

**CO-ORDINATOR:** Dr. Chris Nicol (Email: [nicole@queensu.ca](mailto:nicole@queensu.ca) )

**TA:** James MacLeod (Email: [6jam8@queensu.ca](mailto: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**

|                           |            |
|---------------------------|------------|
| <b>Rapid Assessments</b>  | <b>5%</b>  |
| <b>Presentations</b>      | <b>20%</b> |
| <b>Essay</b>              | <b>30%</b> |
| <b>Team Participation</b> | <b>15%</b> |
| <b>Peer Assessment</b>    | <b>5%</b>  |
| <b>Final exam</b>         | <b>25%</b> |

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| <p><b>ESSAY</b><br/> <i>Choose One Essay Topic from the Sessions</i></p> <ul style="list-style-type: none"> <li>• <b>Due Date – 7 Nov 2014</b></li> </ul> |
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\*\* Essays (pdfs) should **submitted before 9:30am** to James (Email: [6jam8@queensu.ca](mailto: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<br>Evaluation Scheme | Nicol          |
| 2                                  | 19 Sept                                 | 9:30-12:30 | Growth Factors and Signal Transduction Pathways                                 | Nicol          |
| <b>** 3 **<br/>note<br/>change</b> | 26 Sept<br><b>RICHARDSON<br/>RM 102</b> | 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  | -              |