

North Central **Michigan College**

NCMC MASTER COURSE SYLLABUS: 2001-2003

DIVISION/AREA: Sciences, Health and Human Services DEPARTMENT: Allied Health

AREA DEAN: Dr. Timothy Dykstra ORIGINATOR: Larry Hansen

TOTAL HOURS OF INSTRUCTION: Lecture: 8 Lab: 2 Total Contact Hours: (133)

COURSE NUMBER: AH 203/AH 204 CREDIT HOURS: 10

COURSE TITLE: Advanced Paramedic I and Advanced Paramedic I Practicum

PREREQUISITE(S)/COREQUISITE(S)/ADVISORY:

Successful progression in the Paramedic Program; or Basic EMT license and permission of EMS Program Coordinator

CATALOG DESCRIPTION:

AH 203:

This advanced EMT course is designed to prepare the student to pass the State Board for A-EMT in the state of Michigan. The course will cover all aspects of pre-hospital care to include medical emergencies, traumatic injuries, cardiac, psychiatric, geriatric, and pediatric emergencies and pharmacology. Students will be required to participate in both didactic and clinical settings for successful completion of the course. This course will require a minimum of two Saturday classes in addition to the regularly scheduled weekday classes.

AH 204:

This class is the clinical portion of AH 203. The clinical portion of this advanced EMT course is designed to prepare the student to pass the practical portion of the State Board for A-EMT in the State of Michigan. The course will cover care of patients in the pre-hospital setting and will include care of medical emergencies, traumatic injuries, cardiac, psychiatric, geriatric, and pediatric emergencies and pharmacology in both the pre-hospital settings. Students will be required to attend 125 hours of clinical time for successful completion of the course. Co-requisite: AH 203

COURSE TITLE AND NUMBER: AH 203/AH 204 Advanced Paramedic I and Advanced Paramedic I Practicum

COURSE OBJECTIVES & OUTCOMES:

Students will meet classroom and clinical objectives as outlined in the MDCIS educational requirements.

METHODS OF INSTRUCTION

Lecture, laboratory, skills demonstration and return demonstration, case studies. Clinical practicum.

METHODS OF EVALUATION:

Written examination

Practical assessments (Pass/Fail only)

Quizzes

Case Studies

REQUIRED TEXTS: (Representative List)

Paramedic Emergency Care, 6th ed. , Brady

Rapid Interpretation of EKG's

Dosages and Solutions, Brady

MCDIS Manual, providing lesson outlines, tasks, and objectives

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:

Hours		Topic
Didactic	Practicum	
4	0	Introduction : Role of the Paramedic
4	0	Medical Legal Issues EMS System Operations
2	2	Basic patient assessment
2	2	Assessment of the medical patient
2	2	Assessment of the trauma patient
4	0	Communications
2	2	Patient assessment -prioritized
2	2	Patient assessment- special considerations. Stress management.
4	4	Triage A/P Respiratory system
4	0	Respiratory Emergencies, Pathology
4	1	Respiratory Emergencies, Chest Injuries
0	4	Basic Airway
4	0	Acid-Base Balance
2	2	Respiratory/IV Therapy
3	5	Advanced Airway Managment
5	2	Shock/MAST
6	2	IV Therapy: Fluids and Electrolytes, Techniques
2	2	Central Lines
2	6	IV Therapy Practical; I/O; External Jugular
22	2	Cardiovascular: A/P; EKG Interpretation; Sinus and Atrial Rhythm; Ventricular Rhythms;AV Block; Paced Rhythms; V-Fib; V-tach
16	6	Pharmacology : Intro to, Laws and Terminology; Math Calculations; Drug Administration; Epinephrine, Atropine, Lidocaine; Bretylium, Dopamine.

APPROVED FOR ADOPTION BY CRD/AP COMMITTEE ON _____