PHARMACOLOGY AND IV THERAPY SKILLS
Course Syllabus

Course Number: LPN-0100
OCAS Code: None
Course Length: 50 Hours
Career Cluster: Health Science
Career Pathway: Therapeutic Service
Career Major(s): Licensed Practical Nurse

Pre-requisite(s): Nursing Concepts
Anatomy and Physiology
Nursing Fundamentals

Course Description: This course provides instruction in basic pharmacology that is needed for safe and effective medication administration. Skills include medication administration as well as IV therapy. Fluid and electrolyte balance will be included. Content includes components of medication preparation and administration including the essential knowledge needed to adequately contribute to the assessment and evaluation of the effect of medication on clients throughout the lifespan.

Textbooks:
Mosby’s Dictionary of Medicine, Nursing & Health Professions, 9th Ed. Elsevier
Foundations & Adult Health Nursing, 6th Ed., Elsevier
Mosby’s Diagnostic and Lab Test Reference, 11th Ed., Pagana, Elsevier
LPN Notes Pocket Guide, 3rd Ed., FA Davis
Saunders Comprehensive Review for the NCLEX-PN Exam, 5th Ed., Elsevier
Mosby’s Drug Guide for Nurses, 10th Ed., Elsevier
Pharmacology & Intravenous Therapy Skills CIMC, CIMC
Nursing Concepts CIMC, CIMC
Nursing Extensions CIMC, CIMC

Course Objectives:
A. Calculate medication dosages accurately.¹
B. Gather information about general classifications of medications.¹
C. Discuss legal and ethical issues related to medication administration.¹
D. Develop competencies in the safe and efficient administration of medications.¹
E. Demonstrate appropriate documentation of medication.¹
F. Apply the nursing process to patients requiring medications.¹
G. Reinforce teaching about prescribed medication.¹
H. Review patients lab work, vital signs, and fluid and electrolyte balance.¹
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I. Demonstrate the ability to initiate and maintain IV therapy.¹

¹ ODCTE Objective

Certification for Advanced Unlicensed Assistants - Some individuals may be eligible to establish that they have had equivalent training, based on completion of formal classroom, laboratory, and clinical training. Such training may have been obtained in a nursing education program, in the military, in a similar program in another state, or through inservice training. An application packet for equivalency evaluation is available from the Oklahoma Board of Nursing.

Teaching Methods: The class will primarily be taught using activity packets, discussion, lecture and demonstrations. This will be supported by multi-media materials to address various learning styles. Supervised lab time is provided for students.

Grading Procedures: 1. Students are graded on theory and lab practice and performance.
2. Each course must be passed with eighty (80%) percent or better.
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.
4. Career Major grades established during coursework are a major criteria in successfully obtaining certification.

Description of Classroom, Laboratories, and Equipment: Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

Available Certifications/College Credit The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee or Tulsa Community College. See program counselor for additional information.

College Credit Eligibility: The student must maintain a grade point average of 3.0 or better.