

CHL5409H: CANCER EPIDEMIOLOGY – FALL 2018

Course Directors:

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Time: Thursdays 1:00 p.m. - 4:00 p.m.

Location: Dalla Lana School of Public Health, Health Sciences Building, 155 College St., Room 696

Course Description:

This is a lecture and seminar 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	Dr. Anna M. Chiarelli Dr. Meghan J. Walker
2	Sep 20, 2018	Cancer Pathology	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>
		Example of a critical appraisal	Dr. Chiarelli & Dr. Walker
3	Sep 27, 2018	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 4, 2018	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 11, 2018	Cancer in First Nations, Inuit and Métis populations	Dr. Amanda Sheppard <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	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 25, 2018	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>
8	Nov 1, 2018	Infection and cancer	Dr. Ann Burchell <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	Dr. Jason D. Pole <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	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>
11	Nov 22, 2018	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>
12	Nov 29, 2018	Cancer prevention	Dr. Meghan J. Walker <i>Manager, Evaluation, Cancer Screening, Cancer Care Ontario; Assistant Professor, Division of Epidemiology, Dalla Lana School of Public Health, University of Toronto</i>