

**PNV 1524
IV Therapy and Pharmacology
Spring Semester**

The information in the [CCC Health Sciences Student Handbook](#) applies to this course, PNV 1728.

Instructor: Janet Johns

Office Location: Allied Health Building
901 Ohio Street
Clarksdale, MS 38614

Office Hours: 8:00-3:30 (M)

Class time(s)/Sections:
Tuesday and Thursday
1:00pm -3pm

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Course Description

This course is designed to provide the student with principles of IV therapy and pharmacology. Principles covered in the course include the administration of medication, administration of IV fluids, and administration of IV medications included in the scope of practice for the practical nurse (PN). The expanded role of IV therapy included in this course is in accordance with the Mississippi Nursing Practice Law and Administrative Code. (4 sch: 3 hr. lecture, 2 hr. lab).

Pre-corequisites

ALL first semester Practical Nursing courses and concurrent registration in PNV 1682 is required. A passing grade in PNV1524 is required in order to progress in the practical nursing program.

Textbook(s) and Material(s)

Booth, K. A. (2008). *Intravenous Therapy for Health Care Personnel*. New York, NY:
McGrawHill.

Cooper, K. & Gosnell, K. (2015). *Foundations of Adult Health Nursing* (7th ed.). St. Louis, MO:
Elsevier.

Manning, L. & Rayfield, S. (2014). *Nursing Made Insanely Easy*. Duluth, GA: I CAN
Publishing, Inc.

Manning, L. & Rayfield, S. (2014). *Pharmacology Made Insanely Easy*. Duluth, GA: I CAN Publishing, Inc.

Vallerand, A. & Sanoski, C. (2014). *Davis's Drug Guide for Nurses* (14th ed.) Philadelphia, PA: F. A. Davis.

ATI: Pharmacology

ATI: Drug Calculation

Student Learning Outcomes

Upon completion of this course, the student will be able to do the following:

Note: This course meets the requirements of the Mississippi Board of Nursing for IV certification.

1. Discuss classifications of drugs with expected outcomes, contraindications, drug interactions, and nursing interventions. LPN 1, LPN 4.
2. Summarize the major legal implications of medication administration and IV therapy. LPN 1, LPN 4
3. Perform calculations needed for medication/IV administration. LPN 1, LPN 4.
4. Administer medications by various routes (enteral, SQ, IM, IV, intradermal, ear, eye, nose, rectum, vagina, and skin). LPN 1, LPN 4, LPN 7, LPN 8.
 - a. Maintain medication safety practices.
 - b. Follow the rights of medication administration.
 - c. Reinforce education to clients regarding medications.
 - d. Evaluate client response to medication.
 - e. Monitor and document client response to pharmacological interventions.
5. Discuss and demonstrate nursing responsibilities in preparation for and during venipuncture for blood collection and IV access to include identifying and locating peripheral veins. LPN 1, LPN 4.
6. Demonstrate understanding of fluid and electrolyte balance and classifications of IV fluids. LPN 1, LPN 4.
7. Initiate, monitor, regulate, and maintain client IV site and flow rate in the clinical or lab settings. LPN 1, LPN 4, LPN 5, LPN 6.
 - a. Discuss and demonstrate nursing care of the client with an IV infusion to include maintaining patency of peripheral IV using a flush solution and assisting the RN with a central venous infusion.

- b. Identify the hazards and complications of IV infusions and nursing interventions.
- c. Report, respond, and record complications of or contraindications to IV therapy.
- d. Monitor transfusion of blood products.
- e. Administer approved IVPB medications.

Attendance/tardiness

Regular class attendance and punctuality are expected. All arrangements for completing missed work are to be made with the instructor. It is the student's responsibility to initiate these arrangements. The number of times a student may be absent can be found in your College Catalog on-line at www.coahomacc.edu and click Health science Section 3. Absences are allowed as follows: One (1) semester hour course – 1 absence; two (2) semester hour course – 2 absences; three (3) semester hour course or higher– 3 absences.

Tardiness is anything past the scheduled class time. Tardies will be recorded in the attendance record. Three tardies count as one day's absence. Refer to the Catalog and Health Science handbook about calling instructors regarding being late for class or clinical.

Refer to the Catalog and Health Science Handbook about excused absences and required documentation on return to class.

Absences greater than those listed above result in the student being dropped from the class.

Absence from Class for School Sanctioned Activities

The nature of the educational programs at Coahoma Community College is such that it is necessary for every student to attend class regularly. Instructors will keep accurate class attendance records, and those records will become part of the student's official record. Regular class attendance and punctuality are expected. All arrangements for completing missed work are to be made with the instructor. It is the student's responsibility to initiate these arrangements. *Excessive absences may result in loss of credit for the course concerned as well as loss of grant refunds and/or financial aid eligibility.* For more information, see the Attendance Policy section in the College Catalog and Health Science Handbook.

Make-up Policy

Exams: Tests must be made up on the first day back for class or at the instructor's discretion.

Assignments: Are due on day assigned. If you are absent, they are due on first day of your return. If you miss a day, it is up to you to get assignment from classmate or instructor. See policy and procedure for rules on late work.

Academic Dishonesty

Cheating and plagiarism (the representation of someone else's work as your own, usually by directly copying or paraphrasing without a reference to the original source) will not be tolerated.

The penalty will be receiving a (0) for that assignment, without any possibility of make-up work or alternative assignments. Additionally, according to the Student Handbook, *such acts will be considered a severe infraction and carry a possible sanction of suspension in semester (s) length or expulsion.* For a more in-depth explanation of academic dishonesty, see the Student Handbook.

Electronic Devices in Class

1. The use of cellular phones, pagers, CD players, radios, and similar devices is prohibited in the classroom, laboratory facilities, and clinical sites.
2. Cellular phones may not be used as calculators.
3. All cell phones will be placed on silent (vibrate mode will be turned off) and placed in a designated container at the front of the room of the classroom prior to the beginning of the class period.
4. Phones may be retrieved at the beginning of a break. However, the policy will apply again once the break is completed.
5. If the student is seen with a cell phone during a test, the student's test will be stopped and a zero given for the test.
6. Audio and video recordings of lecture, laboratory, and clinical sites are prohibited.
7. Students whose electrical devices disrupt class may be asked to leave class, marked absent and will not be permitted to return for the session.

Non-Discrimination/Disability Policy

Notice of Non-discrimination. Coahoma Community College is an equal opportunity institution in accordance with civil rights and does not discriminate on the basis of race, color, national origin, sex, disability, age, or other factors prohibited by law in any of its educational programs, activities and employment opportunities. The following person has been designated to handle inquiries regarding the nondiscrimination policies: Michael Houston, Director of Human Resources/Coordinator for 504/ADA, Title IX Compliance Officer, Office #A100, Vivian M. Presley Administration Building, (662) 621-4853, mhouston@coahomacc.edu.

Accommodations for Students with Disabilities. Coahoma Community College is committed to ensuring equal access to an education for enrolled or admitted students who have verified disabilities under Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 (ADA). College policy calls for reasonable accommodations to be made for eligible students with verified disabilities on an individual and flexible basis.

Any student enrolling in Coahoma Community College with a documented disability, who requests accommodations, must first provide a current evaluation of the disability from a medical professional. This documentation, which is required by federal guidelines, will remain on file in the office of Michael Houston; Coordinator for Section 504/ADA, Title IX; 3240 Friars Point Road; Clarksdale, MS 38614; Telephone # (662) 621-4853; Email: mhouston@coahomacc.edu; Office #A100, Vivian M. Presley Administrative Building.

Instructional Techniques

Lecture
Discussion
Demonstration
Practice
Student Presentation, Feedback and Reports
Lab

Resources

Dry Erase Board
VCR/DVD/TV
Computer/ Projector
Handouts
Textbook
Internet
Printer
E-book

Method(s) of Evaluation

Unit Tests = 87% of Final Grade
Daily Grades = 3% of Final Grade
Final Tests = 10% of Final Grade
TOTAL 100%

Laboratory = Pass/Fail

A student must pass Laboratory and score at least 80% in PNV 1524 to progress in the program.

Grade Scale

Coahoma Community College changed from the 3.0 system to the 4.0 system effective, September, 1974. Practical Nursing students progress is evaluated according to the following grading system as mandated by the state.

GRADE	SCALE	QUALITY POINTS
A – Excellent	94-100	4.0
B – Good	87 - 93	3.0
C – Average	80 - 86	2.0
D – Poor	70 -79	1.0
F – Failure	69 or below	0.0

Passing for practical nursing students is 80% or above. In addition to the 80% in class, the student must pass the laboratory and clinical skills. Below 80% will prevent the student from progressing to the next class.

To be in good academic standing, students are required to maintain a cumulative 2.0 average on the 4.0 system. Each grade reported as having been earned by the student at the end of a semester

or summer term will be included in computing the cumulative grade point average. The student should observe that the grade “F” carries zero quality points and will be included in the computation. For more information on the Coahoma Community College Grade Scale, students should see the College Catalog.