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Fall 9-1-2008

### PHAR 557.00: Public Health in Pharmacy

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**Instructor**

Curtis Noonan, Donna G. Beall, Jean Carter, William J. Docktor, David Forbes, Kari Harris, Gayle A. Hudgins, Kendra Keeley, Ellen Leahy, and Craig A. Molgaard

## **PHAR 557 - Public Health in Pharmacy** **Fall 2008 Syllabus**

**Course Coordinator:** Curtis Noonan

**Office:** SB 173D    **Mail:** SB 395    **Phone:** 243-4957    **email:** curtis.noonan@umontana.edu

**Office hours:** Drop in Friday afternoons 1-3pm; set up appointments for other times

**Other Instructors:** Donna Beall, Jean Carter, Bill Docktor, Dave Forbes, Kari Harris, Gayle Hudgins, Kendra Keeley, Ellen Leahy, Craig Molgaard

**Class Times and Location:** Tues/Thurs at 11:10-12:00 in SB114

**Required Readings:** Reading assignments to be distributed on Blackboard.

### **Overview and Goal of the Course:**

This course is designed to introduce pharmacy students to the principles of public health practice with a focus on the Ten Essential Public Health Services. Examples of how pharmacy practice is relevant to and supports these essential public health services will be presented throughout the course. After completing this course, students should be aware of public health issues, know the various agencies and initiatives that are concerned with public health, be able to identify vulnerable populations and risks, understand how pharmacists can contribute to public health, know where to find information about a variety of public health issues, identify community leadership roles for pharmacists, and participate in a health-related community service learning project.

### **Percent of Total Points (maximum of 500 points possible)**

Case Assignments (2)	10% ( 50 pts)
Quiz (3)	15% ( 75 pts)
Midterm	30% (150 pts)
Participation, attendance, professionalism	10% ( 50 pts)*
<u>Service learning project:</u>	<u>35% (175 pts)</u>

Components of service learning project:

(Reflection papers	20 pts)
(Progress Report #1	15 pts)**
(Progress Report #2	15 pts)**
(Final written report	50 pts)**
(Project presentation #1	25 pts)**
(Project presentation #2	25 pts)**
(Project presentation #3	25 pts)**

\*Includes peer evaluation of team work on service learning project

\*\*These points are earned as a group; all other points are earned individually.

### **Case Assignments:**

There will be two case assignments during the semester. These case assignments will require integration of pharmacy practice and public health prevention principles. Case assignments must be turned in to the Blackboard site by the due date indicated in course schedule. Late assignments will receive a zero. Two of the class sessions during the semester will be devoted to discussion of the case assignments. Students must be prepared to participate in class discussion.

**Quizzes:**

Three quizzes will be administered during the semester. The questions will focus on materials covered in the course with particular emphasis on the class lectures.

**Midterm:**

There will be one in-class midterm. Questions will be a combination of multiple choice and short answer.

**Service Learning Project**

Students will be assigned to teams and each team will be assigned to a service learning project. Service learning combines practical experience and classroom learning to promote student learning and provide a needed service to the community. Projects that "need to be done" were selected for this endeavor.

Students will have an opportunity to work with individuals on campus and in the community who work to promote health and prevent disease. This is one project where the students' efforts will actually benefit members of the community.

**Service Learning Project Advisors:**

Jean Carter and Gayle Cochran will each advise three project teams.

**Activities and Assignments Related to Service Learning Projects**

Two class sessions are devoted to interim oral presentations by each group. The third and final oral presentation will take place during finals week. The groups may designate one or two presenters to represent the group but each student may not present more than once. Each group will prepare two interim reports. Instructions for the content of these interim reports will be provided. A final written report with any associated materials relevant to the group's service learning project will be due the day of final presentations. Each student will write a "reflection paper" on the service learning project experience. Finally, each student will be asked to provide evaluations of their service learning project team members.

**Course Grade:**

This course will use the traditional letter grade option without the use of pluses or minuses. Therefore, final grades will consist of the following: A, B, C, D, F. Grades will be calculated based on the standard formula (90-100% = A; 80-89% = B; 70-79% = C; 60-69% = D; 59% and below = F).

**Expectations for Student Behavior**

Students will be expected to behave in a professional manner, which means attend all lectures and behave in a professional manner during the class. Remember, talking during lectures and presentations is rude and interferes with other students' learning experience. It also sends a negative message to our guest speakers. In addition, children should **not** be brought to class unless it is an emergency. Any behavior the instructor determines is disruptive will result in the student being asked to leave class and/or a loss of points. Please clean up the classroom as you leave. Pick up garbage, such as food containers and newspapers, and throw them away.

If you need to be excused from class because of a medical or family emergency, please contact the instructor as soon as practical. If you need to be excused from all classes, contact the Lori Morin (243-4080) who is serving as the Coordinator for Student Affairs and he will notify all instructors for you. Going to work is not an acceptable excuse for missing exams.

**Academic Honesty**

For cases and assignments, students will be encouraged to work together and discuss their assignments with their classmates; however, when students write their answers, they should do so independently.

Answers should be in their own words. Simply changing a few words of someone else's work is plagiarism, which will result in failing the assignment. Late assignments will receive a reduced number of points at the discretion of the instructor. Unlike assignments, written examinations will be an individual effort. This means you do not discuss or share information with your colleagues until after all examinations are turned in.

*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://www.umt.edu/SA/VPSA/index.cfm/page/1321>.*

## Schedule of Topics, Lecturers, and Assignments for Fall 2008

Month	Day	TOPIC	LECTURER	Due Dates
Aug	26	Introduction to Course Ten Essential Public Health Services	Curtis Noonan	
	28	Introduction to Service Learning Projects	Jean Carter	
Sep	2	<b>Essential Public Health Service #1</b> Monitor health status to identify community health problems (Leading Health Indicators and Healthy People 2010)	Curtis Noonan	
	4	Pharmacy Practice and Public Health: A Vision for the Future Levels of Prevention	Dave Forbes Jean Carter	
	9	<b>Essential Public Health Service #2</b> Diagnose and investigate health problems and hazards in the community (Food-born outbreaks, emerging infectious diseases)	Curtis Noonan	
	11	Pharmaceuticals and Personal Care Products in drinking water	Curtis Noonan	
	16	Epidemiology: Pharmacoepidemiology/pharmacovigilance	Curtis Noonan	
	18	<b>Essential Public Health Service #5</b> Develop policies and plans that support individual and community health efforts	Curtis Noonan	Case #1 Meningitis
	23	Local Public Health Activities	Ellen Leahy, Missoula City/County Health Dept	
	25	Risk Management in Pharmacy Practice	Jean Carter	
	30	<b>Essential Public Health Service #4</b> Mobilize community partnerships to identify and solve health problems (Child Health Measures in Native Communities)	Curtis Noonan Jean Carter	Service Learning Interim Report #1
Oct	2	Pharmacy Practice and the role of community health centers	Kendra Keeley	
	7	Midterm	Curtis Noonan	
	9	<b>Essential Public Health Service #3</b> Inform, educate, and empower the public about health issues (Health in the popular press)	Curtis Noonan	
	14	Substance abuse, addiction, and dependence	Bill Docktor	
	16	Substance abuse, addiction, and dependence	Bill Docktor	

Month	Day	TOPIC	LECTURER	Due Dates
	21	<b>Essential Public Health Service #6</b> Enforce laws and regulations that protect health and ensure safety (EPA, FDA (Medwatch))	Curtis Noonan	Case #2 GHB
	23	Pharmacy Practice and Counterfeit medications and drug diversion Medication errors and drug shortages	Curtis Noonan	
	28	<b>Essential Public Health Service #7</b> Link people to needed personal health services and assure the provision of services that promote health when otherwise unavailable	Curtis Noonan	
	30	Service Learning Group Presentations #2: Description of Project, Methods and Plans for Data Collection	Curtis Noonan Jean Carter	Service Learning Interim Report #2
Nov	4	HOLIDAY		
	6	<b>Essential Public Health Service #8</b> Assure a competent public and personal health care workforce (MPH Program)	Craig Molgaard	
	11	HOLIDAY		
	13	Pharmacy Practice and emergency preparedness	Jean Carter	Reflection Papers on SLP
	18	Pharmacy Practice and emergency preparedness	Jean Carter	
	20	<b>Essential Public Health Service #9</b> Evaluate effectiveness, accessibility, and quality of personal and population-based health services Plus: Standard Precautions	Curtis Noonan  Sarah Miller	
	24	Tuberculosis Clinic	Donna Beall	
	25	Class on Monday 11/24		
	27	HOLIDAY		
Dec	2	<b>Essential Public Health Service #10</b> Research for new insights and innovative solutions to health problems	Curtis Noonan	Service Learning Final Written Report
	4	Pharmacy Practice and research	Kari Harris	
	8	Service Learning Group Presentations #3: Final Presentation <b>10:10 – 12:10 (SB114)</b>	Curtis Noonan Jean Carter Gayle Hudgins	