

# PHM-2870: PHARMACY TECHNOLOGY PRACTICUM III

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## Cuyahoga Community College

### Viewing: PHM-2870 : Pharmacy Technology Practicum III

**Board of Trustees:**

March 2020

**Academic Term:**

Fall 2020

**Subject Code**

PHM - Pharmacy Technology

**Course Number:**

2870

**Title:**

Pharmacy Technology Practicum III

**Catalog Description:**

For students pursuing experience in IV admixture, sterile technique, or other advanced pharmacy practice. Supervised practical field experience. Students assigned to practicum training sites and work under direct supervision of registered pharmacists and certified pharmacy technicians to gain exposure to professional practices. Students will build on experience gained in previous practicum assignments.

Seminar: 1 hour per week.

**Credit Hour(s):**

3

**Lecture Hour(s):**

1

**Lab Hour(s):**

0

**Other Hour(s):**

14

**Other Hour Details:**

Practicum: 14 hours per week

## Requisites

**Prerequisite and Corequisite**

PHM-2860 Pharmacy Technology Practicum II, and departmental approval.

## Outcomes

**Course Outcome(s):**

Demonstrate personal and interpersonal knowledge and skills in a third pharmacy setting.

**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. Compare and contrast the roles of pharmacists and pharmacy technicians in ensuring pharmacy department compliance with professional standards and relevant legal, regulatory, formulary, contractual, and safety requirements.
3. Communicate clearly when speaking with patients, caregivers, and pharmacy personnel and demonstrate a respectful attitude when interacting with diverse patient populations.

4. Apply interpersonal skills, including negotiation skills, conflict resolution, and teamwork to work in the pharmacy.
5. Apply critical thinking skills, creativity, and innovation to solve problems arising in pharmacy practice.
6. Develop skills leading to employment in pharmacy settings.

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**Course Outcome(s):**

Apply the knowledge of pharmacy practice and pharmacology to activities of a contemporary pharmacy technician.

**Objective(s):**

1. Assist pharmacists in performing patient and medication safety practices and activities.
2. Describe the use and maintenance of current technology in the healthcare environment to ensure the safety and accuracy of medication dispensing.
3. Apply quality assurance practices to pharmacy technician workplace activities.
4. Compare and contrast the roles of pharmacists and pharmacy technicians in ensuring pharmacy department compliance with professional standards and relevant legal, regulatory, formulary, contractual, and safety requirements.
5. Communicate clearly when speaking with patients, caregivers, and pharmacy personnel and demonstrate a respectful attitude when interacting with diverse patient populations.
6. Apply critical thinking skills, creativity, and innovation to solve problems arising in pharmacy practice.
7. Develop skills leading to employment in pharmacy settings.
8. Demonstrate understanding of foundational professional knowledge and skills in a real world pharmacy practice.
9. Demonstrate skill in processing and handling medications and medication orders under the supervision of a pharmacist.
10. Make use of acquired skills in compounding activities appropriate to the assigned workplace.
11. Demonstrate a knowledge of procurement, billing, reimbursement, and inventory management as it applies to pharmacy settings.

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**Course Outcome(s):**

Apply principles of patient- and medication-safety practices, quality assurance, and legal compliance in a third pharmacy practice setting.

**Objective(s):**

1. Assist pharmacists in performing patient and medication safety practices and activities.
2. Describe the use and maintenance of current technology in the healthcare environment to ensure the safety and accuracy of medication dispensing.
3. Apply quality assurance practices to pharmacy technician workplace activities.
4. Compare and contrast the roles of pharmacists and pharmacy technicians in ensuring pharmacy department compliance with professional standards and relevant legal, regulatory, formulary, contractual, and safety requirements.
5. Develop skills leading to employment in pharmacy settings.
6. Demonstrate understanding of foundational professional knowledge and skills in a real world pharmacy practice.
7. Demonstrate skill in processing and handling medications and medication orders under the supervision of a pharmacist.
8. Make use of acquired skills in compounding activities appropriate to the assigned workplace.
9. Demonstrate a knowledge of procurement, billing, reimbursement, and inventory management as it applies to pharmacy settings.

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**Methods of Evaluation:**

1. Written assignments
2. Oral reports
3. Individual conferences
4. Classroom participation
5. Evaluation by practical site preceptors
6. Evaluation by supervising instructor

**Course Content Outline:**

1. Institutional, community, or retail pharmacy organization
  - a. Physical layout of department
  - b. Department personnel
  - c. Organizational structure
2. Handling of prescriptions and medication orders
  - a. Receive and screen prescriptions/medication orders for completeness, accuracy, and authenticity
  - b. Prepare non-patient-specific medications for distribution

3. Sterile and/or non-sterile compounding: as applicable in assigned setting
  - a. Prepare medications requiring compounding of sterile products
  - b. Prepare medications requiring compounding of non-sterile products
  - c. Prepare medications requiring compounding of chemotherapy/hazardous products
4. Procurement and inventory management
  - a. Apply accepted procedures in purchasing pharmaceuticals, devices, and supplies
  - b. Apply accepted procedures in inventory control of medications, equipment, and devices
5. Customer service
  - a. Demonstrate a respectful attitude when interacting with diverse patient populations
  - b. Apply patient- and medication-safety practices
6. Interpersonal communication
  - a. Within the pharmacy
  - b. With other health care personnel
7. The role of technology in dispensing
  - a. Current use of technology
  - b. Ensuring safety and accuracy in dispensing
8. Pharmaceutical calculations applicable in assigned setting
  - a. Calculate doses
  - b. Calculate dispensing quantities and days supply
  - c. Use percent and ratio notation
9. Review of pharmacy law and ethics
  - a. Compare and contrast the roles of pharmacists and pharmacy technicians in ensuring pharmacy department compliance with professional standards
  - b. Review relevant legal, regulatory, formulary, contractual, and safety requirements
  - c. Maintain confidentiality of patient information

## Resources

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

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Darvey, Diane L. *Legal Handbook for Pharmacy Technicians*. Bethesda, MD: American Society of Health-System Pharmacists, 2008.

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

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Wedret, Jody Jacobson. *Communication and Management Skills of the Pharmacy Technician*. Washington, DC: American Pharmacists Association, 2014.

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## Resources Other

CCC Pharmacy Practicum Manuals with worksheets published on Pharmacy Technology Program course sites

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