

COURSE INFORMATION

COURSE PREFIX NO.:	NUR 140
COURSE TITLE:	IV THERAPY
LECTURE/LAB:	16 HOURS TOTAL
CREDIT/SEMESTER:	1.0
PREREQUISITES:	Successful Completion of a Board Approved School of Nursing Program for LPN or RN.

**DL ATTENDANCE/VA STATEMENT
TEXTBOOK INFORMATION****COURSE DESCRIPTION:**

This course is a study of the principles and practices of intravenous therapy. Emphasis is placed on venipuncture techniques, complications, fluid balance and the responsibilities of a licensed nurse.

COURSE COMPETENCIES:

The student will function in the role of provider of care, manager of care, and member within the discipline of nursing by the completion of NUR 140 and will:

Module I:

1. Discuss IV therapy and the purpose for access to the venous system.
2. Identify the laws for nursing related to IV therapy.
3. Differentiate between different IV fluid preparations.

Module II:

1. Describe the steps in preparing for venipuncture, purpose of infusion, duration of therapy, type of medication or fluid, client and condition and location and condition of veins.
2. Demonstrate correct aseptic venipuncture techniques in the lab and the clinical setting.
3. Recognize complications related to intravenous therapy and provide appropriate interventions.

Module III:

1. Identify the intravenous infusion needs of special populations.
2. Differentiate between central and peripherally placed vascular access devices
3. Identify the types of intravenous nutritional support and the nurses role in care of this type of IV therapy.
4. Identify the types of blood and blood products and the nurses role in administration of these products.

COURSE REQUIREMENTS:

1. Complete the CAI requirements
2. Completion of one comprehensive final exam
3. Lab demonstration of IV insertion and completion of the Intravenous Therapy Evaluation Checklist.
4. Students will be expected to adhere to institutional policies, policies of the nursing program and policies related to the clinical agencies utilized for clinical experiences.
5. Students are expected to complete all required learning activities prior to class/lab for which they have been assigned.
6. Students must complete six intravenous insertions to be AHEC certified in IV therapy.
7. Clinical facilities may require drug screens and/or SLED background checks before allowing students to participate in clinical rotation. Students participating in clinical may be required to have a drug screen at any time during their rotation.

ATTENDANCE:

In order to meet the objectives of class and to promote professional accountability, the following requirements for attendance will be enforced:

1. Students must attend and participate at scheduled classroom, simulated lab, and clinical experience as stated in the current York Technical College catalog.
2. Any student absent and/or tardy from an assigned clinical experience must notify the instructor.

METHODS OF INSTRUCTION:

Lecture/Discussion, audiovisuals, demonstration/return demonstration, skill lab/clinical experiences, assigned readings, computer lab experiences, exam

MINIMAL STANDARDS:

The student will demonstrate course competencies as stated in the syllabus. Six successful IV insertions are required by AHEC for certification.

EVALUATION STRATEGIES:

Student evaluation for the course includes a graded theory component of one comprehensive exam. A grade of satisfactory/unsatisfactory will be given for the clinical/lab performance component. A student must achieve 80% (C) in the theory component, and a satisfactory rating in the clinical/lab component in order to successfully complete the course.

Grading Scale:

A = 91-100
B = 86-90
C = 80-85
D = 70-79
F = 69 or lower

Clinical/Lab Grading Scale:

Satisfactory or Unsatisfactory

ACADEMIC INTEGRITY:

Any student found guilty of cheating, dishonesty or plagiarism will be given a grade of “0” on an exam or written work and will be subject to further disciplinary action. Plagiarism refers to “The act of appropriating the literary composition of another, on parts or passage of his writings, on the ideas of language of the same, and passing them off as the product on one’s own mind.” (Black’s Law Dictionary, 4th edition)

Students will be expected to sign their signature at the end of each exam that states they have maintained academic integrity.

CAI LAB:

Students must adhere to the CAI lab policies (see Guidelines For Use of the /CAI Lab).

PREREQUISITES: Successful Completion of a Board Approved School of Nursing Program for LPN or RN

CO-REQUISITES: None

ENTRY LEVEL SKILL: Ability to perform basic nursing assessment

COURSE OUTLINE

- Module I. Foundations of Intravenous Infusion Therapy Practice
- A. Introduction to Intravenous Infusion Therapy
 - B. Legal Implications of Intravenous Infusion Therapy
 - C. Intravenous Infusion Preparations
- Module II The Practice of Intravenous Infusion Therapy
- A. Infection Control Related to Intravenous Infusion Therapy
 - B. Risks, Complications, and Adverse Reactions
 - C. Patient Preparation and Peripheral Site Selection
- A. Equipment and Supplies
 - B. Delivery, Care, Maintenance, and Discontinuation of IV Therapy
 - C. Mathematical Calculations for the Administration, Regulation, and Maintenance of IV Therapy
- Module III. Intravenous Infusion Needs of Special Populations
- A. Intravenous Infusion Therapy for the Pediatric Client
 - B. Intravenous Therapy for the Elderly Client
 - D. Central and Peripherally Placed Vascular Access Devices
 - E. Intravenous Nutritional Support
 - C. Blood and Blood Product Administration