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PHAR 505.00: Pharmacy Practice IV–Pharmaceutical Care

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Instructor

Donna G. Beall, Jeff Adams, Sarah Miller, Lisa Barnes, Vincent J. Colucci, and Kendra Keeley

PHAR 505: Pharmacy Practice IV 4 credits

Fall, 2008

M-W-F 8:10-9:00 SB 117

Lab sessions M-Tu-W-Th 1pm-3pm SB 229

Course Description: The fourth in a sequence of Pharmacy Practice courses, this course is designed to challenge the student to apply learned skills and information in a coordinated approach.

Course Coordinator: Donna Beall CHC-106 Telephone: **243-6710**
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Instructors:

Jeff Adams, MD	Curry Health Center	Telephone: 243-2767
Sarah Miller	SB-330	Telephone: 243-5787
Lisa Barnes	SB-318	Telephone: 243-4203
Vince Colucci	SB-346	Telephone: 243-4634
Kendra Keeley	SB-320	Telephone: 243-2310

Materials and Resources:

Required Texts: Jones RM and Rospond RM editors. Patient Assessment in Pharmacy Practice. Philadelphia (PA): Lippincott Williams and Wilkins; 2003.

Goals of the Course:

The goal of this course is to provide the student with practical information about pharmaceutical care and to enhance skills that will optimize drug therapy management. This will include aspects of dispensing, compounding, management, communication (both verbal and written), physical assessment, disease state monitoring, immunization and legal issues.

Objectives:

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

1. Take a cogent health history and perform an appropriate physical assessment that will assist him/her in making decisions regarding optimizing drug therapy in patients;
2. Demonstrate competence in performing, interpreting and recording examination to the level defined in lab for a given system or anatomic region;
3. Develop a care plan, communicate recommendations (both verbally and in writing) to physicians and document interventions when given a case/scenario;
4. After reviewing pertinent literature on a given pharmaceutical care issue/topic, communicate via a debate its relevance to the pharmacy profession;
5. Obtain certification in immunization by demonstrating skill of injection technique and knowledge of immunizations and legal aspects of an immunization program.
6. Demonstrate the ability to interview and assess prospective immunization patients and to safely immunize adult patients in the ambulatory pharmacy setting.

Expectations/Activities:

It is the student's responsibility and obligation to:

1. Attend and participate in lectures and lab sessions. In cases of sickness or other emergencies necessitating a student's absence from a lab session, the student must make arrangements to reschedule. Since students work in groups during the lab sessions, a switch with another group is warranted. All reschedules **must** be prior approved by Donna Beall (243-6710 or e-mail donna.beall@umontana.edu);
2. Read assigned materials **BEFORE** attending class/lab and prepare written assignments to be handed in to instructor when due;
3. Conduct a health/medication history or "brown bag" activity with a senior (refer to assignment);
4. In the assigned small groups, given pharmaceutical care issue/topic, communicate its relevance to the pharmacy profession (refer to assignment);
5. Conduct yourself in a professional manner, understand that confidentiality of the patient (fellow student) must be preserved;
6. Class civility: Your student colleagues have strongly indicated that they wish to spend their valuable time in class listening to topics. They do not appreciate any "side" conversations while the instructor is lecturing. They **do** appreciate students raising questions 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 professionalism code will be honored. Please note that questions and relevant discussion are **encouraged**;
7. Cell phones must be in the "off" mode during class. Disruption due to the use of cell phones in class will not be tolerated; this includes cell phones turned to the "vibration" mode as well as texting. Cell phones will not be allowed out during exams.
8. Young children: It may sometimes be necessary for a student to bring their young child to class, due to school illness policy, daycare provider illness, etc. It is acceptable to bring a child to class in these situations. Please remember that children generally are NOT entertained by lectures, so provide some activity for them during class. It is the responsibility of the parent to assure that the child does not disrupt other students;
9. 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.;>
10. Perform successfully on all activities, exams and final lab practical.

Grading: *The instructor reserves the right to change any of the following including points for an assignment, add assignments, or eliminate assignments. The final grade of this course will be based on your performance in the following categories:*

Lecture exams	2 @ 100 points each
Immunization exam	100 points
Final Exam	50 points
Presentation Activity	100 points
Health/medication history	50 points
(Senior Activity)	
PA Lab practical	100 points
Lab assignments	
Medical Interview	10 points
PA write-ups	40 points
1) Vital signs and HEENT	10
2) Chest and Abdomen	10
3) Complete write-up - Vital signs through neuro	20

650 points total for the course ***** PLEASE NOTE - plusses and minuses may be assigned at the end of the semester when grades are determined.

598-650 points	A ⁻ -A
533-597 points	B ⁻ – B ⁺
468-532 points	C ⁻ – C ⁺
422-467 points	D
<422	F

Assignments

I. Assignment 1: Health/medication history – 50 points

Goal of assignment: Conduct a health/medication history on a senior (age > 65 years). You may interview (in person NOT via telephone) the same individual that you met through earlier senior partner assignments. Be sure he/she is taking at least one prescription medication, nonprescription product or nutritional supplement. Assess the drug regimen and include any recommendation(s) you would have for this patient.

1. This is an “individual” assignment that must be completed by **September 29, 2008**
2. If you need a senior or need contact info on the individual you have used in other assignments, please contact Gayle Hudgins
3. Students may develop their own data collection form for this assignment
4. Data form(s) passed-in must have ALL patient-identifiable information removed
5. Please submit **TWO (2)** copies of this assignment. Gayle Hudgins will keep one for your experiential file.
6. Grading of assignments
 - a. 0 points – not completed
 - b. 5 points lost for each day late
 - c. 5 points will be deducted for each patient-id found in your write-up
 - d. Complete Points (i.e.50) awarded for typed history, complete **with assessment and recommendations and all patient –identifiers removed**

II. “Pharmaceutical Care” Assignment/Presentation – 100 points

Goal of assignment: All issues have different perspectives. It is important to understand relevant issues facing our profession. After reviewing pertinent literature on a given pharmaceutical care issue/topic, communicate its relevance to the pharmacy profession

1. This is a “group” assignment. Groups will be assigned by the instructor. Each member of the group will receive the same grade
2. Topics/Issues and groups will be assigned on the first day of class
3. It is expected, that the group will:
 - a. **Critically** review the literature on the given topic/issue. (Literature evaluation/support is worth 25 points)
 - b. Present their position in 10 minutes
 - c. Lead a discussion (with the “opposing team”) for 10 minutes
4. Students will be evaluated based on the following criteria:

	# points (100 total)	Exceeded expectation (receives total # points)	Met expectation (receives ½ of total points)	Below expectation (receives NO points)
Succinctly stated position	5			
Support of position	25			
Presentation is clear	10			
Presentation is organized	10			
Presentation is concise	10			
Presentation is professional	10			
Time 10 minutes +/- two minutes	5			
Facilitation of discussion	10			
Written report	15			

5 Groups MUST hand in a progress report by 10/13/08. This **brief** report (1 page) should outline your stance, site appropriate literature and list the contributions of each group member.

6 Topics

i) **Topic: The model of in-store clinics are increasing across the country. What are your thoughts regarding in-store clinics? Are they a threat or opportunity to our profession?**

Group #1 Perspective **FOR** in-store clinics

Group #2 Perspective **AGAINST** in-store clinics

ii) Topic: Professionalism is an important component to the practice of pharmacy, yet it is difficult to define or articulate. Can professionalism be instilled into students during the professional program?

Group # 3 Professionalism **can** be instilled into pharmacy students

Group # 4 Professionalism **cannot** be instilled into pharmacy students

iii) Topic: It has been recently reported in the literature and professional organizations that a general pharmacy residency should be required before working in patient care areas.

Group #5 A pharmacy residency **should** be required to practice pharmacy by 2020.

Group #6 A pharmacy residency **should remain optional**, and thus should not be required to practice pharmacy in patient care areas

vi) Topic: Some pharmacies are piloting telepharmacy systems that make it possible for registered pharmacy technicians to work in stores in remote or rural locations to deliver medications to customers after the prescription has been processed and adjudicated by a pharmacist working from a home or central pharmacy location.

Group #7 Telepharmacy is a wonderful opportunity for pharmacy as well as the rural communities it services and is GOOD for our profession and patients.

Group #8 Telepharmacy is **NOT** good for patient care and is a threat to our profession.

v) Topic: One of the recommendations in the IOM report *Preventing Medication Errors* centers around technology in general and specifically electronic prescribing

Group # 9 Technologies, including electronic prescribing, is feasible in ALL care settings and will reduce medication errors and therefore should be instituted.

Group# 10 E-prescribing and other technologies are NOT feasible and other strategies should be emphasized.

vi) Topic: To engage in pharmaceutical care activities, corporations must be supportive and buy into the value.

Group #11 PRO - Corporate cultures support pharmacists' involvement in progressive patient care roles.

Group #12 CON – Corporate cultures do NOT support pharmacists' involvement in progressive patient care roles.

5 Groups must be ready to present on the 1st day of presentations and will be randomly selected

6 Groups must hand in a written report (2-3 pages) as well as 3 multiple choice questions pertaining to their issue on the day of their presentation. A 10 point reduction will occur if papers and/or questions are not submitted that day.

	Monday	Tue	Wednesday	Thur	Friday	Week's Lab Assignments
AUG/ SEPT	25 Orientation/ Introduction	26	27 Overview of Pharmaceutical Care Practice	28	29 Interviewing	No Lab
	1 Labor Day - Holiday	2	3 Medical/Health History	4	5 Case Presentations – Education APPE	No Lab
	8 Data Collection	9	10 Identifying Drug Therapy Problems	11	12 Basic Physical Assessment Skills/Vial signs	Medical Interviewing Chapter 3
	15 Care Planning	16	17 Documenting	18	19 Innovative Community Practices	Vital Signs Chapters 4 and 5 Medical Interview write-up DUE
	22 Exam 1 Pharmaceutical care material	23	24– CDTA – Immunizations Lisa Barnes	25	26 Immunization Lisa Barnes	Time allocated to Interview senior for health/ medication history assignment
SEPT/ OCT	29 Immunization Sarah Miller Health/medication history due	30	1 Immunization Sarah Miller	2	3 Immunization Sarah Miller	Immunization Lab
	6 Immunization Sarah Miller	7	8 No Class in lieu of immunization exam on Friday afternoon	9	10 PA 1 HEENT Dr Adams Exam 2 Immunization exam 2-5pm	Time allocated to work on group project
	13 PA 2: HEENT part 2 Dr. Adams Progress report due	14	15 Special Issues in Pharmacy Practice Residency Information - KK	16	17 PA 3: Chest Dr. Adams	HEENT Chapters 9 and 10
	20 PA 4: Abdomen Dr. Adams	21	22 Pain Assessment/DEA LAB	23	24 PA 5: Neuro Dr. Adams	Chest/Abdomen Chapters 11,12,14,15 Vital Signs and HEENT Write-up DUE
	27 PA 6: Derm Dr. Adams	28	29 PA 7: Ortho Dr. McCue	30	31 Exam 3: PA material	Neuro/ortho Chapters 18,17 Chest and Abdomen write-up DUE
NOV	3 IPHARM Kerry Haney	4 Election Day	5 Student Presentations	6	7 Student Presentations	Lab Practical review Complete write-up – Vital signs through Neuro write-up DUE
	10 Student Presentations	11 Veterans Day – Holiday	12 Student Presentations	13	14 Student Presentations	Lab practicals
	17 Compounding Kristen Robbins	18	19 Billing for Cognitive Services- VC	20	21 Advocacy in Pharmacy Practice	Lab practicals
	24 TB Program Combined with public health	25	26 Student travel day	27	28 THANKSGIVING Holiday	No Lab
DEC	1 Hazardous waste management for	2	3 USPNF 797 & quality assurance in parenteral	4	5 Review	Lab practicals

	pharmacists – LB		practice			
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