



## PHAR 1220

**Division:** Career and Technical Education

**Department:** Allied Health

**Course:** PHAR 1220

**Title:** Pharmacology for Pharmacy Technicians II

**Catalog Description:**

This course discusses the nature of drugs, drug absorption, and patient variables that affect drug therapy. This course follows PHAR1210. It enhances understanding of the following areas: respiratory drugs, gastrointestinal drugs, urinary system drugs, cardiovascular drugs, muscle relaxants, and non-narcotic analgesic agents, hormones, topicals, ophthalmics, otics, recontinant drugs and chemotherapy, vitamins, nutritional supplements, herbs, and antidotes.

**General Education Requirements:** N/A

**Semesters Offered:** TBA

**Credit/Time Requirement:** Credit: 4; Lecture: 4; Lab: 0

**Clock/Hour Requirements:** 60

**Offered for Non-Credit:** Yes

**Prerequisites:** PHAR 1210

**Corequisites:** N/A

**Justification:**

This course provides instruction necessary to prepare students to pass state and national certification exams. This course follows the state board guidelines in content and in required hours of instruction. This course was recommended by the Allied Health advisory committee and approved to be taught by the State Pharmacy Board in August 1997.

**Student Learning Outcomes:**

Upon successful completion of this course, students will be able to:

- define drugs: how, where, and why they work
- know therapeutic effects, side effects, and administration routes.

**Content:**

Course objectives will be accomplished by providing students with learning experiences in the following subject areas:

- antifungals/antivirals
- decongestants/antihistamines/antitussives/expectorants
- anesthetics, analgesics, and narcotics
- antidepressants, antipsychotics, antianxiety agents
- anticonvulsants and drugs to treat other central nervous system (CNS) disorders
- over the counter medications, non-prescription products including, but not limited to, cough and cold, nutritional, analgesics, allergy, diabetic testing supplies, first aid, ophthalmic, family planning, foot, feminine hygiene, gastrointestinal preparations, and pharmacy care over the counter drugs.

### **General Education Outcomes:**

- 1) Read effectively, constructively, and critically.

Students acquire key information from the written text. Exercises in an accompanying workbook will assess student understanding of the concepts covered in the written materials.

- 4) Retrieve, evaluate, interpret, and deliver information through a variety of traditional and electronic media.

Students acquire a basic understanding of medications, drug therapy, drug interactions, and therapeutics. Exercises in an accompanying workbook and prescription data entry will assess the student understanding of the concepts covered in the materials.

### **Applied Education Outcomes:**

- 1) Students will acquire entry-level skills specific to and appropriate for employment in their chosen field of study.

Students will learn through theory and practical application the nature of drugs, drug absorption, and patient variables that affect drug therapy.

- 2) Students will become aware of industry specific certification and develop skills sufficient to acquire the same.

Students will become aware of the specific theory and skills needed for the National Pharmacy Technician Certification Exam.

- 3) Students will demonstrate safe practices and awareness of potential hazards in their field of expertise.

Students will learn through theory and practical application the need for safety in dispensing medications.

- 4) Students will demonstrate interpersonal skills specific to the skills and environment inherent in their field.

Students will learn communication and interpersonal skills needed for the pharmacy technician.

Student Learning Outcomes will be assessed by two or more of the following Key Performance Indicators:

- written exams
- quizzes
- assignments
- successful passing of the state and national certification exams.

**Representative Text and/or Supplies:**

- *Pharmacology for Technicians*, current edition, Ballington and Laughlin.
- *Pharmacology for Technicians Workbook*, current edition, Ballington and Laughlin.

**Optimum Class Size:** 10

**Maximum Class Size:** 15

**Signatures:**

I hereby submit this course syllabus:

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Amber Epling, MSN, Associate Professor

I hereby find this course consistent with the goals and resources of the Allied Health Department:

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Amber Epling, MSN, Associate Professor, Chair

I hereby find this course consistent with the goals and resources of the Career and Technical Education Division:

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Michael P. Medley, MBA, Assistant Professor, Dean

I have discussed the need for library resources related to this class with the person submitting the syllabus:

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Lynn Anderson, MLIS, Technical Services Librarian (Main Campus)

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Michelle Olsen, MLS, Campus Librarian (Richfield Campus)