



PHAR 1020

Division: Career and Technical Education

Department: Allied Health

Course: PHAR 1020

Title: Pharmacy Practice

Catalog Description:

This course reviews packaging, preservation, and storage of compounded drugs. Coated tablets, solutions, and suspensions are examined. Sterile procedures with vials and intravenous (IV) bottles and bags are explained. Students will have hands-on experience with a computerized system for dispensing prescriptions and preparing third party pay documents.

General Education Requirements: N/A

Semesters Offered: TBA

Credit/Time Requirement: Credit: 3; Lecture: 2; Lab: 2

Clock/Hour Requirements: 60

Offered for Non-Credit: Yes

Prerequisites: PHAR 1010

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 should:

- be familiar with the expanding role of pharmacy technicians
- understand the responsibilities associated with delivering safe and effective pharmacy products and services
- be able to counsel clients concerning over the counter products.

Content:

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

- aseptic techniques
- compounding dosages
- packaging
- storage
- patient profiles
- third-party billings
- invoices
- preservation
- solutions
- suspension
- computer application:
 - prescriptions
 - patient profiles
 - third-party billings
 - invoices
- history of pharmacy practice
- obtaining patient history
- proper counseling techniques toward over the counter medications.

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 learn to access pharmacy software, literature, and interpret data through the utilization of pharmacy specific programs and literature.

5) Apply a cultural and historical awareness to a variety of phenomena.

Students will become familiar with the history of pharmacy as it relates to modern pharmacy practice and techniques.

6) Apply computational skills to a variety of contexts.

Students must compute using ratios, percents, proportions, conversion of household and metric pharmacy measurements, preparation of pharmaceutical solutions, conversions of temperatures, intravenous solutions, pharmacy business math, and the apothecary system.

8) Apply ethical reasoning to a variety of contexts.

Students acquire key information for the development of high ethical standards as it pertains to the pharmacy professional.

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 packaging, preservation, and storage of compounded drugs. Coated tablets, solutions, and suspensions are examined.

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

Students will become aware of the specific skills and theory 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.

Key Performance Indicators:

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:

- Brady, *The Pharmacy Technician*, current edition, Morton Publishing (text and workbook).
- Baxter, *Training Manual for Intravenous Admixture Personnel*, current edition, Baxter Healthcare Corporation, Precept Press (co-publisher).

Optimum Class Size: 10

Maximum Class Size: 15

Signatures:

I hereby submit this course syllabus:

Amber Epling, MSN, Associate Professor

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

Amber Epling, MSN, Associate Professor, Chair

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

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:

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

Michelle Olsen, MLS, Campus Librarian (Richfield Campus)