



Wayne County Community College District

COURSE SYLLABUS

PHT 120 Drug Distribution Systems

CREDIT HOURS: 5.00

CONTACT HOURS: 100.00

COURSE DESCRIPTION:

This course provides detailed instruction in the systems, for the distribution of medications including the unit dose, traditional, and ward stock systems used in inpatient facilities, as well as intravenous admixture. It includes discussion of drug storage requirements and an introduction to inventory control, and methods of dispensing prescriptions to ambulatory patients will be addressed. Emphasis will be placed on technician responsibilities in each of these systems. This is a continuation of pharmaceutical calculations. Laboratory included.

PREREQUISITES: *PHT 105, PHT 110*

COREQUISITE: *PHT 130*

EXPECTED COMPETENCIES:

- (Comprehension) Explain how state laws and regulations determine what activities associated with receiving and screening prescription/medication orders for completeness and authenticity can be delegated by pharmacists to technicians. (ASPH 2.1)
- (Application) Exercise skill in the use of first-person and electronic systems to receive prescription/medication orders. (ASPH 2.2)
- (Analysis) When presented with a prescription/medication order, accurately and efficiently assess for completeness. (ASPH 2.3)
- (Application) Efficiently secure information to complete a prescription/medication order. (ASPH 2.4)
- (Analysis) When presented with a prescription/medication order, accurately and efficiently screen for authenticity. (ASPH 2.5)
- (Comprehension) Explain common situations when screening refills and renewals when the technician should notify the pharmacist of potential inappropriateness. (ASPH 2.6)
- (Application) Accurately create a new patient profile or enter data into an existing profile according to an established manual procedure or electronic procedure. (ASPH 3.2)
- (Application) Accurately count or measure finished dosage forms as specified by the prescription/medication order. (ASPH 3.5)
- (Application) Collect the correct ingredients for sterile or non sterile products that require compounding. (ASPH 3.6)
- (Application) Accurately determine the correct amounts of ingredients for a compounded product. (ASPH 3.7)
- (Complex Overt Response) Compound sterile products using appropriate techniques, equipment and devices. (ASPH 3.8)
- (Complex Overt Response) Compound non sterile products using appropriate technique. (ASPH 3.9)
- (Complex Overt Response) Compound cytotoxic and other hazardous medication products using appropriate technique. (ASPH 3.10)
- (Application) Follow safety policies and procedures in the preparation of all medications. (ASPH 3.11)
- (Application) Affix the appropriate primary and auxiliary labels to containers. (ASPH 3.15)
- (Application) Follow an established procedure for purchasing pharmaceuticals, devices, and supplies. (ASPH 9.1)



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- (Knowledge) Describe the various methods of inventory control (e.g., prime vendor, just-in-time). (ASPH 10.1)
 - (Application) Follow established policies and procedures for receiving goods and verifying specifications on the original order. (ASPH 10.2)
 - (Application) Follow established policies and procedures for placing pharmaceuticals, durable medical equipment, devices, and supplies in inventory under proper storage conditions. (ASPH 10.3)
 - (Application) Follow established policies and procedures for removing from inventory expired/discontinued pharmaceuticals, durable medical equipment, devices, supplies, or recalled items in these same categories. (ASPH 10.4)
 - (Application) Follow established policies and procedures for documenting repackaging or the removal from inventory of expired/discontinued pharmaceuticals, durable medical equipment, devices, supplies, or recalled items in these same categories. (ASPH 10.5)
 - (Analysis) Identify pharmaceuticals, durable medical equipment, devices, and supplies to be ordered (e.g., "want book"). (ASPH 10.6)
 - (Comprehension) Explain alternative strategies for securing a pharmacy item that is not available. (ASPH 10.7)
 - (Application) Follow established policies and procedures for monitoring the practice site and/or service area for compliance with federal, state, and local laws; regulations; and professional standards. (ASPH 11.1)
 - (Comprehension) Explain how the practice setting is used to contribute to the development of new medication products. (ASPH 13.1)
 - (Application) Follow the established protocol for recording the preparation of an investigational medication product. (ASPH 13.2)
 - (Application) Follow the established protocol for storage of investigational medication products. (ASPH 13.3)
 - (Application) Follow the established protocol to record the distribution of investigational medication products. (ASPH 13.4)
 - (Comprehension) Explain the characteristics of an effective pharmacy department approach to preventing medication misadventures. (ASPH 15.1)
 - (Characterization) Consistently maintain personal self-control and professional decorum. (ASPH 18.3)
 - (Comprehension) Explain the need to adapt direct patient care for diversity (e.g., culture, religion, race, age, gender, sexual orientation, disability, economic status). (ASPH 21.1)
 - (Comprehension) Explain some typical adaptations made in direct patient care plans to accommodate diversity. (ASPH 21.2)
 - (Application) Demonstrate consistent use of a systematic approach to solving problems encountered in one's work as a technician. (ASPH 27.1)
 - (Organization) Combine compassion with the delivery of pharmacy services. (ASPH 28.1)
 - (Comprehension) Explain the concept of "caring" within the context of the delivery of pharmaceutical care. (ASPH 28.2)
 - (Characterization) Display acceptance of an attitude of "caring" by conveying this attitude in all professional transactions with patients and their caregivers. (ASPH 28.3)
 - (Application) Apply the principles of quality assurance to all technician activities. (ASPH 35.1)



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ASSESSMENT METHODS:

Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

GRADING SCALE:

90%-100% = A

80%-89.9% = B

70%-79.9% = C

60%-69.9% = D

<60% = E