### PHARM 150 Course Outline as of Spring 2007

# CATALOG INFORMATION

Dept and Nbr: PHARM 150       Title: INTRO TO PHARMACY TECH
Full Title: Introduction to Pharmacy Technician
Last Reviewed: 1/23/2023

| Units | | Course Hours per Week | | Nbr of Weeks | Course Hours Total | |
|---|---|---|---|---|---|---|
| Maximum | 3.00 | Lecture Scheduled | 3.00 | 17.5 | Lecture Scheduled | 52.50 |
| Minimum | 3.00 | Lab Scheduled | 0 | 8 | Lab Scheduled | 0 |
| | | Contact DHR | 0 | | Contact DHR | 0 |
| | | Contact Total | 3.00 | | Contact Total | 52.50 |
| | | Non-contact DHR | 0 | | Non-contact DHR | 0 |

Total Out of Class Hours: 105.00          Total Student Learning Hours: 157.50

Title 5 Category:  AA Degree Applicable
Grading:              Grade Only
Repeatability:      00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:
Formerly:

**Catalog Description:**
An introduction to the role and working environment of the pharmacy technician, in both inpatient and outpatient settings. In addition to the legal responsibilities, technical activities and common medications encountered, the pharmacy technician student will identify and interpret common prescriptions and conduct necessary pharmaceutical mathematics.

**Prerequisites/Corequisites:**


**Recommended Preparation:**
Eligibility for ENGL 100 or ESL 100

**Limits on Enrollment:**


**Schedule of Classes Information:**
Description: An introduction to the role and working environment of the pharmacy technician, in both inpatient and outpatient settings. In addition to the legal responsibilities, technical activities and common medications encountered, the pharmacy technician student will identify and interpret common prescriptions and conduct necessary pharmaceutical mathematics. (Grade Only)

Prerequisites/Corequisites:
Recommended: Eligibility for ENGL 100 or ESL 100
Limits on Enrollment:
Transfer Credit:
Repeatability: Two Repeats if Grade was D, F, NC, or NP

## ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

| | | | |
|---|---|---|---|
| **AS Degree:** | **Area** | Effective: | Inactive: |
| **CSU GE:** | **Transfer Area** | Effective: | Inactive: |
| **IGETC:** | **Transfer Area** | Effective: | Inactive: |
| **CSU Transfer:** | Effective: | Inactive: | |
| **UC Transfer:** | Effective: | Inactive: | |

**CID:**

**Certificate/Major Applicable:**
Certificate Applicable Course

## COURSE CONTENT

**Outcomes and Objectives:**
Upon completion of this course students will be able to:
1.  State all of the technician's primary job responsibilities describe the duties under each and explain how they differ from the responsibilities of the pharmacist and other pharmacy personnel.
2.  Define and understand decisions requiring professional judgment and give examples.
3.  State the general requirements of any local, state or federal regulations whish specifically affect the responsibility of the pharmacy technician.
4.  Identify the organizational structure of inpatient and outpatient pharmacies and the general responsibilities and job status of personnel with whom the pharmacy technician will have contact.
5.  Describe the major hospital departments and service units.
6.  State the reasons for initiation of a disciplinary action for a pharmacy.
7.  Recite or list from memory and correctly apply pharmaceutical and medical terminology, abbreviations and symbols commonly used in the prescribing, dispensing and charting of medications in the pharmacy.
8.  Differentiate between the chemical, generic, trade, and official names of drugs.
9.  Locate and use drug references.
10. State valid reasons for maintaining confidentiality of all patient information.
11. Describe the values, ethics, themes, methods and history of the pharmacy discipline.
12. Identify realistic career objectives related to the course of study

in the major.

13. Perform research specific to the discipline and use appropriate citations.

**Topics and Scope:**

1. Introduction to the role of Pharmacy Technician
   A. Definition of pharmacy, registered pharmacist and pharmacy technician
   B. Duties and education requirements of a registered pharmacist
   C. Duties and education requirements of a pharmacy technician
   D. Relationships between other personnel (cashier, ancillary, management, pharmacists, wholesalers) and the pharmacy technician.
   E. Qualification for registration of a pharmacy technician
   F. Education and Licensing requirements.
2. Pharmaceutical/Pharmacy Technician governing bodies and organizations
   A. Federal (FDA Food and Drug Administration, DEA Drug Enforcement Agency, OSHA Occupational Safety and Health Administration, JCAHO Joint Commission Accreditation Healthcare Organization, ASHP American Society of Hospital Systems Pharmacists, APhA American Pharmacist Association, DPS Diversified Prescription Systems)
   B. State (California State Board of Pharmacy, CPhA California Pharmacist Association, CPhTA California Pharmacy Technician Association)
   C. Local (County organizations)
3. Ethical rules for pharmacists and pharmacy technicians
4. General Conduct and Disciplinary Action
   A. Communication
   B. Professional attitude
   C. Dress code
   D. Disciplinary action
      1. State
      2. Institution
5. Pharmacy terminology and abbreviations
   A. Medical terminology
      1. Prefixes and suffixes
      2. Nomenclature
   B. Pharmaceutical terminology
   C. Pharmaceutical abbreviations
      1. Routes of administration
      2. Scheduled times of administration
      3. Pharmaceutical dosage forms
      4. Miscellaneous pharmaceutical abbreviations
      5. Miscellaneous drug abbreviations
      6. Common chemical and chemical compound abbreviations
      7. Common vitamin abbreviations
      8. Application of pharmaceutical abbreviations
   D. Medical abbreviations
   E. Naming of drugs

1. Chemical name
2. Generic name
3. Trade name
4. Official name
5. Combination drugs
6. Drug references
7. Organizational structure
   A. Hospital governing structure
   B. Inpatient pharmacy organization and personnel
   C. Hospital personnel
   D. Outpatient pharmacy organization and personnel

Orientation to the values, themes, methods, and history of the discipline and identification of realistic career objectives related to a course of study in the major.

Introduction to discipline-specific research tools, including seminal books, important periodicals, major indexing sources, professional or trade organizations, standard referencing tools, discipline specific tasks, and major web sites.

## Assignment:

1. Read and review assigned text pages, approximately 34 pages per week, online lectures and workbook.
2. Six quizzes, one midterm, one final.
3. Eight one-page writing assignments, answering case scenario questions.

## Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

| Written homework, Writing assignments and case scenarios | Writing 35 - 45% |
|---|---|

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

| None | Problem solving 0 - 0% |
|---|---|

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

| None | Skill Demonstrations 0 - 0% |
|---|---|

**Exams:** All forms of formal testing, other than skill performance exams.

| Multiple choice, Quizzes, midterm, and final | Exams 50 - 60% |
|---|---|

**Other:** Includes any assessment tools that do not logically fit into the above categories.

| Participation | | Other Category<br>5 - 10% |
|---|---|---|

**Representative Textbooks and Materials:**
REQUIRED TEXT: Ballinger, Don. Pharmacy Practice for Technicians (text and workbook), 2nd ed. 2003.
Instructor-prepared materials.