Course Objectives:
Students completing the Clinical Immunology, Hematology, Oncology Therapeutics course will be able to demonstrate the following competencies:

1. Design, implement, monitor, evaluate, and modify or recommend modifications in drug therapy to ensure effective, safe, and economical patient care.
2. Identify, assess, and solve medication-related problems (e.g. dosing, drug interactions, drug contraindications, adverse effects, etc), and provide clinical judgment as to the continuing effectiveness of individualized therapeutic plans and intended therapeutic outcomes.
3. Evaluate patients and order medications and/or laboratory tests in accordance with established standards of practice.
4. Evaluate patient problems and triage patients to other health professionals as appropriate.
5. Monitor and counsel patients regarding the purposes, uses, and effects of their medications and related therapy.
6. Understand relevant diet, nutrition and non-drug therapies.
7. Evaluate drug orders and prescriptions.
8. Use clinical data to optimize therapeutic drug regimens.
9. Apply professional information and literature to patient-specific situations.
10. Perform pharmacy calculations (dose calculations, rate calculations, dose conversions, etc).
11. Promote public health (provide disease detection/prevention education).

Specific learning objectives will be provided for each lecture; however, all lectures/course assignments and exams are designed to emphasize the above general professional competencies.

Course Materials:
General course information and course materials will be available through the course website on sakai. You are required to download handouts from the Sakai website, which may be accessed at https://sakai.rutgers.edu/portal.

NO HANDOUTS WILL BE MADE AVAILABLE AT THE LECTURE(S) UNLESS OTHERWISE NOTED ON THE WEBSITE—IT IS YOUR RESPONSIBILITY TO DOWNLOAD THE HANDOUT(S) PRIOR TO LECTURE.
Textbooks/PodCasts/Documentaries:
There is no required textbook for this course. You may be assigned required readings from the Pharmacotherapy textbook used in prior Therapeutics modules (Cardiopulmonary, etc.).

Additional readings may be assigned and will either be downloadable from the course website or the citation will be provided for copying from the Library of Science and Medicine.


Select podcasts will also be employed throughout the course. Please refer to the calendar for specifics. Most podcasts will be from RadioLab.

Classroom etiquette:
Unprofessional, disruptive behavior in the classroom will not be tolerated. You will be asked to leave if you are found to be causing a distraction to those around you by carrying on conversations, making/receiving phone calls, texting, or surfing the web.

Please be sure to turn off all communication devices (cell phones, pagers, etc). Failure to do so may result in expulsion from class. Tardiness to class will also not be tolerated. Class begins promptly at 12 noon or 5 pm and extreme or habitual tardiness may result in forfeiture of any accrued bonus points.

Attendance Policy:
Attendance at all class lectures is required. If you expect to miss one or two classes, please use the University absence reporting website (https://sims.rutgers.edu/ssra/) to indicate the date and reason for your absence. An email is automatically sent to the class coordinator. Attendance at the recitation sessions is optional.

Clin Imm/Hem/Onc Therapeutics is scheduled for Mondays and Thursdays from 12pm to 1:20pm in SERC 111 and Wednesdays from 5pm to 6:20pm in HILL 114. Wednesdays are generally utilized for class recitations and exams. Upon occasion, Wednesdays may also be used for class lectures and if so class attendance is required. Please review the schedule carefully.

Based on the discretion of the course coordinator, additional credit may be given for class attendance. Credit may be given for attending required and/or optional classes. This credit will then be added onto the overall final grade achieved for the course.

Examinations and Grading:
All exams will be held outside of class time, please be sure to check the syllabus for dates and times of the exams. Exam times cannot be re-scheduled as they are coordinated with Pharmacokinetics and Renal Therapeutics. Recitations are held throughout the year to assist with the review of material and are highly encouraged. In additional, optional “online chat room review sessions” may be held prior to each exam on our class sakai site. The format of the review session is at the discretion of the instructor(s).

Four examinations are scheduled for the course (three 80 minute examinations and a 120 minute FINAL EXAM). Each exam is cumulative, with the majority of the material focusing on the new lectures. Point totals for each exam are as follows:
Exam 1: 100 points (7 lectures)
Exam 2: 100 points (6 lectures)
Exam 3: 100 points (6 lectures)
Exam 4: 160 points (8 lectures)

A total of 460 points is possible through examinations. Students may earn up to an additional ~20 points of extra credit through bonus questions, quizzes, or other assignments.

Letter grades will be assigned based on the percentage of total possible points out of 460, according to the following grading scale:

<table>
<thead>
<tr>
<th>Percentage</th>
<th>Letter Grade</th>
</tr>
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<tbody>
<tr>
<td>90-100</td>
<td>A</td>
</tr>
<tr>
<td>86-89</td>
<td>B+</td>
</tr>
<tr>
<td>80-85</td>
<td>B</td>
</tr>
<tr>
<td>76-79</td>
<td>C+</td>
</tr>
<tr>
<td>70-75</td>
<td>C</td>
</tr>
<tr>
<td>60-69</td>
<td>D</td>
</tr>
<tr>
<td>&lt;60</td>
<td>F</td>
</tr>
</tbody>
</table>

There will be a one-week period after return of graded examinations in which grade adjustments will be considered (ie. re-grading of questions/exams). Challenges of exam questions will not be considered outside of this period.

Make-up examinations:
There will be NO MAKE-UP EXAMS for unexcused absences. You must notify the course coordinator directly regarding your absence BEFORE the exam (or within 24 hours after the exam if prior is not feasible) and provide documentation of the reason for your absence in order for the absence to be excused. Only students who receive verbal or written authorization for an excused absence from the course coordinator will be eligible to take a make-up exam.

The format of the make-up exam is at the discretion of the instructor(s) (i.e. fill-in, essay, multiple choice, etc). There will be ONE cumulative make-up exam at the end of the semester for all exams missed—there will NOT be separate make-ups for exams 1, 2 and 3.

Extra Credit quizzes or extra credit assignments will be assigned at the discretion of the instructors. There will be NO MAKEUPS for quizzes and late extra credit assignments WILL NOT be accepted.

Examination etiquette:
Upon entering the exam room, please leave all book-bags, jackets, hats and other personal items at the back, sides or front of the classroom. Only items necessary for the examination should be on your desk. Calculators will be provided. Opaque pencil cases or cases of any other kind are not allowed. If a pencil case is used it must be clear or a clear ziplock bag may be used to hold pencils/pens. While food items should be avoided during the examination, if it is needed, all food items/drinks are to be in clear containers with all outer wrappings/labels removed. There is no need for any other additional paper (such as ‘scrap paper’), other than the exam and necessary scantrons. Please note that any item or material may be examined at any time at the discretion of the instructor(s). In addition, a student may be moved to a different seat at any time during the exam at the discretion of the proctors.
As in other courses, there will be a “no content related questions” policy. During the exam, students may not ask questions related to exam content. Students may ask non-content related questions (numbering errors, duplications in answers, typographical errors), asking to use the restroom, etc.

Please make all possible attempts to use the restrooms prior to the beginning of an exam. Should you require use of the restroom during the exam, please notify the instructor(s). You will be asked to sign out and sign in. Your seat may be moved upon your return to the examination room. This is at the discretion of the instructor(s). Students are allowed to use the restroom once per examination period unless a medical rationale is provided to the course coordinator and written or verbal permission is given.

**Tutoring:**
The class offers various recitation/review sessions on Wednesdays evenings (please refer to class schedule for exact dates) and “online chat room” review sessions prior to the exams. If students should require additional help throughout the semester, they may contact the Pharmacy Practice and Administration Tutoring Program by emailing RUPharmTutor@gmail.com to request tutoring services.

**Academic Integrity:**
Students should familiarize themselves with the school’s Academic Integrity policy. Students are also encouraged to report any violations to the academic integrity policy to any faculty member.

Violations of the school’s policy on academic integrity will not be tolerated and may lead to academic suspension and a failing grade in the course or expulsion from the School of Pharmacy.

To view this policy please contact the Dean’s office or refer to the University website at: http://teachx.rutgers.edu/integrity/policy.html

**Course Instructor Evaluations:**
Online forms will be provided at the end of the semester to evaluate the design and content of the course and to evaluate each instructor. Your comments and suggestions are greatly appreciated and will be used to modify (and improve) the course in the future.

**Office Hours:**
All instructors practice at clinical sites that are removed from the School of Pharmacy. Office hours will therefore be scheduled by appointment only. Questions regarding specific lectures or examination questions may be directed to the appropriate instructor (or you may contact Drs. Pereiras or Howlett via email who can forward the question to the appropriate faculty member). For any general course-related problems or questions, please contact Drs. Pereiras/Howlett first.

Office hours following each exam will be provided (schedule to be announced).