Fall 9-1-2000

PHAR 451.01: Therapeutics I

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The University Of Montana

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Pharmacy 451 - Therapeutics I

MWF 910-1000 CP204
Fall, 2000 3 credits

Corequisite - Pharmacy 443

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Instructors: Cathy Bartels
Gayle Cochran
Larry Dent
Amy Gruel
Sarah Miller
Marian Paynter

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

Other references:
- Applied Therapeutics: The Clinical Use of Drugs, Young and Koda-Kimble
- Nonprescription Product Therapeutics, 1st ed., Pray
- 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.

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.

Two written assignments 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.

The second assignment will be to complete Over the Counter Products sheet for 10 categories of OTC products as outlined below. For most categories, you will be given a short case scenario and 2 active ingredients or product types to compare. You should pick the one of these ingredients or product types which you would recommend and pick a specific representative product containing this ingredient or of this product type which you would recommend. You will probably find it helpful to visit a store with a selection of OTC products for completion of these assignments. These sheets will be due throughout the semester to coincide with related Integrated Studies sessions. You will be expected to have completed the form before coming to Integrated Studies during the designated week. The Integrated Studies facilitator will collect these forms and return them with comments the following week. You are expected to keep these forms in a notebook; you will add other OTC sheets during subsequent Therapeutics courses.

**Over the Counter Products Formulary Categories**
- Week of Sept. 18 – Oral rehydration solutions
- Week of Sept. 25 – Prenatal vitamins
- Week of Oct. 2 – Multivitamin
- Week of Oct. 9 – Appetite suppressant
- Week of Oct. 23 – Herbal
- Week of Oct. 30 – Iron supplement
- Week of Nov. 6 – Hemorrhoidal
- Week of Nov. 13 – Contact dermatitis
- Week of Nov. 27 – Acne
- Week of Dec. 4 – Cold

*Additional reading assignments may be announced throughout the semester.

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOPIC</th>
<th>LECTURER READING*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sept. 6</td>
<td>Pharmaceutical Care</td>
<td>MP</td>
</tr>
<tr>
<td>8</td>
<td>Monitoring Drug Therapy</td>
<td>MP</td>
</tr>
<tr>
<td>11</td>
<td>Intro to Nutrition</td>
<td>SJM <a href="http://www.nalusda.gov/fnic/">www.nalusda.gov/fnic/</a></td>
</tr>
<tr>
<td>12 Tu 9:40</td>
<td>Infant nutrition</td>
<td>SJM 1:439-462</td>
</tr>
<tr>
<td>15</td>
<td>Pediatric nutrition (quiz)</td>
<td>SJM</td>
</tr>
<tr>
<td>18</td>
<td>Geriatric nutrition</td>
<td>SJM</td>
</tr>
<tr>
<td>20</td>
<td>Geriatric nutrition</td>
<td>SJM</td>
</tr>
<tr>
<td>22</td>
<td>Nutr in preg/lactation</td>
<td>SJM</td>
</tr>
<tr>
<td>25</td>
<td>No class in lieu of exam</td>
<td>CLB</td>
</tr>
<tr>
<td>27</td>
<td>Nutrition in cancer</td>
<td>CLB</td>
</tr>
<tr>
<td>28</td>
<td>Test #1 – 8AM to 9:40AM SB 114</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>Nutr in cancer px</td>
<td>SJM</td>
</tr>
</tbody>
</table>
Oct
2  Healthy heart diet  SJM
4  Weight control  SJM  1:465-473
6  Weight control  SJM  1:473-480
9  Drug-food interactions (quiz)  SJM
11  Alternative medicine  ALG

Intake/activity assignment due
13  Alternative medicine  ALG
16  Alternative medicine  ALG
18  Dietary supplements  CLB  1:953-955
20  IMH conference 9:10-10:10AM University Center
23  Oral health  SJM  1:559-582
25  No class in lieu of exam
26  Test #2 - 8AM to 9:40AM SB 114
27  Anemia  SJM  2:1531-47
30  Constipation  SJM  1:273-298

Nov
1  Ext anal, anorectal dz  LD  1:97-111,319-335
3  Anat/phys of skin;dermatitis (quiz)  LD  1:613-631,633-645
6  Dermatitis; bites/stings/lice  LD  1:665-678,681-700
8  Burns/Photoaging  LD  1:715-734,819-827
10  No class – Veterans’ Day
13  Fungal/foot disorder/hair loss  LD  1:773-779,795-806, 1:783-795,829-837
15  Acne  SJM  1:701-714
17  Poison ivy/oak; diarrhea  SJM  2:1493-1496
20  Nicotine addiction  LD  1:647-663; 301-318
27  Cold/allergy  SJM  1:179-212
29  Cold/allergy  SJM  2:1483-1487
30  Test #3 - 8AM to 9:40AM SB 114

Dec
1  Geriatrics  GAC  2:52-59
4  Geriatrics  GAC
6  Eye care  GAC  1:483-506
8  Contact lenses  GAC  1:509-538
11  Glaucoma  GAC  2:1466-1477
13  Ophthalmic infections  GAC
15  No class in lieu of exam
20  Final exam – 8:10 to 10 – Room TBA

1:Handbook of Nonprescription Drugs
2:DiPiro
5:Boh
Note that Therapeutics I will meet on Tues 9-12 at 9:40AM in SB 117 and Pharmacokinetics (432) will meet on Wed 9-13 at 9:10AM in CP 204.

Grading:
3 midterm tests: 80 (#1); 120 (#2); 100 (#3) points
Final exam (comprehensive, heavily weighted to new material): 100 points
Quizzes: 40 points (20 points each; drop lowest quiz)
3 day diet/activity log: 30 points - due on Oct. 16
OTC formulary: 30 points
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 3 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. Exams will be given in the pharmacy school exam slot in the late afternoon on dates to be announced the first week of class.

Grading Scale:

90-100%: A
80-89.9%: B
70-79.9%: C
65-69.9%: 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.