

PHM-2701: CURRENT TOPICS IN PHARMACY PRACTICE

Cuyahoga Community College

Viewing: PHM-2701 : Current Topics in Pharmacy Practice

Board of Trustees:

March 2020

Academic Term:

Spring 2021

Subject Code

PHM - Pharmacy Technology

Course Number:

2701

Title:

Current Topics in Pharmacy Practice

Catalog Description:

Capstone course in Pharmacy Technology. Current topics and changes in practice of pharmacy detailed. Among topics discussed: major trends, issues, and initiatives in pharmacy and healthcare; evolving roles of pharmacists and pharmacy technicians and the interpersonal knowledge and skills required in the pharmacy environment; medication safety practices; current health issues facing men, women, and children of diverse cultures; emerging therapies and the drug approval process; and wellness promotion.

Credit Hour(s):

4

Lecture Hour(s):

4

Requisites

Prerequisite and Corequisite

PHM-1350 Pharmacy Practice I or concurrent enrollment; and PHM-1360 Pharmacy Practice II; and PHM-1860 Pharmacy Technology Practicum I or concurrent enrollment; and departmental approval.

Outcomes

Course Outcome(s):

Demonstrate personal and interpersonal knowledge and skills appropriate for a pharmacy technician.

Essential Learning Outcome Mapping:

Not Applicable: No Essential Learning Outcomes mapped. This course does not require application-level assignments that demonstrate mastery in any of the Essential Learning Outcomes.

Objective(s):

1. Present an image appropriate for the profession of pharmacy in appearance and behavior.
2. Discuss current information on natural products and how technicians can impact consumer awareness of these compounds.
3. Communicate clearly when speaking and in writing.
4. Demonstrate a respectful attitude when interacting with diverse patient populations.
5. Apply interpersonal skills, including negotiation skills, conflict resolution, and teamwork.
6. Discuss the most recent medications approved by the FDA, their uses, brand and generic names, strengths, and dosage forms as well as the use of current resources for comparison of brand and generic drugs.
7. Discuss the roles of the pharmacist and the pharmacy technician and how these roles are changing.
8. Discuss in general the drugs of abuse and measures that can be taken to confront the problem.
9. Describe various biotechnological breakthroughs and discuss how they have impacted the practice of pharmacy.

Course Outcome(s):

Assist pharmacists in medication therapy management.

Objective(s):

1. Explain pharmacist and pharmacy technician roles in medication management services.
 2. Discuss the roles of the pharmacist and the pharmacy technician and how these roles are changing.
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Course Outcome(s):

Demonstrate understanding of healthcare occupations and the health care delivery system.

Objective(s):

1. Describe the history of AIDS and other communicable diseases, their spread and their control.
 2. Discuss the FDA drug approval process.
 3. Discuss the roles of the pharmacist and the pharmacy technician and how these roles are changing.
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Course Outcome(s):

Demonstrate understanding of wellness promotion and disease prevention concepts, such as use of health screenings; health practices and environmental factors that impact health; and adverse effects of alcohol, tobacco, and legal and illegal drugs.

Objective(s):

1. Describe the history of AIDS and other communicable diseases, their spread and their control.
 2. Discuss current information on natural products and how technicians can impact consumer awareness of these compounds.
 3. Discuss in general the drugs of abuse and measures that can be taken to confront the problem.
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Course Outcome(s):

Demonstrate understanding of the pharmacy technician's role in the medication-use process.

Objective(s):

1. Discuss the various safety considerations which must be addressed in the practice of pharmacy.
 2. Discuss current information on natural products and how technicians can impact consumer awareness of these compounds.
 3. Discuss the roles of the pharmacist and the pharmacy technician and how these roles are changing.
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Course Outcome(s):

Demonstrate understanding of non-traditional roles of pharmacy technicians.

Objective(s):

1. Explain the pharmacy technician's role in the medication-use process.
 2. Describe the role of the pharmacy technician in the patient care process.
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Course Outcome(s):

Identify and describe emerging therapies.

Objective(s):

1. Discuss the FDA drug approval process.
 2. Discuss the most recent medications approved by the FDA, their uses, brand and generic names, strengths, and dosage forms as well as the use of current resources for comparison of brand and generic drugs.
 3. Describe various biotechnological breakthroughs and discuss how they have impacted the practice of pharmacy.
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Course Outcome(s):

Assist pharmacists in preparing, storing, and distributing medication products requiring special handling and documentation [(e.g., controlled substances, immunizations, chemotherapy, investigational drugs, drugs with mandated Risk Evaluation and Mitigation Strategies (REMS)].

Objective(s):

1. Apply the appropriate medication use process to investigational drugs, medications being used in off-label indications, and emerging drug therapies as required.
2. Explain accepted procedures in delivery and documentation of immunizations.

Course Outcome(s):

Assist pharmacists in the monitoring of medication therapy.

Objective(s):

1. Discuss the pharmacy technician's role in medication therapy management and monitoring.
2. Act in accordance with state laws and regulations regarding technician's role in monitoring of medication therapy.
3. Explain the purpose of monitoring a patient's medication therapy.

Course Outcome(s):

Apply patient- and medication-safety practices in all aspects of the pharmacy technician's roles.

Objective(s):

1. Discuss the various safety considerations which must be addressed in the practice of pharmacy.
2. Discuss the impact of medication errors on the consumer and ways to reduce these errors.
3. Discuss in general the drugs of abuse and measures that can be taken to confront the problem.

Methods of Evaluation:

1. Written assignments
2. Oral presentations
3. Research reports
4. Written examinations

Course Content Outline:

1. Presenting an appropriate image for pharmacy in the current healthcare environment
 - a. Appropriate work attire for pharmacy technicians
 - b. Importance of personal hygiene in technicians work
2. Interpersonal knowledge and skills for communication, teamwork, and problem-solving
 - a. Situations that may challenge self-control in technicians work
 - b. Techniques for maintaining self-control in challenging situations
 - c. Effective conflict management skills, including negotiating skills
 - d. Differentiating professional and informal communication
 - e. Interpersonal skills needed to work effectively with health care teams
3. Current health issues affecting men, women, and children in diverse cultures and respect for diverse patient populations
 - a. Types of patients who require special communication strategies
 - i. Vision or hearing problems
 - ii. Low reading level
 - iii. Difficulty understanding instructions
 - b. Communicating effectively with patients who are non-English speakers or who have other special needs
 - i. Vision or hearing problems
 - ii. Low reading level
 - iii. Difficulty understanding instructions
 - c. Types of diverse populations
 - i. Culture
 - ii. Religion
 - iii. Race
 - iv. Age
 - v. Gender
 - vi. Sexual orientation
 - vii. Transgender
 - viii. Disability
 - ix. Economic status
 - d. Importance of demonstrating a respectful attitude when interacting with diverse patient populations
4. Uses and implications of emerging therapies
 - a. FDA drug approval process
 - b. Biotechnology
 - c. Herbal products and dietary supplements

5. Safety considerations and medication error prevention
 - a. Medication therapy management
 - b. Medication therapy monitoring
6. Wellness promotion and disease prevention concepts
 - a. Consumer awareness
 - b. Adverse effects of alcohol, tobacco, and legal and illegal drugs
7. Pharmacy personnel roles when responding to emergency situations
 - a. Skills required for effective emergency preparedness
 - b. Emergency drug boxes/carts

Resources

Bachenheimer, Bonnie S. *Manual for Pharmacy Technicians*. 5e. Bethesda, MD: American Society of Health System Pharmacists, 2019.

Peshek, Stephanie C. *Professional Skills for the Pharmacy Technician*. 1. Burlington, MA: Jones Bartlett Learning, 2017.

(various). "(various:" 82.

Resources Other

1. Various topical journal articles.

Instructional Services

OAN Number:

CTAN Approved: Career Technical Assurance Guide CTPT002 (2 of 2 courses, both must be taken)

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