

CHL5409H: CANCER EPIDEMIOLOGY – FALL 2016

Course Directors:

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Time: Thursdays 1:00 p.m. - 3:00 p.m.

Location: Dalla Lana School of Public Health, Health Sciences Building, 155 College St., Room 618

Course Description:

This is a seminar and guided-reading course for Masters and Doctoral students with a focussed interest or thesis topic in the area of cancer epidemiology.

Specifically, students will:

1. Acquire an understanding of current issues and directions in cancer epidemiology including surveillance, research, prevention and cancer control; and
2. Review and critically appraise epidemiologic studies of cancer, with regard to design, analysis, interpretation and implications.

Pre/Co-Requisites: CHL5201, CHL5202, CHL5401, CHL5402 (or equivalent knowledge of epidemiologic and biostatistical methods); plus permission of the instructors.

Required readings: For each session, the seminar leader will select journal articles related to their cancer topic to be reviewed by all students. These will be distributed one week in advance.

Recommended textbook(s):

Mark J. Elwood. Critical appraisal of epidemiological studies and clinical trials, Third Edition Oxford University Press, New York 2007 ISBN: 978-0-19-852955-2 (pb).

<http://oxfordindex.oup.com/view/10.1093/acprof:oso/9780198529552.001.0001>

Hans-Olov Adami, David Hunter, Dimitrios Trichopoulos. Textbook of Cancer Epidemiology Second Edition, Oxford University Press, New York 2008

<http://www.oxfordscholarship.com/view/10.1093/acprof:oso/9780195311174.001.0001/acprof-9780195311174>

Evaluation: Students will be required to present two to three (depending on class size) critical appraisals of a research question addressed by an epidemiologic article relevant to one of the cancer topics and prepare a brief report that summarizes the presentation; and participate in weekly discussions.

Presentations:	40%
Written reports:	40%
Attendance/participation:	20%

COURSE OUTLINE – FALL 2016

#	Date	Topic	Instructors/Guest Speakers
1	Sep 15, 2016	Introduction to the course; cancer epidemiology and critical appraisal	Dr. Anna M. Chiarelli Dr. Meghan J. Walker
2	Sep 22, 2016	Cancer Pathology Example of a critical appraisal	Dr. Susan J. Done <i>Pathologist and Associate Professor, Departments of Laboratory Medicine and Pathobiology, and Medical Biophysics, Faculty of Medicine, University of Toronto; The Campbell Family Institute for Breast Cancer Research and Laboratory Medicine Program, University Health Network</i> Dr. Chiarelli & Dr. Walker
3	Sep 29, 2016	Cancer surveillance and registries	Dr. Eric J. Holowaty <i>Professor, Division of Epidemiology, Dalla Lana School of Public Health, University of Toronto</i>
4	Oct 6, 2016	Cancer screening	Dr. Anna M. Chiarelli <i>Senior Scientist and OBSP Scientific Lead, Cancer Care Ontario; Professor, Division of Epidemiology, Dalla Lana School of Public Health, University of Toronto</i>
5	Oct 13, 2016	Diet and cancer	Dr. Joanne Kotsopoulos <i>Scientist, Women's College Research Institute, Women's College Hospital; Cancer Care Ontario Research Chair in Population Studies; Associate Professor, Division of Epidemiology, Dalla Lana School of Public Health and Department of Nutritional Sciences, University of Toronto</i>
6	Oct 20, 2016	Hormonal cancers	Dr. Julia A. Knight <i>Leader, Prosserman Centre for Health Research and Senior Investigator, Lunenfeld-Tanenbaum Research Institute, Mount Sinai Hospital; Professor, Division of Epidemiology, Dalla Lana School of Public Health, University of Toronto</i>
7	Oct 27, 2016	The cost of cancer	Dr. Nicole Mittmann <i>Chief Research Officer, Cancer Care Ontario; Associate Scientist, Sunnybrook Research Institute; Assistant Professor, Department of Pharmacology, University of Toronto; Adjunct Faculty, Richard Ivey School of Business, University of Western Ontario</i>
8	Nov 3, 2016	Occupation and cancer	Dr. Paul Demers <i>Director, Occupational Cancer Research Centre, and Senior Scientist, Prevention and Cancer Control, Cancer Care Ontario; Professor, Dalla Lana School of Public Health, University of Toronto</i>
9	Nov 10, 2016	Cancer genetics	Dr. Rayjean Hung <i>Principal Investigator, Lunenfeld-Tanenbaum Research Institute, Mount Sinai Hospital; Cancer Care Ontario Research Chair in Population Studies; Associate Professor, Division of Epidemiology, Dalla Lana School of Public Health, University of Toronto</i>
10	Nov 17, 2016	Melanoma and other skin cancers	Dr. Loraine Marrett <i>Senior Scientist, Cancer Care Ontario; Professor, Division of Epidemiology, Dalla Lana School of Public Health, University of Toronto</i>
11	Nov 24, 2016	Childhood cancers	Dr. Jason D. Pole <i>Scientist, Pediatric Oncology Group of Ontario (POGO) and Associate Professor, Division of Epidemiology, Dalla Lana School of Public Health, University of Toronto</i>
12	Dec 1, 2016	Cancer prevention	Dr. Meghan J. Walker <i>Team Lead - Evidence, Cancer Screening, Cancer Care Ontario; Assistant Professor, Division of Epidemiology, Dalla Lana School of Public Health, University of Toronto</i>