



Basic Course Information

Semester:	Summer 2025	Instructors	Ana Cisneros, RN ana.cisneros@imperial.edu
Course Title & #:	VN 240 Intravenous Therapy Techniques		760-550-1809
CRN #:			
Classroom:	2139	Deadline to drop WITH "W"	
Class Dates:	06/23/2025-7/8/2025	Webpage (optional):	www.Imperial.edu
Class Days:	MTWTh	Office #:	760-355-6348 (Nursing Office)
Class Times:	M: 0800-1200 T: 0800-1200 W: 0800-1200 Th: 0800-1200	Emergency Contact:	760-355-6348 (Nursing Office)
Units:	2.0	Class Format/Modality:	Classroom

Course Description

The final eight-week course, VN 240, is a course of instruction in the practice and regulation of blood withdrawal, venipuncture, and intravenous therapy. Course content covers the anatomy and physiology of the vascular system; IV solutions, electrolytes, nutrients, vitamins, and blood/blood products; devices or equipment required to start and monitor; the role and regulations for RN, LVN, or other healthcare providers; and preparation of the client and family. At completion of the course, each participant will demonstrate successful venipuncture. Additional materials fee applies. (CSU)

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge and attitudes as demonstrated by being able to:

1. Perform successful venipuncture by identifying the most appropriate site
2. Identify legal implications related to IV therapy related to regulatory requirements and standards.

Course Objectives

Upon satisfactory completion of the course, the student will be able to:

1. Describe the anatomy and physiology of the vascular system related to IV practice, parenteral fluids, and equipment
2. Perform steps required for successful venipuncture.
3. Discuss principles and practices of standard precautions, aseptic technique, and bloodborne pathogens rules as applied to acute care and extended care settings.
4. Discuss rationales, policies, procedures, regulatory and legal implications related to IV therapy.
5. Define the role of IV therapy in the maintenance and correction of nutritional, fluid, electrolyte, and acid-base balance.
6. Describe the venipuncture devices and equipment used in IV therapy or blood/blood product administration, including any criteria for device selection, use and trouble shooting.

7. Discuss local and systemic complications of IV therapy in terms of signs, symptoms, and management and preventative measures.
8. List the elements influencing infusion rates, including the use of intermittent infusion devices with varying drip factors.
9. Discuss the procedural preparation of patients and family members across the age continuum.

Textbooks & Other Resources or Links

Textbooks:

Lisa Gorski. 2023. Phillips's Manual of IV Therapeutics: Evidence-Based Practice for Infusion Therapy. 8th F. A. Davis Company. ISBN: 978-1-7196-4609-3 (printed book)
ISBN-13: EBK46093 + Online Resources (E-book)

ATI books & online resources

Current Pharmacology textbook

Websites:

- ATI Nursing education. www.atitesting.com
- The National Association of Licensed Professional Nurses (NALPN), www.nalpn.org
- Board of Vocational Nursing and Psychiatric Technicians, www.bvnpt.org
- American Heart Association www.heart.org/
- American Academy of Pediatrics, www.aap.org
- Institute of Pediatric Nursing, www.ipedsnursing.org
- American Society of Hematology www.hematology.org

Course Requirements and Instructional Methods

Out of Class Assignments:

The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement.

Reading and Writing:

- Read assigned chapters in textbooks, develop care plans, accurately document by completing charting exercises to participate in data collection
- Audio Visual: DVD of skills required for successful course completion
- Computer Assisted Instruction: Internet research, case study
- Demonstration: skills required for successful course completion
- Discussion: Related topics on Nursing Fundamentals and skills
- Lab Activity: Assessment Skills; Nursing Fundamental Skills; Check-off demonstrations
- Lecture; Power-point
- Simulation/Case Study: Nursing skills and Vital signs

ASSIGNMENTS:



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Class activities: Class participation and discussion, presentations, unit exams, pop quizzes, calculation exam and Final exam.

Out-of-class:

Reading assignments from required textbooks listed for this course (see textbook list), and the pharmacology text used in the pharmacology course. Writing assignments will reflect the objectives listed and may include, but not be limited to, care plans, concept-mapping, drug cards, short essays, and/or professional papers. CD/DVD viewing, internet, research evidence-based articles.

Additional reference materials will be available in the nursing learning center. Outside assignments may include, but not limited to, nursing lectures or in-services offered by local health facilities, independent exercises, and learning center activities.

Clinical/ simulations assignments:

Clinical/simulations assignments will include preparing for clinical by practicing and demonstrating skills in a check-off simulation, obtaining patient data, reviewing medication information. Clinical hours will be spent demonstrating proficiency in nursing skills and patient care in the clinical lab setting. Written post-assignments will relate to clinical experience and may include but not be limited to care plans, case studies, and documentation exercises. Clinical sites may include hospitals, clinics, simulation lab.

Simulations:

- Simulations are a safe learning environment where all students will have the opportunity to interact within a structured scenario.
- Simulations will be utilized during this class and simulation materials will be handed out during the semester.
- All advance assignments must be completed before the start of class.
- Failure to complete the pre-assignment will prevent the student from attending the class for the day and results in a clinical absence.
- It is each student's responsibility to complete all facility requirements, i.e., BLS training, immunizations, background checks, drug screening, specific hospital orientation, etc., prior to clinical rotations (please see the student handbook for more information). A student will not be allowed to attend any clinical hours until this is done. If over the maximum hours of absenteeism because of this, the student will be dropped from the class.
- Plagiarism and cheating policies noted in the student handbook and IVC policies will be strictly enforced. Students are expected to develop original work for this course. It is recommended that students visit the college library to become acquainted with the research tools available.

Course Grading Based on Course Objectives

Pass/No Pass

Academic Honesty (Artificial Intelligence -AI)

IVC values critical thinking and communication skills and considers academic integrity essential to learning. Using AI tools as a replacement for your own thinking, writing, or quantitative reasoning goes against both our mission and academic honesty policy and will be considered academic dishonesty, or plagiarism unless you have been instructed to do so by your instructor. In case of any uncertainty regarding the ethical use of AI tools, students are encouraged to reach out to their instructors for clarification.

Course Policies

To evaluate a student's ability to provide for patient safety and to demonstrate clinical competence, students must be present in clinical.

Attendance

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. It is the student's responsibility to drop or officially withdraw from the class. See [General Catalog](#) for details.
- Students late to class three times in any nursing course will be considered absent for one day. Class includes lectures, clinical, and skills labs.
- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absence exceeds the number of hours the class is scheduled to meet per week may be dropped. NUR 80 is a synchronous class course. There is a total of 10 class meetings for this winter session. Missing more than 1 day of class may be considered for dismissal from the course. Please inform me of any emergency circumstances.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.
- Students actively enrolled in the Imperial Valley College Associate Degree Nursing Program must attend all classes and clinical practice assignments. Absences will be limited to the maximum allowable number of hours absent. A student who reaches the maximum allowable number of hours absent will file a petition to remain in the nursing program. The student will meet with the teaching team to discuss the situation and may be considered for dismissal.

Disruptive Students: Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Campus Disciplinary Officer before returning to continue with coursework. Disciplinary procedures will be followed as outlined in the VN student handbook. Please note that Student VN Handbook policies supersede General IVC Catalog.

- **Children in the classroom:** Due to college rules and state laws, only students enrolled in the class may attend; children are not allowed.
- **Netiquette** is internet manners, online etiquette, and digital etiquette all rolled into one word. Basically, netiquette is a set of rules for behaving properly online. Students are to comply with the following rules of netiquette: (1) identify yourself, (2) include a subject line, (3) avoid sarcasm, (4) respect others' opinions and privacy, (5) acknowledge and return messages promptly, (6) copy with caution, (7) do not spam or junk mail, (8) be concise, (9) use appropriate language, (10) use appropriate emoticons (emotional icons) to help convey meaning, and (11) use appropriate intensifiers to help convey meaning [do not use ALL CAPS or multiple exclamation marks (!!!!)].
- **Academic honesty** in the advancement of knowledge requires that all students and instructors respect the integrity of one another's work and recognize the importance of acknowledging and safeguarding intellectual property. There are many different forms of academic dishonesty. The following kinds of honesty violations and their definitions are not meant to be exhaustive. Rather, they are intended to serve as examples of unacceptable academic conduct.



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- Plagiarism is taking and presenting as one's own writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to "cite a source" correctly, you must ask for help.
- Cheating is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question. Anyone caught cheating or plagiarizing will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the VN Student Handbook more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a commercial term paper service.

IVC Student Resources

IVC wants you to be successful in all aspects of your education. For help, resources, services, and an explanation of policies, visit <http://www.imperial.edu/studentresources> or click the heart icon in Canvas.

Anticipated Class Schedule/Calendar

Week 1				
DATE	ROOM	TIME	DESCRIPTION	ASSIGNMENT
Mon 06/23/2025	2139	0800-1200	Fundamental Foundations of Practice Legal and Ethical Issues of IV Therapy	Chapter #1 Clinical: Hand and arm veins identified LAB: Live vein search Consent for IV
Tues 06/24/2025	2139	0800-1200	Infection Control Measures Administration of local anesthetic	Chapter #2 & Chapter # 7 LAB: Site location, Preparation for local anesthetic, ID/SQ practice pads
Wed 06/25/2025	2139	0800-1200	Equipment Anatomy and Physiology of skin and veins	Chapter #6 Techniques for IV therapy vein access/approach LAB: locate, identify, and access practice arms for site prep. and IV cannula establishment.



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Thurs 06/26/2025	2139	0800-1200	Equipment for IV therapy delivery Administration sets Infusion delivery systems IV Calculations	Chapter # 7 LAB: Equipment set up, troubleshooting, putting it all together. LAB using macrodrip, microdrip, blood, accessory, and pump tubing.
Week 2				
DATE	ROOM	TIME	DESCRIPTION	ASSIGNMENT
Mon 06/30/2025	2139	0800-1200	Fundamentals of Fluid Balance Fundamentals of Electrolyte Balance	Chapter #8 Chapter # 4 IV Fluids and TPN
Tues 07/01/2025	2139	0800-1200	Parenteral Solutions Transfusion Therapy	Chapter# 5 Chapter# 13 Lab: Transfusion Therapy set up and administration simulation
Wed 07/02/2025	2139	0800-1200	Complications of IV Therapy Special considerations for geriatric and pediatric patients	Chapter # 9 Chapter # 10 Lab: Practice skills for complications in IV therapy
Thurs 07/03/2024	Holiday			
Week 3				
DATE	ROOM	TIME	DESCRIPTION	ASSIGNMENT
Mon 07/07/2025	2139	0700-1200	Discussion and Review of IV Therapy practice, procedure, legalities, and complications	LAB: Preparation for final check- off skills evaluation Final Exam



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Tues 07/08/2025	2139	0800-1200	Skills Check off		
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*****Subject to change without prior notice*****