

**The University of Findlay
College of Health Professions**

*The Mission of the University is to equip our students
for meaningful lives and productive careers.*

Course Number/Title: PHAR 311 Introduction to Pharmacy 1

Credit Hours: 3

Class Time/Place:

Prerequisites: Admission to the School of Pharmacy

Instructor: TBA

Office Hours:

Course Description This course will introduce the student to modern pharmacy practice. Topics covered include pharmacy calculation, the role of the pharmacist in the American Health Care System, medical terminology and the beginnings of absorption, distribution, metabolism and excretion of drugs. Students will be expected to obtain 50 hours of experience with a non-pharmacist health care provider (e.g. physician, dentist, nurse, etc.) to expand their knowledge of the existing health care system. The course will also help the student to develop a plan of study to guide the selection of electives and rotations in pharmacy.

Relationship to the Conceptual Framework The course will begin the process of professionalization of the student. Also, it provides a first step into the pharmaceutical sciences. This fits well with the conceptual framework of the curriculum.

Course Objectives The successful student will be able to:

1. Use medical terminology to describe patient situations when given a description of the situation from the patient's perspective
2. Translate a patient description from medical terminology to plain English.
3. Discuss general chart/record components.
4. Identify Top 200 drugs by Brand or Generic name and therapeutic category.
5. Solve the basic mathematics problems of pharmacy, including percentage strength, milliequivalents, buffers, isotonicity, millimoles, sensitivity, concentration, dosage, infusion rates, body surface area, and milliosmoles.

Course Objectives

6. Identify the role of the pharmacy profession within the health care system.
7. Discuss general mechanisms of drug absorption, distribution, metabolism and excretion.
8. Identify the introductory rotations to be completed under the direction of a health professional and obtain permission for those rotations to be counted.

9. Describe the process of passing from health to illness
10. Formulate a plan for personal and professional career development.
11. Describe the advantages of becoming involved in professional organizations and activities through membership and service.
12. Describe the essence of good citizenship and advocacy, including participation in community and human service organizations and activities.

General Education Learning Outcomes Addressed [check all that apply]

Goal 1. Students will take courses which expose them to a range of basic religious beliefs and diverse ethical perspectives and which encourage them to develop their own perspectives on global issues.	
Goal 2. Students will become familiar with the historical, scientific, literary, and/or philosophical content of a range of disciplines.	
Goal 3. Students will acquire and practice skills for reading, writing, speaking, listening, abstract inquiry, critical thinking, logical reasoning, and using computers and related technology.	
Goal 4. Students will develop an appreciation for and means of analyzing art, literature, music, communication, science, and/or theatre.	
Goal 5. Throughout their general education experience, students will analyze and reflect upon the challenges facing our global society as well as the importance of being a life-long learner and responsible citizen.	

Required Textbooks and other materials

Pharmaceutical Calculations by Mitchell J. Stoklosa and Howard C. Ansel, Lippincott, Williams and Wilkins, 11th Edition, 2001.

Drug Information: A Guide for Pharmacists, by Malone, Mosdell, Kier & Stanovich, Appleton & Lange, 2nd Edition, 2001.

Social and Behavioral Aspects of Pharmaceutical Care by Smith & Wertheimer, Haworth Press, 1996.

Remington: The Science and Practice of Pharmacy, 20th ed.

Pharmaceutical Dosage Forms and Drug Delivery, 7th ed. by Howard Ansel *et al.*

Knowledge Base<http://www.rxlist.com/top200.htm>

Various sources for pharmacy, such as Facts and Comparisons, Martindale's Extra Pharmacopeia and Remington's Practice of Pharmacy

Instructional Strategies [strategies that might be utilized-check all that apply]

Case Analysis		Library and Internet Research	x
Debate		Practice/drill	x
Discovery/Independent Research		Problem solving	x
Discussion/Questioning/Interviewing	x	Reading assignments	x
Experiential Learning	x	Role playing/simulation games	
Field Experience		Service Learning	
Group Presentation		Video/Audio Review and Critique	
Laboratory Experiences		Other	
Lecture	x		

Methods of Assessment [check all that apply]

Abstracts		Participation	
Attendance	x	Peer Evaluation	
Capstone Project		Portfolio	
Case Study		Portfolio Lab Performance	
Exams	x	Presentations	
Group Projects		Professional Evaluation	
Homework Assignments	x	Quizzes	x
Internet Research	x	Research project	
Journaling		Other	
Lab Performance			
Oral/written review of literature	x		

Grading

Midterm 20%
 Final Exam 30%
 Homework Assignments 10%
 Math Quizzes 15%
 Drug Quizzes 25%

Grading Scale/Distribution

A 90-100
 B 80-89
 C 70-79
 D 60-69
 F 0-59

Honor Code

I will not knowingly engage in any dishonorable behavior, cheat, steal, lie or commit any act of plagiarism during my academic work, course, or endeavor. If I observe an act which I believe violates the University's Honor Code, I may, in my discretion, report it to the appropriate personnel.

Course Policies and Practices

Students are expected to attend every class and be active participants in class discussions, groups, and presentations. In addition, it is expected that all assignments will be turned in on the identified due date unless prior arrangements are made with the professor.

Final Exam Date

Final Exam date:

Special Services

If you are a student with a disability, it is your responsibility to register with the Office of Disability Service and notify your instructor one week prior to any needed service so that reasonable accommodations can be made for you.

Course and Instructor Evaluation

Additional Information

Tentative Course Outline (Course outline is subject to change throughout the semester)

[date]	[assignment/class content]	[readings]	[final exam]	[other]
9 Lectures	Health Care Systems and the Pharmacist's Role		One Exam	
10 Lecture	Pharmacy Calculations		Five quizzes	
3 Lecture	Medical Terminology			
1 Lecture	Health and Illness			
18 Lectures	Absorption, Distribution, Metabolism and Excretion of Drugs		Two exams	
4 Quizzes	Drug Quizzes		Four quizzes	

Course/College Specific Information