Fall 9-1-2001

PHAR 309.01: Pharmacy Practice I - Introduction to Pharmacy

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Pharmacy Practice I
Introduction to Pharmacy
Fall 2001
M-T-Th-F 11:10 a.m. - 12:00 noon SB 114

Course Description: The first in a series of Pharmacy Practice courses, this course is designed to introduce the student to the expanding role of the pharmacist in today’s rapidly changing healthcare environment.

Prerequisite: First professional year in pharmacy

Course Coordinators: Gayle Cochran, Pharm.D. SB 324 Telephone: 243-6495 geochran@selway.umt.edu
Lisa Barnes, R.Ph., MBA SB 352 Telephone: 243-4203 lbarnes@selway.umt.edu

Course Format: Lectures, guest speakers, activities outside of the classroom

Required Resources: Medical terminology and abbreviations handout Calculations problem sets Clinical Pharmacology Internet access, $35, Cash or check payable to School of Pharmacy, due September 15, to Margaret Bachmeier, SB 316

Goal: The goal of this course is to introduce the student to the profession of pharmacy.

Objectives: Upon completion of this course, the student will be able to:

- Define professionalism and describe how pharmacy students become healthcare professionals;
- Differentiate among primary, secondary, and tertiary literature sources;
- List three characteristics of a quality medical website;
- Describe the US health care delivery system and the roles of various health professionals on the healthcare team;
- Describe the current and potential roles of pharmacists in the healthcare system;
- Counsel a patient regarding the proper use of selected non-prescription medications;
- Describe the information contained in a prescription;
- Perform calculations associated with the compounding, dispensing and administration of pharmaceutical agents.

Attendance Policy: Students are EXPECTED to attend every class session, actively participate in class discussions and perform satisfactorily on all assignments and examinations. Students unable to attend a particular session must contact the instructor. Please refer and adhere to the student conduct code regarding classroom behavior.
**Required activities/assignments:**
1. Each student will prepare a resume prior to the Big Sky Career Fair on September 26th.
2. Each student will function as a “patient” for PHAR 504/505 Medical History taking exercise during the week of September 24th.
3. Each student will shadow a P-4 student on clinical rotations for a 2 hour block of time during Autumn semester. Your experiences will be discussed in Integrated Studies at the end of Autumn semester or the beginning of Spring semester.
4. Each student will complete their mini-externships (community and hospital) by November 30th and present on the experiences in Integrated Studies during the week of December 4th.

**Pharmacy Calculations:**

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Quiz</th>
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<tbody>
<tr>
<td>10/5</td>
<td>Weights &amp; measures; Problem Solving</td>
<td>10/11</td>
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<tr>
<td>10/12</td>
<td>Dosage calculations; units</td>
<td>10/19</td>
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<tr>
<td>10/18</td>
<td>Formulas, specific gravity</td>
<td>10/25</td>
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<tr>
<td>10/26</td>
<td>Percent and ratio strength</td>
<td>11/01</td>
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<tr>
<td>11/02</td>
<td>Dilution</td>
<td>11/08</td>
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<tr>
<td>11/09</td>
<td>Dilution and alligation</td>
<td>11/15</td>
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<tr>
<td></td>
<td>Dosage forms in compounding</td>
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**Grading:** The final grade of this course will be based on your performance in the following categories:
- 25% Calculations quizzes (best five of six quizzes; make up quizzes will **NOT** be given)
- 25% Pharmacy abbreviation quiz, medical terminology quiz, drug quizzes
- 10% Assignments (mini-externship, resume)
- 20% Midterm Exam
- 20% Final Exam

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>90-100</td>
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<td>B</td>
<td>80-89</td>
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<td>C</td>
<td>70-79</td>
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<tr>
<td>D</td>
<td>65-69</td>
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<tr>
<td>F</td>
<td>&lt;65</td>
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Class meetings:

Tuesday, Sept. 4  Introduction
Gayle Cochran, Lisa Barnes

Thursday, Sept. 6  Resume writing
Cindy Boies, Career Services

Friday, Sept. 7  Vision of Pharmacy
David Forbes, Dean, SPAHS

Monday, Sept. 10  Professionalism
Herbert Swick, M.D.

Tuesday, Sept. 11  Drug Information Sources
Danielle Dauenhauer, Cathy Bartels

Friday, Sept. 14  Panel Presentation
Board of Visitors, School of Pharmacy

Monday, Sept. 17  Computers in Drug Information
Danielle Dauenhauer, Cathy Bartels

Tuesday, Sept. 18  Learning Strategies
Jean Carter

Friday, Sept. 21  Professional Pharmacy Students
Lori Morin

Monday, Sept. 24  Drug Information Web Sites
Danielle Dauenhauer, Cathy Bartels

Tuesday, Sept. 25  Experiential Education
Gayle Cochran

Thursday, Sept. 27  Overview of Statistics
Tim Stratton

Friday, Sept. 28  Abbreviations Quiz
Final Copy of Resume Due

Monday, Oct. 1  Interpreting the Prescription
Bob Williams

Tuesday, Oct. 2  Interpreting the Prescription
Bob Williams

Thursday, Oct. 4  Medical Terminology Quiz
Todd Cochran

Friday, Oct. 5  Calculations I
Todd Cochran

Monday, Oct. 8  Health Care Systems Overview
Lori Morin

Tuesday, Oct. 9  Other Health Care Professionals
Gayle Cochran

Thursday, Oct. 11  Calculations Quiz I
Calculations II
Todd Cochran

Friday, Oct. 12  Review
Gayle Cochran, Lisa Barnes

Monday, Oct. 15  Pharmaceutical Care
TBA

Tuesday, Oct. 16  Role of the Pharmacist
TBA

Thursday, Oct. 18  Calculations III
Todd Cochran

Friday, Oct. 19  Calculations Quiz II

Monday, Oct. 22  Review
Gayle Cochran, Lisa Barnes

Tuesday, Oct. 23  Mid-term Exam

Thursday, Oct. 25  Calculations Quiz III

Friday, Oct. 26  Calculations IV
Howard Beall

Monday, Oct. 29  Patient Counseling
Lisa Barnes

Tuesday, Oct. 30  Pharmacy Organizations
Jim Smith, Executive Director, MPA
Lee Ann Bradley, MPA President-Elect

Thursday, Nov. 1  Calculations Quiz IV

Friday, Nov. 2  Calculations V
Howard Beall

Monday, Nov. 5  The Physician’s Perspective
Guest speaker

Tuesday, Nov. 6  Community Practice: Chain
Guest speaker

Thursday, Nov. 8  Calculations Quiz V

Friday, Nov. 9  Calculations VI
Howard Beall

Monday, Nov. 12  Veterans Day Holiday

Tuesday, Nov. 13  Calculations Quiz VI

Friday, Nov. 16  Calculations VII

Monday, Nov. 19  Calculations VIII

Thursday, Nov. 22  Calculations IX

Friday, Nov. 23  Calculations X

Monday, Nov. 26  Calculations XI

Thursday, Nov. 29  Calculations XII

Friday, Nov. 30  Calculations XIII

Monday, Dec. 3  Calculations XIV

Thursday, Dec. 6  Calculations XV

Friday, Dec. 7  Calculations XVI

Monday, Dec. 10  Calculations XVII

Thursday, Dec. 13  Calculations XVIII

Friday, Dec. 14  Calculations XIX

Monday, Dec. 17  Calculations XX

Thursday, Dec. 20  Calculations XXI

Friday, Dec. 21  Calculations XXII

Monday, Dec. 24  Calculations XXIII

Thursday, Dec. 27  Calculations XXIV

Friday, Dec. 28  Calculations XXV

Monday, Dec. 31  Calculations XXVI
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<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Presenter/Location</th>
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<tbody>
<tr>
<td>Tuesday, Nov. 13</td>
<td>Community Practice: Independent</td>
<td>Jim O’Connor, Palmer’s Drug</td>
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<td>Jeanine O’Connor, Eastgate Drug</td>
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<td>Thursday, Nov. 15</td>
<td><strong>Calculations Quiz VI</strong></td>
<td>Paul Brand, Florence Community Pharmacy</td>
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<tr>
<td>Friday, Nov. 16</td>
<td>Community Practice: Clinic</td>
<td>Paul Brand, Florence Community Pharmacy</td>
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<td>Tim Stratton</td>
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<td>Donna Beall</td>
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<td>Monday, Nov. 19</td>
<td>Rural Health Care</td>
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<td>Tuesday, Nov. 20</td>
<td>Managed Care</td>
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<tr>
<td>Thursday, Nov. 22</td>
<td>Thanksgiving</td>
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<tr>
<td>Friday, Nov. 23</td>
<td>Thanksgiving vacation</td>
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<td>Monday, Nov. 26</td>
<td>Ambulatory Care Practice</td>
<td>Larry Dent, Vince Colucci</td>
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<td>Tuesday, Nov. 27</td>
<td>Hospital Pharmacy Practice</td>
<td>Doug Allington, Mike Rivey</td>
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<td>Friday, Nov. 30</td>
<td>Long Term Care Pharmacy</td>
<td>Bob Williams</td>
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<td>Monday, Dec. 3</td>
<td>Pharmacy Specialization</td>
<td>Sarah Miller, Marian Paynter</td>
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<tr>
<td>Tuesday, Dec. 4</td>
<td>Home Health &amp; Hospice</td>
<td>Rose Macklin</td>
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<td>Friday, Dec. 7</td>
<td>Compounding Pharmacy</td>
<td>Holly Graff, Rocky Mountain Pharmacy</td>
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<td><strong>Mini-Externship Reports Due</strong></td>
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<td>Monday, Dec. 10</td>
<td>Academia</td>
<td>Jean Carter</td>
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<tr>
<td>Tuesday, Dec. 11</td>
<td>Research/Graduate studies</td>
<td>Vern Grund, Graduate Student</td>
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<tr>
<td>Thursday, Dec. 13</td>
<td>Residencies/Fellowships</td>
<td>Jeannie Swain, Denice Miller</td>
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<tr>
<td>Friday, Dec. 14</td>
<td>Review</td>
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<tr>
<td>Thursday, Dec. 20</td>
<td><strong>Final Exam</strong></td>
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