

North Central

MICHIGAN COLLEGE

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NCMC MASTER COURSE SYLLABUS

Last Date Revised: 2/18/04

DIVISION/AREA: DEPARTMENT: EMS/Allied Health
DIVISION DIRECTOR: ORIGINATOR: Larry Hansen
DEAN OF INSTRUCTION: Timothy Dykstra, Ph.D.
TOTAL HOURS OF INSTRUCTION: LECTURE: LAB: TOTAL CONTACT HOURS:
COURSE NUMBER: AH 230 CREDIT HOURS:
COURSE TITLE: EMS Pharmacology
TRANSFERABLE YES NO TO:
PREREQUISITE(S)/COREQUISITE(S)/ADVISORY: Completion of first -year of paramedic courses.

CATALOG DESCRIPTION: This course is designed to prepare the EMT-Paramedic candidate to understand the specific actions of assorted pharmacological agents so they may be administered effectively in the management of various medical and traumatic emergencies. General information on pharmacological agents including common terminology, pharmacokinetics and pharmacodynamics, and routes of administration will be addressed. Specific information on cardiovascular agents will be discussed in extensive detail. A review of the metric system and basic drug calculations will also be covered

GENERAL EDUCATION OUTCOMES: Think critically and analytically. Independently acquire knowledge.

COURSE OBJECTIVES & OUTCOMES: Meets National Registry and MDCIS outcomes.

METHODS OF INSTRUCTION: Lecture, discussion, case studies.

METHODS OF EVALUATION: Quizzes, exams, dosage calculations

REQUIRED TEXTS: Brady's Prehospital Emergency Pharmacology, 5th Edition
Paramedic Care: Principles and Practice, Volume 1
Companion Web site : <http://www.prenhall.com/paramedic/>

OPTIONAL SUPPLEMENTARY MATERIALS:

Reasonable accommodations may be provided for students with documented physical, sensory, cognitive, systemic, and/or psychiatric disabilities. Please contact the Education Opportunity Program (EOP) at (231) 348-6687 to arrange services for this course.

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TIME ALLOWANCE AND SEQUENCE OF INSTRUCTION:

Week 1	Terminology
Week 2	Pharmakinetetics and pharmacodynamics
Week 3	Pharmakinetetics and pharmacodynamics
Week 4	Pharmakinetetics and pharmacodynamics
Week 5	Metric System and Common Routes of Administration
Week 6	Doseage Calculation
Week 7	Doseage Calculation
Week 8	Doseage Calculation
Week 9	Dosage Calculation
Week 10	Cardiovascular Agents
Week 11	Cardiovascular Agents
Week 12	Cardiovascular Agents
Week 13	Cardiovascular Agents
Week 14	Cardiovascular Agents
Week 15	Cardiovascular Agents
Week 16	Cardiovascular Agents

APPROVED FOR ADOPTION BY THE CRD/AP COMMITTEE ON ____3/15/04____