

## PHARMACY ADMINISTRATION 243 (PHAD 243)

### Pharmacy in the Health Care System

Matthew M. Murawski, R.Ph., Ph.D.

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The general purpose of PHAD 243 is to provide students with an overview of the social, economic, and political environments in which health care currently is being delivered to the American public. Anticipated changes in the health care system also are examined. Emphasis is placed on the role of pharmacists and the structure and functioning of the pharmaceutical industry. The course provides a foundation for addressing one of the Pharmacy School's Professional Outcome Abilities: "It is expected that students will analyze the impact of various social, legal, ethical and economic factors on pharmacy and the health care system and apply knowledge gained to resolve practice-related problems."

During the semester, students have the opportunity to study the economics and the organization of health care in the United States by analyzing the following: a) managed health care organizations; b) pharmaceutical manufacturers; c) patients/consumers; d) pharmacists; e) physicians and other providers; and f) governmental agencies. In addition, students are able to learn about human reactions to health problems by studying sociological/psychological concepts related to health and illness as well as factors that contribute to drug use in general. Students also are exposed to basic marketing concepts as they relate to the development, promotion, and distribution of drug products.

The overall rationale for the sequencing of the lectures across such a broad range of topics is to follow a general increase in complexity of the systems involved (not necessarily the complexity of the material) from the individual patient, to the patient/provider interface, to the regulation of practice and the profession, and finally, to national and international issues and comparisons.

**Lectures:** Three lectures each week, 4:00 - 5:30 p.m., on Monday, Wednesday, and Friday, in Wetherhall (WTHR) 200

**Course Manual:** Available at the Follett's or University Bookstores.

**Grades:** Two one-hour evening examinations (100 pts. each) and a final examination (100 pts.) are each worth 25% of the course grade. The remaining 25% (100 pts.) are assigned as follows: 25 points for written assignment and 15 points each for your 5 best quizzes (out of 6).

**Scale:**

A = 89 - 100%	(356 - 400 pts.)
B = 80 - 88%	(320 - 355 pts.)
C = 70 - 79%	(280 - 319 pts.)
D = 65 - 69%	(260 - 279 pts.)
F = Below 65%	(Below 260 pts.)

**Dishonesty:** Cheating will not be tolerated. Students found to be cheating on examinations, quizzes, or the written assignment will receive an "F" for the course and their case may be turned over to the Dean of Students Office for further action. Cheating includes, but is not limited to, copying from other students on quizzes, exams or the course written assignments or allowing others to copy from you.

## COURSE FACULTY AND GRADUATE ASSISTANTS

### Faculty:

Matthew M. Murawski, R.Ph., Ph.D. (Course Director)  
Office: Room 502C Pharmacy Bldg.  
Phone: 494-1470 (Office)  
E-mail: murawski@pharmacy.purdue.edu  
Office Hours: Open-door policy; drop-in or call 494-1470 for appointment  
(Normally available during hour following class)

Holly L. Mason, Ph.D.  
Office: Room 106B Pharmacy Bldg.  
Phone: 494-1469 (Office)  
E-mail: holly@pharmacy.purdue.edu  
Office Hours: Open-door policy; drop-in or call 494-1361 for appointment  
(Normally available during hour following class)

### Graduate Assistants: (office hours TBA)

Bindi Shah	Room 515 Pharmacy Bldg.	Ph: 496-2413
Murtuza Bharmal	Room 515 Pharmacy Bldg.	Ph: 496-2413
Sanjeev Balu	Room 515 Pharmacy Bldg.	Ph: 496-2413

### Secretary:

Kathy Dimmick  
Office: Room 502 Pharmacy Bldg.  
Phone: 494-1468 (will take messages for faculty or graduate assistants)

## PHAD 243 COURSE POLICIES AND INFORMATION

- Absences:** The instructors assume that students will be present for each class period. However, there is no attendance taken in the course. If you do miss a class it is your responsibility to obtain notes and any information on announcements presented in class from your classmates.
- Exams:** There are two evening examinations from 7-9pm and a final exam in the course. The exam room for the **evening exams** will be the same as for lecture- **WTHR 200**. The room assignment for the final will be announced in class. Each of these three exams is worth 100 points toward the final grade. These exams are non-cumulative. No make-up exams are given unless the student makes prior arrangements with Dr. Murawski, or in the case of illness the student should make contact with Dr. Murawski in advance if possible, but no later than 24 hours after the scheduled examination time.
- Quizzes:** Each of six quizzes is worth 15 points. Each student gets to drop the lowest quiz score, resulting in a total possible quiz score of 75 points. **No make-up quizzes are given.** If a student is absent for a quiz (for any reason) that quiz will be the one that is dropped. In general, quizzes cover the material since the previous quiz (non-cumulative).
- Written Assignment:** There is one written assignment for this course worth 25 points toward the final grade. The instructions for this assignment are on one of the following pages. Please pay close attention to the directions provided along with this assignment.
- Grades:** Following each examination and prior to the final, student grades will be posted (using the last 6 digits of the student's ID number) outside Room 502 in the Pharmacy Building. A copy of the score sheet key will be posted and copies of student score sheets will be available for pickup and comparison with the exam score key. Students who wish to review the written copy of the exam key may do so by contacting Kathy Dimmick in Room 502. Quiz keys will be posted on the class web-page the day of the quiz and the answers will be briefly reviewed.
- Audiotapes:** PHAD 243 lectures are audiotaped and available in the Hicks Undergraduate Library as indicated on one of the following pages. Students should not use the audiotapes as a substitute for attending lecture since the overheads shown in lecture are not available with the tapes.
- Advice on Studying:** It is important to have good notes in this course. The lecture content is stressed heavily in the examinations, although some questions do come from the readings in the course manual. Students are advised to focus on the listed lecture objectives when studying for exams. If students can "do" the things that the objectives ask them to be able to do, they will have little difficulty on the exams. Each exam question is reviewed by the instructors to make sure it relates to one or more of the lecture objectives.
- Questions & Assistance:** If you have questions about the course material you are urged to contact any of the graduate teaching assistants or Dr. Murawski. You are also urged to ask questions in class. The graduate teaching assistants will have posted office hours and Dr. Murawski has an open-door policy. Each of the graduate assistants has a degree in pharmacy and all are working toward Ph.D. degrees in pharmacy administration. If you would like to make a specific appointment, contact Dr. Murawski or Kathy Dimmick (Room 502) at the phone numbers indicated in this syllabus. Dr. Murawski will be glad to answer student questions about the course or course material via e-mail as well.
- Special Needs:** If you have special needs or circumstances related to this course, please make an appointment to see Dr. Murawski to discuss your situation.

<b>LEC</b>	<b>DAY/DATE</b>	<b>INSTRUC</b>	<b>TOPIC</b> <b>(Bring lecture outlines to class)</b>	<b>READING</b> <b>PAGES</b>
1	Mon. 8/20	MMM*	First Class - Introduction	
2	Wed. 8/22	MMM	Evolution of Health Care Delivery	
3	Fri. 8/24	MMM	Organization of Health Care Delivery	
4	Mon. 8/27	MMM	The Changing Health Care Environment	
5	Wed. 8/29	MMM	The Changing Health Environment	
6	Fri. 8/31	MMM	The Changing Health Care Environment	<b><u>QUIZ #1</u></b>
7	Mon. 9/3		Holiday	
8	Wed. 9/5	MMM	Health Beliefs and Behavior	
9	Fri. 9/7	MMM	Quackery	
10	Mon. 9/10	MMM	Illness, Disease, and Health	
11	Wed. 9/12	HLM	Health of the Nation 1	
12	Fri. 9/14	HLM	Health of the Nation 2	
13	Mon. 9/17	HLM	Manpower in Pharmacy	<b><u>QUIZ#2</u></b>
14	Wed. 9/19	HLM	Manpower in Pharmacy	
15	Fri. 9/21	HLM	Health Care Providers and Collaborative Prescribing	
16	Mon. 9/24	<b><u>EXAM#1</u></b>	Lecture dropped. Voluntary Q & A during regular class hour session for <b>EXAM#1 7-9pm. WETHERALL 200</b>	
17	Wed. 9/26	HLM	The Mission of Pharmacy, Practice Roles, and Career Paths	
18	Fri. 9/28	HLM	Pharmacy Technicians & Practice Regulation	
19	Mon. 10/1	MMM	Drug Use Process	
20	Wed. 10/3	MMM	Drug Use Process	
21	Fri. 10/5	MMM	Drug Use Process	
22	Mon. 10/8		Fall Break - <b>No Class</b>	
23	Wed. 10/10	MMM	Drug Use Process	
24	Fri. 10/12	MMM	Government Involvement in Health Care	
25	Mon. 10/15	MMM	Origin and Functions of the FDA	
26	Wed. 10/17	MMM	FDA Drug Approval Process	
27	Fri. 10/19	MMM	FDA Drug Approval Process	
28	Mon. 10/22	MMM	Parents; Pharmaceutical Marketing & Promotion of Pharmaceuticals	

29	Wed. 10/24	MMM	Health Care Expenditures	
30	Fri. 10/26	MMM	Health Care Expenditures Unique Aspects of Health Economics	
31	Mon. 10/29	MMM	Unique Aspects of Health Economics	
32	Wed. 10/31	<b><u>EXAM #2</u></b>	Lecture dropped. Voluntary Q & A Session during regular class hour for <b>EXAM #2 7-9pm, Wetherhall 200</b>	
33	Fri. 11/2	HLM	<b><i>Pharmacy Admissions Information</i></b>	
34	Mon. 11/5	MMM	Open Session	
35	Wed. 11/7	MMM	Introduction to Health Insurance	
36	Fri. 11/9	MMM	Health Insurance II	
37	Mon. 11/12	MMM	Health Insurance III	
38	Wed. 11/14	MMM	Managed Care I	
39	Fri. 11/16	MMM	Managed Care II	
40	Mon. 11/19	MMM	Managed Care III	
41	Wed. 11/21		HOLIDAY	
42	Fri. 11/23		HOLIDAY	
43	Mon. 11/26	MMM	Managed Care PHARMACY I	
44	Wed. 11/28	MMM	Managed Care PHARMACY II	
45	Fri. 11/30	MMM	Impact of Third Parties on Pharmacy Practice I	
46	Mon. 12/3	MMM	Impact of Third Parties on Pharmacy Practice II	
47	Wed. 12/5	MMM	Pharmacy & The Internet I	
48	Fri. 12/7 Last Class	MMM	<b><i>Pharmacy &amp; The Internet II Questions for Final and Course Feedback</i></b>	
	12/10		FINALS WEEK	

\* MMM = Matthew M. Murawski, R.Ph., Ph.D.

\* HLM = Holly L. Mason, Ph.D.

### TEXTBOOKS RELATED TO PHAD 243 COURSE MATERIAL\*

Pharmacy and the U.S. Health Care System (362.1780973 P4946)

Pharmacy, Drugs and Medical Care (615.10973 Sm62p)

Pharmacy Practice: Social and Behavioral Aspects (362.10425 W498p)

Principles of Pharmacoeconomics (338.4361558 P935)

Social and Behavioral Aspects of Pharmaceutical Care (362.1782 So125)

Introduction to Health Care Delivery

\* These books are available in the Pharmacy Library. Each includes some of the content that is covered in PHAD 243. You may find them useful as extra readings, but they are certainly not required. They are on reserve and may be requested at the library desk. If you have time to explore the Internet, there are also a number of web sites that have health care system-related material.