



Pharmacy Technician – Course Syllabus

Description:

This course prepares students for employment in the pharmacy technician field. Through direct instruction, interactive skills demonstrations, and practice assignments, students learn the basics of pharmacy assisting, including various pharmacy calculations and measurements, pharmacy law, pharmacology, medical terminology and abbreviations, medicinal drugs, sterile techniques, USP 795 and 797 standards, maintenance of inventory, patient record systems, data processing automation in the pharmacy, and employability skills. Successful completion of this course prepares the student for national certification for employment as a Certified Pharmacy Technician (CPhT).

Textbook: The Pharmacy Technician, 4th Ed. – Moini – ISBN-13: 978-0357371350

Course objectives:

Throughout the course, you will meet the following goals:

- Describe the role of the Pharmacy Technician.
- Identify key aspects of the pharmacy environment.
- List and describe body systems and the drugs used to treat illnesses.
- Explain how to classify various drugs.
- Understand how pharmacy laws impact pharmacy work.
- Know how to interpret and process prescriptions.
- Perform pharmacy calculations related to measurements, dilutions, dosages, and conversions.
- Analyze inventory management systems, and know how to maintain patient records.

Contents:

Ch 1: History of Pharmacy
Ch 2: The Foundation of Pharmaceutical Care
Ch 3: Pharmacy Laws, Ethics, and Regulatory Agencies
Ch 4: Communication with Patients and Customers
Ch 5: Pharmaceutical Information and References
Ch 6: Prescriptions and Processing
Ch 7: Dosage Forms and Routes of Administration
Ch 8: Measurement Systems
Ch 9: Conversion and Calculations
Ch 10: Safety in the Workplace
Ch 11: Hospital Pharmacy
Ch 12: Community Pharmacy
Ch 13: Advanced Pharmacy
Ch 14: Extemporaneous Prescription Compounding

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- Ch 15: Aseptic Technique and Sterile Compounding
- Ch 16: Insurance and Billing
- Ch 17: Inventory Control and Management
- Ch 18: Medication Errors and Safety
- Ch 19: Drug Actions and Interactions
- Ch 20: Therapeutic Drugs for the Nervous System
- Ch 21: Therapeutic Drugs for the Musculoskeletal System
- Ch 22: Therapeutic Drugs for the Endocrine System
- Ch 23: Therapeutic Drugs for the Cardiovascular System
- Ch 24: Therapeutic Drugs for the Immune System
- Ch 25: Therapeutic Drugs for the Respiratory System
- Ch 26: Therapeutic Drugs for the Urinary System
- Ch 27: Therapeutic Drugs for the Digestive System
- Ch 28: Therapeutic Drugs for the Reproductive System
- Ch 29: Therapeutic Drugs for the Eyes, Ears, and Nose
- Ch 30: Therapeutic Drugs for the Integumentary System
- Ch 31: Complementary and Alternative Medicine

Grading Scale

- A = 95-100%**
- B = 88-94.9%**
- C = 80-87.9%**
- D = 70-79.9%**
- F = Below 70**

Grade Weighting

Quizzes	70%
<u>Final Exam</u>	<u>30%</u>
	100%