PATH823 CANCER BIOLOGY COURSE OUTLINE 2014

CO-ORDINATOR: Dr. Chris Nicol (Email: nicolc@queensu.ca)

TA: James MacLeod (Email: 6jam8@queensu.ca)

DATE AND TIME: FRIDAYS, 9:30 AM - 12:30 PM
(Unless otherwise indicated**)**

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

GENERAL COURSE FORMAT:

Each session will begin with students separated into teams. The session leader will oversee an initial review of the major details of the assigned reading material (rapid assessments ~ 5min), followed by in class team-based learning using cases/problems in the topic area (max time ~ 1-2 hrs). Individual student presentations of assigned papers will follow. Each student presentation (20 min max) is followed by a question period (10 min). The presenting student poses two questions to the class. The class responds and discussion goes on from there. Presenters are expected to lead the class discussion. 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. We hope to provide introductory information relevant to the topic, while striving towards questions that push the forefront of the field.

EVALUATION

Rapid Assessments	**5%**
Presentations	**20%**
Essay	**30%**
Team Participation	**15%**
Peer Assessment	**5%**
Final exam	**25%**

ESSAY
Choose One Essay Topic from the Sessions
- **Due Date – 7 Nov 2014**

** Essays (pdfs) should **submitted before 9:30am** to James (Email: 6jam8@queensu.ca).

COURSE SCHEDULE

WK	DATE	DURATION	TOPIC	SESSION LEADER
1	12 Sept	9:30-12:30	Introduction – Initiation of cancer and tumour progression Evaluation Scheme	Nicol
2	19 Sept	9:30-12:30	Growth Factors and Signal Transduction Pathways	Nicol
** 3 ** **note change**	26 Sept **RICHARDSON RM 102**	9:30-12:30	Pathology of Cancer	Boag
4	3 Oct	9:30-12:30	Nuclear Oncogenes and Gene Transcription	Lebrun
5	10 Oct	9:30-12:30	Epidemiology of Cancer	Walker
6	17 Oct	9:30-12:30	Mechanisms of Tumour Suppression	Yang
7	24 Oct	9:30-12:30	Angiogenesis	Greer
8	31 Oct	9:30-12:30	Cancer Immunosurveillance and Immunotherapy	Graham
9	7 Nov	9:30-12:30	Mutator Phenotype	Davey
10	14 Nov	9:30-12:30	Molecular Biology of Metastasis	Nicol
11	21 Nov	9:30-12:30	Treatment Response	Koti
12	28 Nov	9:30-12:30	Overview	-
13	5 Dec	9:30-12:30	FINAL EVALUATION	-