, Climate Change and Health	Collins 2003, Gatrell & Elliott, 2009 – Chapter 9
14	Apr 10		
	Apr 11	Review, <b>Assignment 2 Due</b>	none

## **Reading List**

### ***Introduction***

Gatrell, A. C. and Elliott, S. J. (2009) *Geographies of Health – An Introduction*. London: Blackwell, Chapter 1

### ***Reading Health Research Critically***

Department of Clinical Epidemiology and Biostatistics, McMaster University (DCEBMU) (1981). How to read clinical journals: IV to determine etiology or causation. *Canadian Medical Association Journal*, 124: 985-990.

Frank, J. W., Gibson, B. et al. (1987) *Information needs in epidemiology: detecting the health effects of environmental chemical exposure*. Toronto, Institute for Environmental Studies. University of Toronto.

### ***Spatial Diffusion of Diseases***

Hagget, P (1998) *The Geographical Structure of Epidemics*. Oxford: London.  
Chapter 1, 4

Wallace, R. & Wallace, D. (1997) Socioeconomic determinants of health: Community marginalization and the diffusion of disease and disorder in the United States. *British Medical Journal*, 314(7090), 1341-1345.

### ***Different/Changing Concepts of Health***

Rootman, I. & J. Raeburn (1994). The concept of health. *Health Promotion in Canada: Provincial, National and International Perspectives*. A. Pederson, Michael O' Neill and Irving Rootman. Toronto, W.B Saunders.

White, N. F. (1981). *Modern health concepts*. Toronto, T.V Ontario Publications.

Lalonde, M. (1974) *A New Perspective on the Health of Canadians* Ottawa: Health and Welfare Canada.

<http://www.hc-sc.gc.ca/hppb/phdd/pube/perintrod.htm>

Epp, J. (1986) *Achieving Health For All: A Framework for Health Promotion*. Ottawa; Health and Welfare Canada. [http://www.hc-sc.gc.ca/english/care/achieving\\_health.html](http://www.hc-sc.gc.ca/english/care/achieving_health.html)

*Ottawa Charter for Health Promotion*. (1986) Ottawa: World Health Organization, Health and Welfare Canada, Canadian Public Health Association. <http://www.who.int/hpr/archive/docs/ottawa.html>

### ***Determinants of the Health of Populations***

Evans, R.G., Barer, M.L. and Marmor, T.R. (Eds) (1994) *Why are some people healthy and others not? The determinants of health of populations*. NY: Aldine De Gruyter. Introduction.

Ben-Shlomo, Y. & Davey-Smith, G. (1997) Inequalities in health: reasons and possible solutions. *Journal of Health Gain*, 2, 4-8.

Ross, N. A., Tremblay, S., Graham, K. (2004) Neighbourhood influences on health in Montreal, Canada. *Social Science & Medicine*, 59(7): 1485- 1494. **Online** – Scholarsportal

### ***Gender and Health***

Matthews, S., Manor, O., Power, C. (1999) Social inequalities in health: are there gender differences? *Social Science & Medicine*. 48: 49-60. **Online** – Scholarsportal

Denton, M., Walters, V. (1999) Gender differences in structural and behavioral determinants of health: an analysis of the social production of health. *Social Science & Medicine*. 48: 1221-1235. **Online** – Scholarsportal

### ***Geography of Chronic Diseases***

Soo et al. (2001) Geographical distribution of cardiac arrest in Nottinghamshire. *Resuscitation*, 48: 137-147. **Online** - Scholarsportal

Green et al. (2003) Geographic analysis of diabetes prevalence in an urban area. *Social Science and Medicine*, 57: 551-560. **Online** – Scholarsportal

Oyana et al. (2004) Geographic clustering of adult asthma hospitalization and residential exposure to pollution at a United States-Canada Border crossing. *American Journal of Public Health*, 94(7): 1250-1257. **Online** – ProQuest or PROFESSIONAL or HIGHWIRE

### ***Geography of Mental Health***

Giggs, J. (1988) The spatial ecology of mental illness. In Smith, C. and Giggs, J. (Eds.) *Location and Stigma*. Boston: Unwin Hyman, 103-33.

Knowles, C. (2000) Burger King, Dunkin Donuts and community mental health care. *Health and Place*, 6(3): 213-224. **Online** - Scholarsportal

### ***Health Care System and Planning***

Rosenberg MW. (1988) Linking the geographical, the medical and the political in analysing health care delivery systems. *Social Science and Medicine*, 26(1): 179-186.

Pampalon, R. et al. (1996) The selection of needs indicators for regional resource allocation in the fields of health and social services in Quebec. *Social Science & Medicine*, 42(6): 909-922. **Online** – Scholarsportal

Bryant, T. (2003) A critical examination of the hospital restructuring process in Ontario, Canada. *Health Policy*, 64: 193-205. **Online** – Scholarsportal

Romanow, R (2004) Sustaining Medicare: The Commission on the Future of Health Care in Canada. In Baylis et al (Eds). *Health Care Ethics in Canada* (pp. 79-100). Thompson & Nelson: Toronto.

### ***Globalization, Climate Change and Health***

Collins, T. (2003) Globalization, global health, and access to healthcare. *International Journal of Health Planning and Management*, 18: 97–104. **Online** – Scholarsportal

Haines, A. & Patz, J. A. (2007) Health Effects of Climate Change. *Journal of the American Medical Association*, 291(1): 99-103.

Lee, K. et al. (2003) Global change and health - the good, the bad and the evidence. *Global Change & Human Health*, 3(1): 16-19. **Online** – Scholarsportal

### ***General Texts***

Gatrell, A.C. and Elliott, S. J. (2009) *Geographies of Health: An Introduction*. Blackwell, Oxford.

Meade, M. S. and Emch, M. (2010) *Medical Geography*. New York. Guilford.