



HEALTH AND HUMAN SERVICES (HHS)

IV THERAPY

HHS 250

2 Credit Hours

Instructors: Debra Dempewolf, RN, BSN, MS and Jana Ortega, RN, BSN

Standards & Measures: Practical Nursing Advisory Committee; Certification Standards adopted by the Kansas State Board of Nursing, Intravenous Nurse Society and the National League for Nursing.

Health and Human Services Mission Statement: Students will participate in planned experiences directed toward performing health-related activities with precision, safety and efficiency consistent with concepts and practices of all encompassing health care entities and disciplines.

Course Description: The LPN will perform IV Therapy procedures as defined in K.A.R. 60-16-102 (b). The student will demonstrate knowledge, skills and competency in the administration of IV fluid therapy in a safe manner.

Prerequisites:

Current Kansas LPN licensure

Documentation of recent TB skin test, MMR titers or vaccinations, and Hepatitis B vaccinations

Course Competencies:

Upon completion of HHS 250 the student will:

- I. Identify the current rules and regulations of IV Therapy.
 - a. Identify the Kansas Nurse Practice Act
 - b. Identify the purpose of the IV Therapy Committee
- II. Demonstrate equipment and techniques used with IV Therapy
 - a. Demonstrate use of IV pumps
 - b. Demonstrate IV cannula insertion
 - c. Calculate IV fluid and administration flow rates
 - d. Demonstrate techniques used for administration of specific IV drugs
 - e. Describes IV maintenance techniques
 - f. Identify physiology aspects of IV Therapy
- III. Assess IV fluid complications
 - a. Identify signs and symptoms of IV therapy complications
 - b. Describe treatment measures of IV therapy complications
 - c. Identify IV incompatibility problems

- IV. Analyzes the relationship between IV fluid administration and body function
 - a. Define homeostasis
 - b. Identify the regulatory functions of the body
 - c. Describe the different types of IV fluids and their purpose for use.

Student Required Materials:

Student Workbook

Content Outline:

- I. Introduction
- II. Anatomy & Physiology as Applied to IV Therapy
- III. Fundamental Aspects of Fluid and Electrolyte Balance
- IV. Recognition and Prevention of IV Therapy-Related Complications
- V. Administration of IV Therapy
- VI. Principles of IV Therapy Maintenance
- VII. Discontinuation of Peripheral IV Sites
- VIII. Pharmacological Considerations of IV Medications
- IX. Total Parenteral Nutrition
- X. Procedures in Phlebotomy

Student Evaluation Procedures:

Student Evaluation for this course is based on knowledge of IV Therapy: The student must turn in the Evaluation Items at the end of each Instructional Lesson before being eligible to participate in IV Therapy Lab and Clinical.

The student must take the final exam within 2 weeks of his/her clinical experience.

The student understands the concepts of IV Therapy being presented and is able to successfully convey that knowledge on the final exam with an 80% or better.