<table>
<thead>
<tr>
<th>Date</th>
<th>Lecture Content</th>
<th>Book Chap</th>
<th>Case Study presentation; notes and information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tues Sept 5</td>
<td>The Nature of Cancer (1) and an introduction to the course</td>
<td>Ch 2,12, 13</td>
<td>(breast fibroadenoma CS #0)</td>
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<tr>
<td>Fri Sept 8</td>
<td>The Nature of Cancer (2)</td>
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<tr>
<td>Tues Sept 12</td>
<td>The Nature of Cancer (3)</td>
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<tr>
<td>Fri Sept 15</td>
<td>Pathophysiology of Neoplasia (1)</td>
<td>Ch 2</td>
<td>Grand Rounds Case Study 2: skin malignant melanoma</td>
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<tr>
<td>Tues Sept 19</td>
<td>Pathophysiology of Neoplasia (2)</td>
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<tr>
<td>Fri Sept 22</td>
<td>Pathophysiology of Neoplasia (3)</td>
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<td>Grand Rounds Case Study 3: thyroid adenoma</td>
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<td>Tues Sept 26</td>
<td>Genetic Changes in Neoplasia (1)</td>
<td>Ch 7,9,12</td>
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<tr>
<td>Fri Sept 29</td>
<td>EXAM 1 (1hr 10 min)</td>
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<tr>
<td>Tues Oct 3</td>
<td>Genetic Changes in Neoplasia (2)</td>
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<td>Grand Rounds Case Study 4: esophageal squamous cell carcinoma</td>
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<tr>
<td>Fri Oct 6</td>
<td>Genetic Changes in Neoplasia (3)</td>
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<tr>
<td>Tues Oct 10</td>
<td>Multistep Tumorigenesis (1)</td>
<td>Ch 11</td>
<td>Grand Rounds Case Study 5: femur osteosarcoma</td>
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<tr>
<td>Fri Oct 13</td>
<td>Case Study Quiz Part 1 (30 min) plus 40 min of lecture time</td>
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<td>Case Studies 1-5</td>
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<tr>
<td></td>
<td>Tumor Viruses (1)</td>
<td>Ch 3,9</td>
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<tr>
<td>Tues Oct 17</td>
<td>Tumor Viruses (2)</td>
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<td>Grand Rounds Case Study 6: colon adenocarcinoma</td>
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<tr>
<td>Fri Oct 20</td>
<td>Tumor Viruses (3)</td>
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<tr>
<td>Tues Oct 24</td>
<td>EXAM 2 (1hr 10min)</td>
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<tr>
<td>Fri Oct 27</td>
<td>Phenotypic Characteristics (1)</td>
<td>Ch 5,13</td>
<td>Grand Rounds Case Study 7: Liver and lung metastatic adenocarcinoma</td>
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<tr>
<td>Tues Oct 31</td>
<td>Phenotypic Characteristics (2)</td>
<td></td>
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<tr>
<td>Fri Nov 3</td>
<td>Phenotypic Characteristics (3)</td>
<td></td>
<td>Grand Rounds Case Study 8: ileocecal valve carcinoid cancer</td>
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<tr>
<td>Tues Nov 7</td>
<td>Epidemiology of Cancer (1)</td>
<td>Ch 2,11, 12</td>
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<tr>
<td>Fri Nov 10</td>
<td>Epidemiology of Cancer (2)</td>
<td></td>
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<tr>
<td>Tues Nov 14</td>
<td>Cancer Therapeutics traditional (1)</td>
<td>Ch 15, 16</td>
<td>Grand Rounds Case Study 9:</td>
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Material that will be needed for each assessment is as follows:

- **Exam I (Fri Sept 29th):** Nature of Cancer (1,2,3) Pathophysiology (1,2,3)
- **Exam 2 (Tues Oct 24th):** Genetic Changes (1,2,3), Multistep Tumorigenesis (1), Tumor Viruses (1,2,3),
- **Exam 3 (Tues Nov 28th):** Phenotypic Transformation (1,2,3) Epidemiology (1,2) Cancer Therapeutics (1,2)
- **Grand Rounds Case Study Quiz (Part 1 Tues Oct 10th, Part 2 Tues Dec 13th):** Each of Part 1 and Part 2 will contain 10 questions on CS 1-5 and CS 6-10 case studies from class respectively and will include the section on Rational Treatment (1,2)

**COURSE OBJECTIVES:**

At the end of this course, the student will have gained general knowledge of the biology of cancer and the oncogenic process known as multi-step tumorigenesis, with particular emphasis on the relevance of the oncology process to cellular disruption and the disease process. The course is also designed to give the student a clinical perspective by reviewing actual patient case studies as they relate to each cancer area being discussed in class.

**EXAMINATIONS, QUIZ AND IN-CLASS EXERCISES:**

Examinations and Grand Rounds Case Study Quiz:
There will be three equally weighted examinations, each 70 min in length. There will also be 2 clinical Grand Rounds Case Study Quizzes (Parts 1 and 2) each 30 min in length.

**Make-up exams:** These will be given at the discretion of the instructor and only in the event of an extreme and unexpected emergency (e.g. hospitalization). In some cases, an excused absence for an exam will be given but if a makeup exam is requested, the course instructor must be notified within 12 hours of the posted exam period. Make-ups must be taken within 48 hr of the posted exam period and scheduled (outside of regular class time) in the Office of Undergraduate Instruction office (B112 Nelson Labs, Busch). Failure to adhere to these policies will result in a grade of 0 for any missed exam or quiz.
For each exam and the final quiz, RUID or a suitable picture ID must be produced.

**Results:** All results will be made available on the Sakai website under “Gradebook”. Gradebook will also provide students with their progress during the course, as well as their accumulative course grade; after each exam, exam booklets will be kept in the Office of Undergraduate Instruction (OUGI) but made available for each student to review after results have been posted. You will not be able to remove exam booklets from the office and you **MAY NOT USE CELL PHONES TO PHOTOGRAPH THE EXAM Qs.**

**Exams and Case Study Quiz questions:** for all M/C and T/F Qs, there is only one correct answer for each question, and each answer must be completely correct to gain full credit. Partial credit will be given where possible for write-in answers. The grades for exams and quizzes assigned in this course are not curved

**Office hours** will be in AB 3450, from 2pm – 3pm each Fri.

Please refer to the Dept of Genetics website ([http://genetics.rutgers.edu/?page=home](http://genetics.rutgers.edu/?page=home)) for details on the Dept’s activities, policies and the importance of academic integrity.

**FINAL GRADES** are produced as follows:

- Exam 1 = 250 points (composed of 60 Q: MC and T/F)
- Exam 2 = 250 points (composed of 60 Q: MC and TF)
- Exam 3 = 250 points (composed of 60 Q: MC and TF)
- Grand Rounds Case Study Quiz = 125 points for Part 1 and 125 points for Part 2 (each composed of 10 Q: MC and write-in)

The total course points = 1000

**COURSE GRADING:**

A = > 88.45
B+ = 85 – 88.45
B = 80 – 84.45
C+ = 75 – 79.45
C = 70 – 74.45
D = 61 – 69.45
F = < 60

**COURSE INSTRUCTOR:**

Dr Carolyn d’Arville, PhD MS FEd
Lecturer, Assistant Professor in Life Sciences
Rutgers University, Division of Life Sciences (Busch Campus Labs, Rm 101), Busch Campus
Senior Scholar, Thomas Jefferson University Medical School, PA

**CONTACT INFORMATION:**
e-mail: darville@dls.rutgers.edu

HIGHLY RECOMMENDED (BUT NOT REQUIRED) TEXT FOR THE COURSE:


To purchase or rent the e-book at VitalSource store, go to: http://store.vitalsource.com/show/978-1-1369-7738-1

You may also “borrow” the book from the library through the EZ-Borrow function on the website available when you log into YOUR ACCOUNT. This information is available on the www.libraries.rutgers.edu site.

OTHER RESOURCES:

Various resources including lecture powerpoints, announcements, weblinks online, discussion and private messages links can be found at www.sakai.rutgers.edu. Enter the site using your RUID and password – then click on the 01:447:245:B1 Spring 2015 section tab. When you register for the Introduction to Cancer course, this tab will become available to you.

Student-Wellness Services:

Just In Case Web App
http://codu.co/cee05e
Access helpful mental health information and resources for yourself or a friend in a mental health crisis on your smartphone or tablet and easily contact CAPS or RUPD.

Counseling, ADAP & Psychiatric Services (CAPS)
(848) 932-7884 / 17 Senior Street, New Brunswick, NJ 08901/ rhscaps.rutgers.edu/
CAPS is a University mental health support service that includes counseling, alcohol and other drug assistance, and psychiatric services staffed by a team of professional within Rutgers Health services to support students’ efforts to succeed at Rutgers University. CAPS offers a variety of services that include: individual therapy, group therapy and workshops, crisis intervention, referral to specialists in the community and consultation and collaboration with campus partners.

Violence Prevention & Victim Assistance (VPVA)
(848) 932-1181 / 3 Bartlett Street, New Brunswick, NJ 08901 / vpva.rutgers.edu/
The Office for Violence Prevention and Victim Assistance provides confidential crisis intervention, counseling and advocacy for victims of sexual and relationship violence and stalking to students, staff and faculty. To reach staff during office hours when the university is open or to reach an advocate after hours, call 848-932-1181.
Disability Services
(848) 445-6800 / Lucy Stone Hall, Suite A145, Livingston Campus, 54 Joyce Kilmer Avenue, Piscataway, NJ 08854 / https://ods.rutgers.edu/

The Office of Disability Services works with students with a documented disability to determine the eligibility of reasonable accommodations, facilitates and coordinates those accommodations when applicable, and lastly engages with the Rutgers community at large to provide and connect students to appropriate resources.

Scarlet Listeners
(732) 247-5555 / http://www.scarletlisteners.com/
Free and confidential peer counseling and referral hotline, providing a comforting and supportive safe space.

Cd’A 7/10/2017