



South Central College

ICP 1020 Pharmacology For EMS

Course Outcome Summary

Course Information

Description	The intent of this course is to introduce the student to basic pharmacological concepts, principles of drug safety and basic drug categories. Legal aspects of drug administration, drug standards, and use of reference material will be included. Specialized medications utilized in ALS transports will also be discussed. This course will have a primary focus on specific drugs used by paramedics.
Total Credits	3
Total Hours	64

Types of Instruction

Instruction Type

Credits/Hours

Classroom Presentation

On-Campus Lab

Pre/Corequisites

Admission into the Paramedic Program. All Classes must be taken in sequence.

Institutional Core Competencies

Communication - Students will be able to demonstrate appropriate and effective interactions with others to achieve their personal, academic, and professional objectives.

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

Course Competencies

- 1. Integrate pathophysiological principles of pharmacology and the assessment findings to formulate a field impression and implement a pharmacologic management plan.**

Learning Objectives

Assess the pathophysiology of a patient's condition by identifying classifications of drugs

Integrate pathophysiological principles of pharmacology with patient assessment.

Given a scenario, differentiate the and administer the appropriate medication based on the field impression.

- 2. Use universal precautions and body substance isolation (BSI) procedures during medication**

administration.

Learning Objectives

Demonstrate universal precautions and body substance isolation (BSI).
Demonstrate proper handling and disposal of sharps and unused medications.

3. Demonstrate administration of oral medications.

Learning Objectives

List indications and contraindications of oral medications.
Given a scenario, select and administer the appropriate oral medication.

4. Demonstrate administration of medications by the inhalation route.

Learning Objectives

List indications and contraindications of medications administered via inhalation.
Given a scenario, select and administer the appropriate inhalation drug.

5. Demonstrate administration of medications by the gastric tube.

Learning Objectives

List indications and contraindications of medications administered via NG tube.
Given a scenario, select and administer the appropriate medication via NG tube.

6. Demonstrate preparation and administration of parenteral medications.

Learning Objectives

List indications and contraindications of medications administered by parents.
Given a scenario, select and administer the appropriate parenteral medication.

7. Demonstrate preparation and techniques for obtaining a blood sample.

Learning Objectives

List indications and contraindications for drawing a blood sample.
Demonstrate appropriate BSI

8. Demonstrate accurate calculations in medication administration.

Learning Objectives

Given a scenario, integrate pharmacological principles to select the appropriate drugs and dosage.
Given a scenario, demonstrate the administration of the appropriate drug and dose.

9. Demonstrate accurate calculations in continuous infusion medication administration.

Learning Objectives

Given a scenario, integrate pharmacological principles to select the appropriate drugs for infusion.
Given a scenario, demonstrate the administration of the appropriate infusion and dose.

SCC Accessibility Statement

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: www.southcentral.edu/disability

This material can be made available in alternative formats by contacting the Academic Support Center at 507-389-7222.