Course number, title and credits; total time allocation

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Credits</th>
<th>Title</th>
<th>Lecture/Discussion</th>
<th>Lab</th>
<th>Clinical</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 113</td>
<td>5</td>
<td>Medical First Responder</td>
<td>50 hrs/semester</td>
<td>50  hrs/semester</td>
<td></td>
</tr>
</tbody>
</table>

Catalog description and Pre- and Co-requisites (Same as taxonomy and catalog)

The Medical First Responder course (MFR) is a 64 hours lecture, lab, and practical based emergency medical education program in a wide variety of medical and trauma settings. This level of education is the first level of licensure that the State of Michigan recognizes for a professional emergency healthcare provider.

The scope of practice is typically utilized by rural Fire Departments, Police and Security agencies, industrial plant workers, lifeguards, search and rescue teams, along with private and public school personnel.

Prerequisites: None

Knowledge, skills and abilities Students Acquire from this Course (Educational Objectives)

Upon complete of this course, students should demonstrate appropriate knowledge and understanding of the following:

- The duties and responsibilities of an MFR.
- The medical terms, abbreviations, and symbols commonly used in the EMS field.
- Knowledge of the anatomy and physiology of the human body.
- Able to administer CPR and First Aid; trauma care; patient assessment; IV maintenance
- Knowledge of the ambulance operations

Associate Degree Outcomes Addressed in this Course (These must appear in course syllabus)

N/A

Units/topics of Instruction

- Medical/Legal issues; patient vitals; airway; patient assessment; scene size-up; poisoning/overdose emergencies; allergic reactions; etc.
- Dissection Lab (heart and lung)
- Operational processes of EMS team members

Instructional Techniques and Procedures

Lecture, collaborative discussions, lab competency skills, electronic communication.

Instructional Use of Computer or Other Technology

Students will be required to complete assigned tasks/assignments/quizzes utilizing computer based application per instructor discretion. Student should possess basic level computer application knowledge and/or skills.

Instructional Materials and Costs to Students

Text books: Anatomy & Physiology for Emergency Care (Martini) - $93.00

Course fee - $70

Skills and abilities students should bring to the course

<table>
<thead>
<tr>
<th>Able to read</th>
<th></th>
<th>Able to compute</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a limited amount of material</td>
<td>☐</td>
<td>basic, pre-algebraic problems</td>
<td>☐</td>
</tr>
<tr>
<td>an average amount of material</td>
<td>☑</td>
<td>simple algebraic problems</td>
<td>☐</td>
</tr>
<tr>
<td>an above average amount of material</td>
<td>☐</td>
<td>higher order mathematical problems</td>
<td>☐</td>
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</table>

<table>
<thead>
<tr>
<th>Able to read</th>
<th></th>
<th>Able to write</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>relatively easy material</td>
<td>☐</td>
<td>short compositions</td>
<td>☐</td>
</tr>
<tr>
<td>moderately difficult material</td>
<td>☑</td>
<td>medium length compositions</td>
<td>☐</td>
</tr>
<tr>
<td>technical or sophisticated material</td>
<td>☐</td>
<td>lengthy compositions</td>
<td>☐</td>
</tr>
</tbody>
</table>

Able to use

- ☑ keyboard skills/familiar with computer application
- ☐ Other necessary
The course is usually scheduled

Day: □ Fall □ Winter □ Spring

Evening: ☑ Fall ☑ Winter ☑ Spring

Prepared by Marla K. Clark  Date 10-27-10
Approved by Dept.  Date
Approved by Dean  Date
Approved by Curriculum Committee  Date

(last names, please)