

## CHL5409H: CANCER EPIDEMIOLOGY – FALL 2018

### Course Directors:

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Manager, Evaluation, Cancer Screening, Prevention and Cancer Control, Cancer Care  
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**Time:** Thursdays 1:00 p.m. - 4:00 p.m.

**Location:** TBD

### 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 2018**

#	Date	Topic	Instructors/Guest Speakers
1	Sep 13, 2018	Introduction to the course, cancer epidemiology and critical appraisal	<b>Dr. Anna M. Chiarelli</b> <b>Dr. Meghan J. Walker</b>
2	Sep 20, 2018	Cancer Pathology	<b>Dr. Susan J. Done</b> <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>
		Example of a critical appraisal	<b>Dr. Chiarelli &amp; Dr. Walker</b>
3	Sep 27, 2018	Cancer surveillance and registries	<b>Dr. Eric J. Holowaty</b> <i>Professor, Division of Epidemiology, Dalla Lana School of Public Health, University of Toronto</i>
4	Oct 4, 2018	Cancer screening	<b>Dr. Anna M. Chiarelli</b> <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 11, 2018	Cancer in First Nations, Inuit and Métis populations	<b>Dr. Amanda Sheppard</b> <i>Group Manager and Scientist, Aboriginal Cancer Control Unit, Cancer Care Ontario; Assistant Professor, Division of Epidemiology, Dalla Lana School of Public Health, University of Toronto</i>
6	Oct 18, 2018	Hormonal cancers	<b>Dr. Julia A. Knight</b> <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 25, 2018	Diet and cancer	<b>Dr. Joanne Kotsopoulos</b> <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>
8	Nov 1, 2018	Infection and cancer	<b>Dr. Ann Burchell</b> <i>Scientist, Li Ka Shing Knowledge Institute, St Michael's Hospital, Toronto Assistant Professor, Dalla Lana School of Public Health, University of Toronto</i>
9	Nov 8, 2018	Childhood cancers	<b>Dr. Jason D. Pole</b> <i>Scientist, Pediatric Oncology Group of Ontario (POGO); Associate Professor, Division of Epidemiology, Dalla Lana School of Public Health, University of Toronto</i>
10	Nov 15, 2018	Cancer genetics	<b>Dr. Rayjean Hung</b> <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>
11	Nov 22, 2018	Occupation and cancer	<b>Dr. Paul Demers</b> <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>
12	Nov 29, 2018	Cancer prevention	<b>Dr. Meghan J. Walker</b> <i>Manager, Evaluation, Cancer Screening, Cancer Care Ontario; Assistant Professor, Division of Epidemiology, Dalla Lana School of Public Health, University of Toronto</i>