

COURSE SYLLABUS

VNSG 1171.501

IV THERAPY

Vocational Nursing Program- Plainview Extension

Health Occupations Division

Technical Education Division

Plainview Campus

SOUTH PLAINS COLLEGE

Spring 2020

**SOUTH PLAINS COLLEGE – PLAINVIEW
 SPRING 2020
 COURSE SYLLABUS**

COURSE TITLE: VNSG 1171.501 (1:1:0)

INSTRUCTOR: Suzanne Griffin, ADN, RN
 VN Program Coordinator and Assistant Professor

OFFICE LOCATION & PHONE / E-MAIL: PLAINVIEW Campus – PC104E
 806-296-9611 x 4405 sgriffin@southplainscollege.edu

OFFICE HOURS: MT 0800 - 0900 and 1300 - 1600
 WTRF (By Appointment)

SOUTH PLAINS COLLEGE IMPROVES EACH STUDENT'S LIFE

COURSE DESCRIPTION:

This course discusses intravenous therapy, including types of intravenous devices and various types of therapy, complications of intravenous therapy and venipuncture techniques.

COURSE LEARNING OUTCOMES:

Determined by local occupational need and business and industry trends. Specific goals/objectives of this course are to help the student understand and utilize measures necessary to promote safety and comfort of the client receiving intravenous therapy.

COURSE COMPETENCIES:

The student must complete this course with a grade of 77% or above based on the following objectives:

1. Identify and locate veins used as primary sites for IV infusions.
2. State three indications for use of IV infusions.
3. Perform a client assessment before initiating an IV infusion.
4. Identify types of infusion equipment; advantages and disadvantages of each.
5. Identify four methods, which can be used to distend veins for venipuncture.
6. State items necessary to assemble prior to initiating an IV.
7. Demonstrate knowledge of and application of appropriate aseptic technique.
8. Describe steps in the procedure of initiating an IV infusion.
9. Perform an assessment of and correctly monitor an IV infusion.
10. Identify the purpose and advantages of volume-controlled infusion monitoring devices.
11. Identify potential hazards related to IV therapy.
12. Develop a basic understanding of the complexity of IV drugs, their actions / interactions and potential effects on body systems.
13. Successfully demonstrate correct skill procedure of venipuncture while maintaining sterile technique in the simulated laboratory setting.

ACADEMIC INTEGRITY:

Refer to the Plainview Student Handbook and the SPC Catalog.

SCANS AND FOUNDATIONS:

C – 5, 6, 7, 11, 15, 16, 17, 18, 19, 20.

F – 1, 2, 3, 4, 5, 6, 8, 9, 10, 11, 12, 13, 17.

VERIFICATION OF WORKPLACE COMPETENCIES:

NCLEX-PN Licensure Exam eligibility following successful completion of the one-year vocational nursing program.

TEXTBOOK:

Burton, Marti A., RN, BS; Smith, David, MSN, RN; Ludwig, Linda J. May, RN, BS, MEd. (2019). Fundamentals of Nursing Care: Concepts, Connections, and Skills, 3rd Edition; F.A. Davis, Philadelphia

Study Guide to accompany textbook

Watkins, Cynthia J., RN, MSN (2018). Pharmacology Clear and Simple, 3rd Edition, F.A. Davis, Philadelphia

Curren, Anna M., RN, MA; Witt, Margaret H., BSN, MPT, DPT. (2015). Math for Meds: Dosages & Solutions, 11th Ed., Cengage Learning; Connecticut

ATI Support Materials: Skill Modules

Medication Administration 4

IV Therapy

Central Venous Access Devices

Blood Administration

Dosage Calculations 2.0 (Dimensional Analysis, Desired Over Have, Ratio and Proportion – ONLY Parenteral IV Medications

ATTENDANCE POLICY:

Refer to the SPC Catalog and the Plainview VNP Student Handbook. This course is a 1 semester hour course with 2 hours allowable absence.

COURSE REQUIREMENTS:

1. Student is expected to read assigned material and be prepared for class discussion. Audio-visual information is used to assist the student in integration of key components and application of content.
2. Student is expected to complete all assigned worksheets, have a passing score with lab practicum (total of three attempts to be allowed), ATI support materials, and final exam.
3. Student is expected to follow all guidelines outlined in the College Catalog and Plainview VNP Student Handbook.

GRADING:

Class Participation.....	10%	A	93 - 100
Lab Practicum.....	40%	B	84 - 92
Content Exams / Final Exam	50%	C	77* - 83
		D	70 - 76
		F	69 and below

*77 is the passing score for nursing

SCHEDULE OF CLASSES

- 1-13-20 **Course Introduction**
Syllabus Review, Text References, and ATI Support Materials
- 1-14-20 **“What I Already Know About IV Therapy” Class Discussion**
Ch.12 – Patient Teaching Guidelines
IV Therapy Basics: Patient Teaching for IV Therapy
- 1-27-20 **Ch. 38 – Purposes of IV Therapy & IV Solutions (Burton/Ludwig)**
Ch. 17 – Introduction to IV Fluids (Curren/Witt pg. 264)
Percentages in IV Fluids (Curren/Witt pg. 265)
Parenteral Nutrition (Curren/Witt pg. 266)
ATI: Skill Modules - Begin General Review of Available Content
- 2-3-20 **Ch. 10 – IV Medications & Administration (Watkins: pgs. 182-184)**
Ch. 38 – Preparation of Supplies (Burton/Ludwig)
Identifying Peripheral Venipuncture Sites
Selecting a Vein (Burton/Ludwig)
ATI: Skill Modules - Begin General Review of Available Content
- 2-10-20 **Preparing For IV Therapy ** Organization of Thoughts & Actions ****
IV Therapy Equipment & Comparing Venipuncture Devices
Ch. 38 – IV Equipment (Burton/Ludwig)
Ch. 10 – Intravenous Set-up (pgs. 191 - 192 Watkins) (Fig. 10-24)
Ch. 17 – Introduction to IV Therapy (Curren/Witt pgs. 254 – 264)
ATI: Skill Modules – Continue General Review
- 2-17-20 **Content Exam #1**
- 2-24-20 **Complications of IV Therapy**
Ch. 38 – Complications of Peripheral IV Therapy (Burton/Ludwig)
ATI: Skill Modules – Continue General Review
- 3-2-20 **Complications of IV Therapy (continued)**
Ch. 10 – (pg. 195 last paragraph – 196 Watkins)
ATI: Skill Modules – Continue General Review
- 3-9-20 **Asepsis for IV Therapy & Special Population Considerations (Gerians & Pediatrics)**
Ch. 38 – Asepsis and IV Therapy (Burton/Ludwig)
People & Places Connections: Performing Venipuncture in Elderly (pg. 935)
ATI: Skill Modules – Continue General Review
- 3 / 16-20 / 20 *******SPRING BREAK*******

COURSE OUTLINE:

- I. Introduction
- II. Special Considerations
- III. Review of Fluids and Electrolytes
- IV. Parenteral Fluids
- V. Intravenous Therapy Equipment
- VI. Techniques for Peripheral Intravenous Therapy
- VII. Complications of Intravenous Therapy
- VIII. Troubleshooting Intravenous Problems
- IX. Calculation of IV Flow Rates
- X. Intravenous Medication Administration

SCANS COMPETENCIES

- C-1 **TIME** – Selects goals – relevant activities, ranks them, allocates time, prepares and follows schedules.
- C-2 **MONEY** - Uses or prepares budgets, makes forecasts, keeps records and makes adjustments to meet objectives.
- C-3 **MATERIALS & FACILITIES** – Acquires, stores, allocates and uses materials or space efficiently.
- C-4 **HUMAN RESOURCES** – Assess skills and distributes work accordingly, evaluates performances and provides feedback.

INFORMATION – Acquires and Uses Information

- C-5 Acquires and evaluates information.
- C-6 Organizes and maintains information.
- C-7 Interprets and communicates information.
- C-8 Uses computers to process information.

INTERPERSONAL – Works With Others

- C-9 Participates as members of a team and contributes to group effort.
- C-10 Teaches others new skills.
- C-11 Serves Clients/Customers – works to satisfy customer’s expectations.
- C-12 Exercise Leadership – Communicates ideas to justify position, persuades and convinces others responsibility challenges existing procedures and policies.
- C-13 Negotiates – works toward agreements involving exchanges of resources; resolves divergent interests.
- C-14 Works With Diversity – Works well with men and women from diverse backgrounds.

SYSTEMS – Understands Complex Interrelationships

- C-15 Understands Systems – Knows how social, organizational, and technological systems work and operate effectively with them.
- C-16 Monitors and Corrects Performance – Distinguishes trends, predicts impacts in system operations.
- C-17 Improves Designs Systems – Suggests modifications to existing systems and develops new or alternative systems to improve performance.

TECHNOLOGY – Works With a Variety of Technologies

- C-18 Selects Technology – Chooses procedures, tools, or equipment, including computers and related technologies.
- C-19 Applies Technology to Task – Understands overall intent and proper procedures for setup and operation of equipment.
- C-20 Maintains and Troubleshoots Equipment – Prevents, identifies, or solves problems with equipment.

FOUNDATION SKILLS

BASIC SKILLS – Reads, Writes, Performs Arithmetic and Mathematical Operations, Listens and Speaks

- F-1 Reading – Locates, understands and interprets written information in prose and in documents such as manuals, graphs and schedules.
- F-2 Writing – Communicates thoughts, ideas, information and messages in writing and creates documents such as letters, directions, manuals, reports, graphs and flow charts.
- F-3 Arithmetic – Performs basic computations; uses numerical concepts such as whole numbers, etc.
- F-4 Mathematics – Approaches practical problems by choosing appropriately from a variety of mathematical techniques.
- F-6 Speaking – Organizes ideas and communicates orally.

THINKING SKILLS – Thinks Creatively, Makes Decisions, Solves Problems, Visualizes and Knows How to Learn and Reason

- F-7 Creative Thinking – Generates new ideas.
- F-8 Decision Making – Specifies goals and constraints, generates alternatives, considers risks, evaluates and chooses best alternative.
- F-9 Problem Solving – Recognizes problems, devises and implements plan of action.
- F-10 Seeing Things in the Mind’s Eye – Organizes and processes symbols, pictures, graphs, objects and other information.
- F-11 Knowing How to Learn – Uses efficient learning techniques to acquire and apply new knowledge and skills.
- F-12 Reasoning – Discovers a rule or principle underlying the relationship between two or more objects and applies it when solving a problem.

PERSONAL QUALITIES – Displays Responsibility, Self-Esteem, Sociability, Self-Management, Integrity and Honesty

- F-13 Responsibility – Exerts a high level of effort and perseveres toward goal attainment.
- F-14 Self-Esteem – Believes in own self-worth and maintains a positive view of self.
- F-15 Sociability – Demonstrates understanding, friendliness, adaptability, empathy and politeness in group settings.
- F-16 Self-Management – Assesses self accuracy, sets personal goals, monitors progress and exhibits self control.
- F-17 Integrity / Honesty – Chooses ethical courses of action.

Syllabus Statements:**4.1.1.1. Diversity Statement**

In this class, the teacher will establish and support an environment that values and nurtures individual and group differences and encourages engagement and interaction. Understanding and respecting multiple experiences and perspectives will serve to challenge and stimulate all of us to learn about others, about the larger world and about ourselves. By promoting diversity and intellectual exchange, we will not only mirror society as it is, but also model society as it should and can be.

4.1.1.2. Disabilities Statement

Students with disabilities, including but not limited to physical, psychiatric, or learning disabilities, who wish to request accommodations in this class should notify the Disability Services Office early in the semester so that the appropriate arrangements may be made. In accordance with federal law, a student requesting accommodations must provide acceptable documentation of his/her disability to the Disability Services Office. For more information, call or visit the Disability Services Office at Levelland (Student Health & Wellness Office) 806-716-2577, Reese Center (Building 8) 806-716-4675, or Plainview Center (Main Office) 806-716-4302 or 806-296-9611.

4.1.1.3 Non-Discrimination Statement

South Plains College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Vice President for Student Affairs, South Plains College, 1401 College Avenue, Box 5, Levelland, TX 79336. Phone number 806-716-2360.

4.1.1.4 Title IX Pregnancy Accommodations Statement

If you are pregnant, or have given birth within six months, Under Title IX you have a right to reasonable accommodations to help continue your education. To activate accommodations you must submit a Title IX pregnancy accommodations request, along with specific medical documentation, to the Director of Health and Wellness. Once approved, notification will be sent to the student and instructors. It is the student's responsibility to work with the instructor to arrange accommodations. Contact the Director of Health and Wellness at 806-716-2362 or email cgilster@southplainscollege.edu for assistance.

4.1.1.5 OPTIONAL STATEMENT - Campus Concealed Carry Statement

Texas Senate Bill - 11 (Government Code 411.2031, et al.) authorizes the carrying of a concealed handgun in South Plains College buildings only by persons who have been issued and are in possession of a Texas License to Carry a Handgun. Qualified law enforcement officers or those who are otherwise authorized to carry a concealed handgun in the State of Texas are also permitted to do so. Pursuant to Penal Code (PC) 46.035 and South Plains College policy, license holders may not carry a concealed handgun in restricted locations. For a list of locations and Frequently Asked Questions, please refer to the Campus Carry page at: <http://www.southplainscollege.edu/campuscarry.php>
Pursuant to PC 46.035, the open carrying of handguns is prohibited on all South Plains College campuses. Report violations to the College Police Department at 806-716-2396 or 9-1-1.

**Plagiarism Declaration
Department of Nursing
South Plains College
(VNSG 1171.501)**

By signing this plagiarism declaration I acknowledge that I have received a copy of the honesty policy and been made aware that the penalty for plagiarism is dismissal from the program.

Examples of student plagiarism¹

- Copying material without quotes, in-text citations, and/or referencing
- Paraphrasing content without in-text citation and/or referencing
- Copying ideas, words, answers, exams, or shared work from others when individual work is required
- Using another's paper in whole or in part
- Allowing another student to use one's work
- Claiming someone else's work is one's own
- Resubmitting one's own coursework, when original work is required (self-plagiarism)
- Falsifying references or bibliographies
- Getting help from another person without faculty knowledge or approval
- Purchasing, borrowing, or selling content with the intent of meeting an academic requirement for oneself or others

Printed Name

Signature

Date

1. Smith, L. Conquering plagiarism in nursing education. *Nursing 2016*. 2016; 46(7):17-199