

# North Central MICHIGAN COLLEGE

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## NCMC MASTER COURSE SYLLABUS

Last Date Revised: 1/17/05

DIVISION/AREA: DEPARTMENT: Allied Health  
DIVISION DIRECTOR: ORIGINATOR: EMS Faculty  
DEAN OF INSTRUCTION: Timothy Dykstra, Ph.D.  
TOTAL HOURS OF INSTRUCTION: LECTURE: LAB: TOTAL CONTACT HOURS:  
COURSE NUMBER: AH 235 CREDIT HOURS:  
COURSE TITLE: Anatomy and Physiology and Pathophysiology for the Paramedic  
TRANSFERABLE YES NO TO:  
PREREQUISITE(S)/COREQUISITE(S)/ADVISORY: None  
CATALOG DESCRIPTION: A gross and comprehensive overview of anatomy and physiology and pathophysiology of the major body systems following the 1999 National Standard Curriculum for EMT-Paramedics. Meets prerequisite requirements for the paramedic certificate program. This is a non-lab course and does not fulfill requirements for the AAS Degree in Nursing or Paramedic.  
GENERAL EDUCATION OUTCOMES: Think critically and analytically.  
COURSE OBJECTIVES & OUTCOMES: See <http://www.nhtsa.dot.gov/people/injury/ems/nsc.htm>  
METHODS OF INSTRUCTION: Lecture, discussion, class exercises, videos.  
METHODS OF EVALUATION: Written exams and quizzes  
REQUIRED TEXTS:  
Functional Anatomy and Physiology Text for EMS Students  
OPTIONAL SUPPLEMENTARY MATERIALS: N/A

Reasonable accommodations may be provided for students with documented physical, sensory, cognitive, systemic, and/or psychiatric disabilities. Please contact Learning Support Services at 231-348-6682 to arrange services for this course.

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## NCMC MASTER COURSE SYLLABUS TIME ALLOWANCE AND SEQUENCE OF INSTRUCTION:

HOURS	CONTENT
3	Informational Session and Program Overview
7	Introduction to Structural Units Chemistry of Living Things Cells Tissues and Membranes
4	Integumentary System
4.5	Skeletal System
4.5	Muscular System
4	Brain and Central Nervous System
7	Brain and Central Nervous System
4	Peripheral and Autonomic Nervous Systems
4.5	Heart
4.5	Circulation and Blood Vessels
4	Respiratory System
4.5	Respiratory System
4.5	Digestive System
4	Nutrition
8	Urinary System
4	Reproductive System
7	Endocrine System
6	Reproductive System
2	Genetics and Genetically Linked Diseases
3	Blood
4	Lymphatics and Immunity
3	Special Senses

APPROVED FOR ADOPTION BY THE CRD/AP COMMITTEE ON: 1/17/05