

COURSE OUTCOME MATRIX COURSE SYLLABUS PART 2 of 3

Course Number and Title	EM 114 Pre-Hospital Pharmacology
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Credit Hours	3
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Course Description	A study of specific medications used in the pre-hospital setting will be the focus of this section. The student will be introduced to pharmacokinetics, pharmacodynamics, drug calculations and administration. Often used and prescribed medication(s)/OTC's will be researched and investigated.
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Prerequisite(s) and/or Corequisite(s)	
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REQUIRED TEXTBOOKS/REFERENCES/COURSE MATERIALS

Nancy Caroline's Emergency Care in the Streets, Flipped Classroom	1st	AAOS	Jones & Bartlett Publishing	1284180638
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General Education Outcomes	
1	Utilize written and verbal language to discuss and comprehend information, incorporating a variety of technologies, such as text, data, and images (written language, verbal language, and information technology).
2	Identify and interpret relevant information in order to formulate an opinion or conclusion (critical thinking).
3	Demonstrate and communicate computational methods and mathematical reasoning in a variety of formats (using words, tables, graphs, mathematical equations, etc., as appropriate) (quantitative literacy and fluency).
4	Communicate in appropriate ways with those who are culturally diverse (intercultural competence).

Program/Department Outcomes	
1	To prepare competent entry-level Paramedics in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains with or without exit points at the Advanced Emergency Medical Technician and/or Emergency Medical Technician, and/or Emergency Medical Responder levels.

	Course Outcomes (CO) EM 114 Pre-Hospital Pharmacology	Bloom's Domain for CO (C, A, P), Category, and Level	Program/ Department Outcome(s)	Written Language	Verbal Language	Information Technology	Critical Thinking	Quantitative Literacy and Fluency	Intercultural Competence
1	Discuss pharmacokinetics and pharmacodynamics of drugs	A-Responding to Phenomena-2	1	1	1	1	1	1	1
2	Differentiate among Schedule I, II, III, IV, and V substances	A-Valuing-3	1	1	1	1	2	1	1
3	List and describe general properties of drugs	C-Remembering-1	1	2	1	1	1	1	1
4	Describe various routes of medication delivery	C-Remembering-1	1	1	1	1	1	1	1
5	Discuss the phases of drug activity, including the pharmaceutical, pharmacokinetic, and pharmacodynamic phases	A-Responding to Phenomena-2	1	1	1	1	1	1	1
6	Identify components of drug storage and security	A-Responding to Phenomena-2	1	1	1	1	2	1	1
7	Describe how drugs are classified	A-Receiving Phenomena-1	1	2	1	1	1	2	1
8	Choose the appropriate pharmacological intervention based on patient complaint	A-Receiving Phenomena-1	1	1	1	1	2	1	1
9	Discuss the classifications of medications and the mechanism of action for each	A-Responding to Phenomena-2	1	1	1	1	1	1	1
10	Explain the effects of medications on the body	A-Valuing-3	1	1	1	1	2	1	1

Bloom's Domain Legend

C = Cognitive
A = Affective
P = Psychomotor

General Education Outcome Legend

2 = Included and Measurable
1 = Introduced and/or Minimally Addressed and Not Measurable
0 = Not included

Approved: May 2021
Reviewed: October 29, 2021