Fall 9-1-2001

PHAR 451.01: Therapeutics I

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University of Montana, Missoula

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Pharmacy 451 - Therapeutics I
MWF 910-1000 SB 117
Fall, 2001  3 credits

Corequisite - Pharmacy 443

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e-mail: sjmiller@selway.umt.edu

Instructors: Cathy Bartels
Gayle Cochran
Larry Dent
Sarah Miller
Marian Paynter
Jeannie Swain

Required Texts/Readings:
1. Handbook of Nonprescription Drugs, 12th ed, APhA
3. Medical Letter on Drugs and Therapeutics
4. A medical dictionary

Expect to use all of these references throughout the next 3 or 4 semesters of Therapeutics and Integrated Studies and throughout clerkship.

Other references:
1. Pharmacy Practice Manual, 2nd ed., Boh – you are encouraged to purchase this reference as you will find it useful throughout the Therapeutics and Integrated Studies sequences and in clerkship for information such as explanations of lab tests and diagnostic procedures, calculations, and kinetics.
2. Applied Therapeutics: The Clinical Use of Drugs, 7th ed., Koda-Kimble and Young
4. Nonprescription Drug Therapy: Guiding Patient Self-Care, Facts and Comparisons
(These texts are available in Learning Support Services)

Course Guidelines:

The Therapeutics sequence is designed to allow the student to think creatively and to accept responsibility for his/her own learning; this responsibility will increase from Therapeutics I to II to III to IV. Students will be expected to have completed the required reading for a given lecture before the lecture is delivered. Some of the learning objectives supplied will not be covered in class; the student will be expected to glean this information from the required readings.
The instructors in this sequence welcome and encourage class participation. Please feel free to ask pertinent questions in class. Also, do not be surprised if you are called on to answer questions or otherwise comment in class. Short in-class writing or group discussion assignments may occasionally be utilized to further develop your thinking skills and to elicit your feedback about the class.

One written assignment will be required during the semester. Students will be required to monitor their own mean daily individual intake of calories and selected nutrients for a period of at least 3 days, comparing these personal results with Recommended Dietary Allowances. They will also monitor energy output for this same period. Details of this assignment will be given in the Introduction to Nutrition lecture.

*Additional reading assignments may be announced throughout the semester.

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOPIC</th>
<th>LECTURER</th>
<th>READING</th>
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</thead>
<tbody>
<tr>
<td>Sept. 5</td>
<td>Pharmaceutical Care</td>
<td>MP</td>
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<tr>
<td>7</td>
<td>Monitoring Drug Therapy</td>
<td>MP</td>
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<td>11</td>
<td>Infant nutrition</td>
<td>SJM</td>
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<tr>
<td>14</td>
<td>Pediatric nutrition (quiz)</td>
<td>SJM</td>
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<td>17</td>
<td>Geriatric nutrition</td>
<td>SJM</td>
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<tr>
<td>19</td>
<td>Geriatric nutrition</td>
<td>SJM</td>
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<tr>
<td>21</td>
<td>Geriatrics</td>
<td>GAC</td>
<td>2:52-59</td>
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<tr>
<td>24</td>
<td>Geriatrics</td>
<td>GAC</td>
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<tr>
<td>26</td>
<td>Exam #1 – 80 points</td>
<td>SJM</td>
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<tr>
<td>28</td>
<td>Nutr in pregnancy/lactation</td>
<td>SJM</td>
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<td>Oct 1</td>
<td>Nutrition in cancer px</td>
<td>SJM</td>
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<td>3</td>
<td>Heart-healthy diet</td>
<td>SJM</td>
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<td>5</td>
<td>Weight control</td>
<td>SJM</td>
<td>1:465-73</td>
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<tr>
<td>8</td>
<td>Weight control (quiz)</td>
<td>SJM</td>
<td>1:473-80</td>
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<tr>
<td>10</td>
<td>Drug-food interactions</td>
<td>SJM</td>
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<td>12</td>
<td>Alternative medicine</td>
<td>CLB</td>
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<td>15</td>
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<td>17</td>
<td>Alternative medicine</td>
<td>CLB</td>
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<tr>
<td>19</td>
<td>No class</td>
<td>CLB</td>
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<tr>
<td>22</td>
<td>Dietary supplements</td>
<td>CLB</td>
<td>1:953-55</td>
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<tr>
<td>24</td>
<td>Exam 2 – 100 points</td>
<td>CLB</td>
<td></td>
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<tr>
<td>26</td>
<td>Oral health</td>
<td>SJM</td>
<td>1:559-582</td>
</tr>
</tbody>
</table>
29  Anemia     SJM  2:1531-47
31  Constipation/diarrhea SJM  1:273-298

Nov  2  Anat/phys of skin; dermatitis JS  1:613-31
      5  Dermatitis; psoriasis(quiz) JS  1:633-45; 2:1496-1502
      7  Acne     JS  1:701-14; 2:1490-6
      9  Foot disorders; fungus JS  1:773-9, 782-807
     12  Veteran’s Day – no class
     14  Burns; sun-induced disorders; JS  1:715-34, 737-52, 819-27
          photoaging
     16  Poison ivy; bites/stings; lice JS  1:647-63, 681-700
     19  Exam 3 – 100 points
     21  Travel day – no class
     23  Holiday – no class
     26  Hair loss; diaper rash/prickly JS  1:829-37, 664-78, 319-35
          heat; anorectal
     28  Cold/allergy     SJM  1:179-212
     30  Cold/allergy     SJM  2:1483-1487

Dec  3  Glaucoma     GAC  1:483-506
      5  Contact lenses (quiz) GAC  1:509-538
      7  Eye care     GAC  2:1466-1477
     10  Ophthalmic infections GAC
     12  Nicotine addiction LD  1:899-912
     15  Nicotine addiction LD  JAMA
          2000;283:3244-54.

18  Final exam – 10:10 to 12 – Room TBA – 120 points

Grading:
3 midterm tests: 80 (#1); 100 (#2); 100 (#3) points
Final exam (comprehensive, heavily weighted to new material): 120 points
Quizzes: 60 points (20 points each; drop lowest quiz)
3 day diet/activity log: 40 points - due on Oct. 10

TOTAL POINTS FOR COURSE: 500 points

Quizzes: Quizzes are designed to encourage studying between exams (i.e., to discourage cramming). Quizzes will be given at the beginning of class on the 4 days designated on the syllabus. The lowest quiz grade will be thrown out. NO MAKE-UPS WILL BE ALLOWED FOR QUIZZES (NO EXCEPTIONS); consider a missed quiz a throw-out quiz. Quizzes will be objective (multiple choice, true-false, or matching).
**Exams:** Exam format will vary from instructor to instructor, but expect a significant portion of exams to be case-based with answers to be supplied in short answer format.

**Grading Scale:**

90-100%: A  
80-89.99%: B  
70-79.99%: C  
65-69.99%: D  
<65%: F

**Class civility:** Your student colleagues have strongly indicated to the faculty that they wish to spend their valuable time in class listening to the therapeutics topics. They **do not** appreciate any “side” conversations while the instructor is lecturing. They **do** appreciate students raising discussion about important lecture aspects for further discussion or clarification.

Out of respect for your classmates, we will not tolerate excessive and disruptive talking during lecture. The instructor may first ask you to be silent; you may be asked to leave class if you persist in disruptive talking. The instructor will be the judge of what constitutes disruption. Please note that we **encourage** questions and relevant discussion.