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Fall 9-1-2008

### PHAR 309.01: Pharmacy Practice I

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**PHAR 309: Pharmacy Practice I**  
**Introduction to Pharmacy**  
**Fall 2008**  
**M W F 11:10 a.m. - 12:00 noon SB 117**  
**Th 11:10 a.m. – 12:00 noon SB 117 (Quizzes)**

**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 Hudgins, Pharm.D. Office: SB 324 Telephone: 243-6495  
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E-mail: [Lisa.Wrobel@umontana.edu](mailto:Lisa.Wrobel@umontana.edu)

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

**Required Resources:** Text: Pharmacy – What it is and How it Works, WN Kelly, CRC Press, 2007, 2<sup>nd</sup> Ed.  
Medical terminology and abbreviations handouts  
Calculation handouts and problem sets

**Recommended**

**Resources:** Lexicomp's Drug Information Handbook, 17<sup>th</sup> edition  
Clinical Pharmacology at [www.gsm.com](http://www.gsm.com)

**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:

- Differentiate among primary, secondary, and tertiary literature sources;
- List three characteristics of a quality medical website;
- Develop a professional resume for seeking a pharmacy internship position;
- Define professionalism and describe how pharmacy students become health care professionals;
- Describe the information contained in a prescription;
- Perform calculations associated with the compounding, dispensing and administration of pharmaceutical agents;
- Describe the US health care delivery system and the roles of various health professionals on the healthcare team;
- Define pharmaceutical care;
- Name three forms of complementary or alternative health care;
- Describe the current and potential roles of pharmacists in the healthcare system;
- Interview an older adult about his or her life story.

**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

**Academic Honesty:** All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University. All students need to be familiar with the Student Conduct Code. The Code is available for review online at <http://life.umt.edu/VPSA/name/StudentConductCode>

**Required activities/assignments:**

1. Each student will prepare a resume' for use in obtaining an internship position.
2. Each student will function as a “patient” for PHAR 505 Medical History taking exercise during the week of September 8th.
3. Each student will complete the mini-externships (community and institutional) by November 21<sup>st</sup>. and will present on the experiences in Integrated Studies during the week of November 24th.
4. Each student will participate in an intergenerational service learning experience with an assigned senior citizen.
5. Each student will complete a career planning exercise on a pharmacy career of choice.

**Pharmacy Calculations:**

Date	Topic	Quiz
9/26	Weights & measures Problem solving	10/2
10/3	Dosage calculations Dosage forms in compounding	10/9
10/10	Formulas, specific gravity Units of potency	10/16
10/24	Percent and ratio strength	10/30
10/31	Dilution	11/6
11/7	Dilution and allegation	11/13

Make-up calculation and drug quizzes will not be given. A cumulative make-up calculations quiz will be given at the end of the calculations lectures. One of the drug quiz scores will be dropped without penalty.

**Grading:** The final grade in this course will be based on your performance in the following Categories:

	<u>Points</u>
Calculation quizzes (six quizzes) – 25 points each	150
Drug knowledge quizzes (best five of six quizzes) – 10 points each	50
Pharmacy abbreviation and medical terminology quizzes – 25 points each	50
Resume and mini-externships – 25 points each	50
Intergenerational service learning	75
Midterm exam	75
Career planning exercise	75
TOTAL	525

93-100%	A
90-92%	A-
87-89%	B+
83-86%	B
80-82%	B-
77-79%	C+
73-76%	C
70-72%	C-
67-69%	D+
63-66%	D
60-62%	D-
<59%	F

**Class Meetings: Phar 309, Fall 2007  
Schedule**

<b>Date</b>	<b>Topic</b>	<b>Chapter</b>	<b>Speaker</b>
M, Aug. 25	Introduction		Gayle Hudgins, Lisa Wrobel
W, Aug. 27	Resumes, Interviewing	20	Gayle Hudgins
F, Aug. 29	Vision of Pharmacy	1	David Forbes, Dean
M, Sept. 1	Labor Day Holiday		
W, Sept. 3	Intro to Drug Information	14	Sherrill Brown
F, Sept. 5	Professionalism	2	Lori Morin
M, Sept. 8	Professional Pharmacy Students	2	Lori Morin
W, Sept. 10	Overview of Statistics		Curtis Noonan
F, Sept. 12	Overview of Statistics		Curtis Noonan
	<b>First Draft of Resume Due</b>		

M, Sept. 15	Interpreting the Prescription	4	Lisa Wrobel
W, Sept. 17	Interpreting the Prescription	4	Lisa Wrobel
<b>Th, Sept. 18</b>	<b>Abbreviations Quiz</b>		
F, Sept. 19	Experiential Education		Gayle Hudgins
M, Sept. 22	Health Care Systems Overview	3	Brian Meissner
W, Sept. 24	Health Care Systems Overview	3	Brian Meissner
Th, Sept. 25	<b>Medical Terminology Quiz</b>		
F, Sept. 26	Calculations I		Lisa Wrobel
M, Sept. 29	History of Pharmacy	7	Lisa Wrobel
W, Oct. 1	Role of the Pharmacist	4, 17	Lisa Wrobel
<b>Th, Oct. 2</b>	<b>Calculations/Drug Quiz I</b>		
F, Oct. 3	Calculations II		Lisa Wrobel
M, Oct. 6	Other Health Care Professionals	5	Gayle Hudgins
	<b>Final Draft of Resume Due</b>		
W, Oct. 8	The Physician's Perspective		Dave Bell, M.D., Medical Director, CHC
<b>Th, Oct. 9</b>	<b>Calculations Quiz II</b>		
F, Oct. 10	Calculations III		Lisa Wrobel
<b>M, Oct. 13</b>	<b>Midterm Exam (through 10/8)</b>		
W, Oct. 17	Alternative Health Care	19	Lisa Barnes
Th, Oct. 18	<b>Calculations Quiz III</b>		
F, Oct. 19	Panel Presentation	16	Board of Visitors
M, Oct. 20	Career Pathway Evaluation Program		Gayle Hudgins
W, Oct. 22	Community Pharmacy: Independent	8	
F, Oct. 24	Calculations IV		Lisa Wrobel
M, Oct. 27	Community Pharmacy: Chain	8	Tony King, Walgreens Pharmacy
W, Oct. 29	Calculations V		Lisa Wrobel
<b>Th, Oct. 30</b>	<b>Calculations Quiz IV</b>		
F, Oct. 31	Compounding Pharmacy	19	Kristin Robbins, Missoula Pharmacy
M, Nov. 3	Rural Pharmacy Practice	8	Kelcey Diemert, Chinook Pharmacy
W, Nov. 5	Pharmaceutical Industry	18	Kyle Downey, Sanofi-Aventis, Spokane
<b>Th, Nov. 6</b>	<b>Calculations Quiz V</b>		
F, Nov. 7	Calculations VI		Lisa Wrobel
M, Nov. 10	Veterans Day – Holiday		
W, Nov. 12	Senior Care Pharmacy	12	Gayle Hudgins
<b>Th, Nov. 13</b>	<b>Calculations Quiz VI</b>		
F, Nov. 14	Managed Care Pharmacy Overview	10	Donna Beall

M, Nov. 17	Managed Care: Mail Order/PBM's	10	Don Smart, Medco Health Solutions, Spokane
W, Nov. 19	Thanksgiving Travel Day		
F, Nov. 21	Thanksgiving Vacation		
	<b>Mini-Externship Reports Due</b>		
M, Nov. 24	Specialization/Certification		Lee Ann Bradley, St. Patrick Hospital
	<b>IGSL Paper Due</b>		
W, Nov. 26	Residencies/Fellowships	2	Kendra Keeley, Katherine Hale
Th, Nov. 27	<b>Make-Up Calculations Quiz</b>		
F, Nov. 28	Hospital Pharmacy Practice	9	Brad Mathis, Cardinal Health
M, Dec. 1	Ambulatory Care Practice	13	Larry Dent
W, Dec. 3	Home Health & Hospice	11	Rose Macklin
F, Dec. 5	Academia/Research	15	Jean Carter
	<b>Pharmacy Career Report Due</b>		
<b>M, Dec. 8</b>	<b>Final Meeting 9:00 a.m., SB 117</b>		

**8/25/08**