

**CO-ORDINATOR:** Dr. Lois Mulligan (Email: [mulligal@queensu.ca](mailto:mulligal@queensu.ca))

**TA:** Chelsea Jackson (Email: [1CLJ@queensu.ca](mailto:1CLJ@queensu.ca))

**DATE AND TIME:** FRIDAYS, 10:30 AM - 1:30 PM

**LOCATION:** Cancer Research Institute (CRI) Room 100/101  
(\* \* Unless otherwise indicated)

### GENERAL COURSE FORMAT:

Each class begins with a short evaluation (rapid assessments ~ 15min) of the major details of the pre-assigned reading material, followed by in class group-based learning using cases/problems in the topic area by the Session Leader (max time ~ 1.5 hrs). After a short break (~15 min), individual student presentations (20 min max) of assigned papers will occur, followed by a class discussion led by the presenter (10 min). Session leaders add value, corrections, etc. as appropriate. At the end, the session leader and co-ordinator may provide some additional comments or overall appraisal. Students will also select one essay topic from among sessions in the course, and submit their summary abstract for feedback, before essay submissions. All written assignments will be submitted through OnQ and evaluated for originality by Turnitin. The course aims to: 1) provide fundamental and sometimes cutting edge concepts relevant to each cancer biology session topic; and 2) improve the student's ability to recognize challenges in these areas, while clearly and concisely articulating their ideas to overcome them.

### EVALUATION

<b>Rapid Assessments</b>	<b>10%</b>
<b>Presentations</b>	<b>30%</b>
<b>Essay</b>	<b>25%</b>
<b>Essay Abstract</b>	<b>5%</b>
<b>Team Participation</b>	<b>10%</b>
<b>Peer Assessment</b>	<b>5%</b>
<b>Final Oral Evaluation</b>	<b>15%</b>

### ABSTRACT & ESSAY

*Choose One Topic from the Sessions*

- **Abstract Due Date – 5 Oct. 2018**
- **Essay Due Date – 16 Nov. 2018**

### SESSION LEADER CONTACT INFO

Name	Email	Tel.	Name	Email	Tel.
Dr. Aronson	<a href="mailto:aronson@queensu.ca">aronson@queensu.ca</a>	78522	Dr. Koti	<a href="mailto:madhuri.koti@queensu.ca">madhuri.koti@queensu.ca</a>	32498
Dr. Boag	<a href="mailto:boaga@kgh.kari.net">boaga@kgh.kari.net</a>	32850	Dr. Lebrun	<a href="mailto:david.lebrun@queensu.ca">david.lebrun@queensu.ca</a>	33209
Dr. Davey	<a href="mailto:scott.davey@queensu.ca">scott.davey@queensu.ca</a>	36923	Dr. Mulligan	<a href="mailto:mulligal@queensu.ca">mulligal@queensu.ca</a>	77475
Dr. Graham	<a href="mailto:grahamc@queensu.ca">grahamc@queensu.ca</a>	32852	Dr. Nicol	<a href="mailto:nicolc@queensu.ca">nicolc@queensu.ca</a>	36531
Dr. Greer	<a href="mailto:greerp@queensu.ca">greerp@queensu.ca</a>	75081	Dr. Yang	<a href="mailto:yangx@queensu.ca">yangx@queensu.ca</a>	75998

## COURSE SCHEDULE

WK	DATE	DURATION	TOPIC	SESSION LEADER
1	7 Sept	10:30-1:30	Introduction and Cancer Initiation & Progression	Mulligan
*2* note room change	14 Sept	10:30-11:30	Pathology of Cancer <b>* Richardson Labs Lobby *</b>	Boag
		11:30-1:30	<b>* CRI Rm 100 *</b>	Mulligan
3	21 Sept	10:30-1:30	Epidemiology of Cancer	Aronson
4	28 Sept	10:30-1:30	Nuclear Oncogenes & Gene Transcription	Lebrun
5	5 Oct	10:30-1:30	Growth Factors & Signal Transduction Pathways <b>* ABSTRACTS DUE *</b>	Mulligan
6	12 Oct	10:30-1:30	Mechanisms of Tumour Suppression	Yang
7	19 Oct	10:30-1:30	Cancer Angiogenesis & Metastasis	Greer
	25 Oct	No Class	Reading Week	
8	2 Nov	10:30-1:30	Cancer Immunosurveillance & Immunotherapy	Graham
9	9 Nov	10:30-1:30	Biology of a Nonclassic Tumour Suppressor: BRCA1	Davey
*10* note room change	16 Nov	10:30-1:30	Molecular Biology of Metastasis <b>* ESSAYS DUE *</b> <b>*Botterell Hall A319*</b>	Nicol
11	23 Nov	10:30-1:30	Treatment Response	Koti
12	30 Nov	10:30-1:30	Overview	-
13	7 Dec	10:30-1:30	FINAL ORAL EVALUATIONS	-