

COURSE SYLLABUS

VNSG 1171.501

IV THERAPY

Vocational Nursing Program- Plainview Extension

Health Occupations Division

Technical Education Division

Plainview Campus

SOUTH PLAINS COLLEGE

Spring 2021

**SOUTH PLAINS COLLEGE - PLAINVIEW
 SPRING2021
 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 objective s:

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 hazard s 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, 3'd 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%
Lab Practicum 40%
Content Exams / Final Exam 50%

A 93 - 100
B 84 - 92
C 77* - 83
D 70 - 76
F 69 and below

*77 is the passing score for nursing

SCHEDULE OF CLASSES

- 1-19-21 Course Introduction
Syllabus Review, Text References, and ATI Support Materials
- 1-25-21 ="What I Already Know About IV Therapy" Class Discussion
Ch.12 - Patient Teaching Guidelines (Burton/Smith/Ludwig)
IV Therapy Basics: Patient Teaching for IV Therapy
- 2-1-21 Ch. 38 - Purposes of IV Therapy & IV Solutions (Burton/Smith/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
- 2-8-21 Ch. 10 - IV Medications & Administration (Watkins: pgs. 190-194)
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
- 2-15-21 Preparing for IV Therapy** Organization of Thoughts & Actions **
IV Therapy Equipment & Comparing Venipuncture Devices
Ch. 38 - IV Equipment (Burton/Smith/Ludwig) Ch.
10 - Intravenous Set-up (pgs. 201-203 Watkins)
Ch. 17 - Introduction to IV Therapy (Curren/Witt pgs. 254 - 264)
ATI: Skill Modules - Continue General Review
- 2-22-21 Content Exam #1
- 3-1-21 Complications of IV Therapy
Ch. 38 - Complications of Peripheral IV Therapy (Burton/Smith/Ludwig)
ATI: Skill Modules - Continue General Review
- 3-8-21 Complications of IV Therapy (continued)
Ch. 10 - (pg. 205 last paragraph Watkins)
ATI: Skill Modules - Continue General Review
- 3 / 15-19 /21 *****SPRING BREAK*****
- 3-22-21 Asepsis for IV Therapy & Special Population Considerations (Geriatrics & Pediatrics)
Ch. 38 - Asepsis and IV Therapy (Burton/Smith/Ludwig)
Elder Care Connection: Performing Venipuncture in Elders (pg. 879)
ATI: Skill Modules - Continue General Review

- 3-29-21 Content Exam # 2
- 4-2-21 *****EASTER HOLIDAY*****
- 4-5-21 IV Calculations
Ch. 38 - Calculation of Infusion Rate (Burton/Smith/Ludwig)
Skill Set 38.4 Calculating IV Infusion Rate
Ch. 18 - IV Flow Rate Calculation (pgs. 269 - 286 Curren/Witt)
ATI: Skill Module - Dosage Calculations
- 4-12-21 IV Calculations continued review.
Blood and Blood Products
Ch. 38 - Blood & Blood Products (Burton/Smith/Ludwig)
Skill Set 38.9 Preparing, Initiating, & Monitoring the Infusion of Blood & Blood Products
ATI: Skill Module - Dosage Calculations
- 4-19-21 Content Exam # 3
Lab Practicum Review
Burton/Smith/Ludwig: Ch. 38 - All Skill Sets Review

CCE Reese: CLINICAL (4 I 21 & 4 I 22)
JV Therapy Initiation & IVPB Administration
- 4-26-21 Final Exam Review
ATI: Skill Modules - Continue General Review
- 5-3-21 Continued Course and ATI Review
- 5-10-21 FINAL EXAM

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.

SCANS FOUNDATION AND COMPETENCY SKILLS (by course)

<u>Foundations; (F)</u>		<u>Competencies: (C)</u>	
ECON	230:	1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 17	2, 15
ENGL	1301	1, 2, 5, 7, 8, 9, 11, 12, 13, 15, 16, 17	5, 6, 7, 8
	1302	1, 2, 5, 7, 8, 9, 11, 12, 13, 15, 16, 17	5, 6, 7
GOVT	2301	1, 2, 10, 11, 12, 17	15
HIST	1302	1, 2, 5, 10, 11, 12, 17.	15
MATH	1314	3, 4, 9, 10, 11, 12	
PSYC	2301	1, 2, 10, 11, 12, 15, 16, 17	4, 14
READ	1314	1, 2, 5, 7, 8, 9, 10, 11, 12, 15, 17	1, 5, 6, 7, 8, 9, 10, 12,
	13, 14, 15		
SPCH	1321	2, 4, 5, 6, 7, 8, 9, 10, 13, 14	1, 5, 6, 7, 14
SOC	1301	1, 2, 5, 8, 9, 10, 11, 12, 15, 16, 17	4, 14
PHYS	1315	1, 2, 4, 10, 11, 12	

Example for PSYC: Scans: Foundation Skills: 1, 2, 10, 11
Competencies: 4, 13

4.1.1 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 (updated 6/2019)

Any students who, because of a disability, may require special arrangements in order to meet the course requirements should contact the instructor as soon as possible to make and necessary arrangements. Students must present appropriate verification from the SPC Disability Service Office during the instructor's office hours. Please note that instructors are not allowed to provide classroom accommodations until appropriate verification from the SPC Disability Service Office has been provided. For more information, you may contact the Disability Services Office (located in the Health & Wellness Center) at 806-716-2529 or visit <http://www.southplainscollege.edu/health/disabilityservices.php>.

4.1.1.4 Title IX Pregnancy Accommodations Statement (updated 6/2019)

If you are pregnant, or have given birth been within six months, under Title IX you have a right to reasonable accommodations to help continue your education. Students who wish to request accommodations must contact the Health and Wellness Center at 806-716-2529 to initiate the process.

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 <https://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.

Face Covering Course Syllabus Statement - Rev. 1/4/2021

The following statement will be placed in all Face-to-Face and Flex-Course syllabi:

It is the policy of South Plains College for the Spring 2021 semester that as a condition of on-campus enrollment, all students are required to engage in safe behaviors to avoid the spread of COVID-19 in the SPC community. Such behaviors specifically include the requirement that all students properly wear CDC-compliant face coverings while in SPC buildings including in classrooms, labs, hallways, and restrooms. Failure to comply with this policy may result in dismissal from the current class session. If the student refuses to leave the classroom or lab after being dismissed, the student may be referred to the Dean of

Students on the Levelland campus or the Dean/Director of external centers for Student Code of Conduct Violation. Students who believe they have been exposed or may be COVID-19 positive, must contact Health Services, DeEtte Edens, BSN, RN at (806) 716-2376 or dedens@southplainscollege.edu.

Student is responsible in following all clinical affiliate facility policies and procedures.

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 plagiarism ¹

- 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