

**Jackson College  
Emergency Medical Services Department  
Paramedic Technology: Paramedic Skills Lab I  
EMS 161, Fall 2016**



**Instructor:** Paul Lacinski, EMT-P IC  
**Email:** firemed133@yahoo.com  
**Phone:**

**Lab Assistants:** Kayla Riggs, EMT-P

**Class Days/Times:** Tuesday 08:00am-12:15pm (Lab)

**Classroom:** HLC 211

**Total Credits:** 2 credit hours

**This course is approved by the MDCH Program Approval Number: P-10-0015**

### **Course Description**

This course is designed to provide the paramedic student with the skills as prescribed by the Michigan Department of Community Health (MDCH) for the paramedic curriculum. This course includes skill practice and scenarios (both computer and classroom).

### **Course Goals**

The EMT-Paramedic represents the highest level of skills in the emergency medical system. Formal classroom experiences are enhanced with combined time in an emergency room, on an ambulance, as well as other specialty training opportunities including airway management in the operating room. Coursework typically emphasizes emergency skills such as managing respiratory, trauma, and cardiac emergencies. The program reviews all material covered in EMT-Basic and includes more advanced training in acid-base balance, intravenous access and maintenance, pharmacology, cardiology and advanced airway management.

### **Course Prerequisite**

- Department approval
- Concurrent enrollment in EMS 160, 162, 163, 164, and 166
- **BIO 155 or BIO 253 & BIO 254 or BIO132 & MOA/LPN 141 (must be completed before end of program)**

### **Course Objectives**

**At the completion of this program you should be able to:**

1. To provide students with the psychomotor and cognitive skills necessary to become competent entry-level paramedics.
2. To develop and foster behaviors attributes, and attitudes of a professional in the field of emergency care.
3. Apply principles of anatomy, physiology, pathophysiology, life-span development, and therapeutic communications to the assessment and management of patients.

### **Jackson College Education Goals**

The course goals and objectives incorporate specific Associate Degree Outcomes (ADOs) established by the JC Board of Trustees, administration, and faculty. These goals are in concert with four-year colleges, universities, and reflect input from the professional communities we serve. ADOs guarantee students achieve goals necessary for graduation credit, transferability, and professional skills needed in many certification programs.

### **Course ADOs**

This course utilizes Ado 9: Working in Small Groups-Developing. As a Paramedic candidate the utilization of team work is an everyday necessity. One must be able to recognize that most EMS agencies utilize small groups to handle the daily activities of a paramedic. This course measures the ability to work in small groups through an affective behavior domain evaluation as noted below.

### **Required Texts**

- *JC EMS Paramedic Skills Manual*
- *Paramedic Care Principles & Practice 4<sup>th</sup> Edition (Volume 1-7)*
- *Advanced Cardiac Life Support Provider Manual (2010 Guidelines)*
- *Basic Arrhythmias, 7<sup>th</sup> Edition: Gail Walraven*
- *Prehospital Emergency Pharmacology (PEP), 7<sup>th</sup> Edition*

### **Suggested Texts**

- EMS Field Guide, Advanced or Critical Care version
- Medical Dictionary
- Nursing Drug Guide

### **Equipment and Uniforms**

- Paramedic shirt available through JC bookstore (Maroon in color)
- Navy blue EMS slacks
- Black polishable shoes
- Black belt
- Watch (with second hand)
- Navy jacket (no logo) for clinical/internship and classroom use (no other jackets will be allowed)
- JC Student ID badge is required to be worn clipped on the shirt or worn on a lanyard during class (lanyards not allowed on clinical/internship)
- Protective eye wear
- Stethoscope (optional)
- Blood Pressure Cuff (optional)

### **Tardiness**

Any student missing more than 5 minutes, but less than  $\frac{1}{4}$  of the class period will be considered tardy. First tardy will result in a verbal warning. Second tardy will result in a written warning. At the third infraction, a full absence will be incurred. Chronic tardy or absence could prevent the student from a completion certificate and grounds for removal from the program. Any missing time will be recorded and counted towards the student's attendance.

### **Attendance**

There are NO excused absences in this program. Due to the practically oriented nature of this program, as well as the repetition necessary to develop high quality patient care skills, minimal hour requirements are set forth by the MDCH program objectives. Any student missing more than 6 HOURS total, in EMS 161, will be dismissed from the Paramedic Program and will not be eligible for the MDCH course completion roster.

### **Jackson College program requirements for recommendation for the MDCH completion roster**

- Students must obtain an 80% or better as an overall class grade in each EMS course.
- Obtain at least a 75% on the final exam at the end of each course.
- Students must successfully complete all practical exams for the course.

- Students must successfully complete all required clinical hours, including hospital specialties and ambulance internship compliant with current contracts.
- Students must show professional growth within the affective learning domain.
- Students must meet the minimum required hours for both classroom and clinical as set forth by the JC Program.

### **Affective Domain Evaluations**

Periodically through the clinical rotations and during class, the students will be subject to evaluation via the affective domain. This includes attitude, empathy, and overall professionalism. Any student receiving an overall negative affective domain evaluation will be given a written warning and the instructor will schedule a meeting to review the form with the course coordinator and student. Steps for corrective action will be documented. This will result in possible disciplinary action up to and/or including dismissal from the rotation or program. During the scheduled time for review, the student will be removed from clinical rotations.

### **Lab Skills Exam Grading**

Students are required to pass all skill lab assessments with 100% accuracy. Lab skill exams (midterm and final) are based on the first attempt at a skill testing station. Students will be allowed a second attempt at the skill station if they fail the first attempt. If the student fails the second attempt at the skill station the student will fail the lab skills exam and therefore, the lab course unless deemed otherwise by the program director. This policy applies to all lab practical exams. Lab courses are graded with a final grade of "P" for Pass or "F" for Fail based on performance in the coursework. No letter grade is normally assigned for skills courses due to the nature of the class.

### **Class Participation**

The successful paramedic candidate will actively participate in all aspects of the skills lab class; students that do not participate in class activities will be asked to leave the lab environment, at the instructor's discretion, and must meet with the Primary Instructor before being allowed to return to class.

### **Method of Instruction**

Any combination or all of the following: Lecture, handouts, class assignments, computer screen-projections, demonstrations, hands-on lab projects, recitation, frequent quizzing, group work, DVD/video tapes, case studies, field trips, simulation, computer- distance learning through Jet Net, and other projects.

### **Classroom Command System**

Each EMS course at Jackson College utilizes a strict internal structure to ensure a smooth day to day operation. Each EMS student plays an important role within this internal structure. Over the course of a semester each student will have the opportunity to operate as a leader within the classroom. Roles include Squad Member, Squad Leader, and Classroom Commander. Each position allows for students to aid in the learning of their fellow classmates. Each leadership role has a clear outline of the job description and requirement to hold a leadership positions (see job descriptions). Students may be removed from their leadership position due to any violation in the code of conduct (see EMS Handbook). In order for students to be successful EMS providers we must practice as we will perform in the field.

### **Paramedic Skills Portfolio**

With each topic are for lab student will be expected to demonstrate competency in skills taught in class. It is important to remember that to gain competency there is no set number of attempts, on number of successful attempts. For some students it may take additional attempts to be able to demonstrate successful completions of assigned skills.

For this course students are combined in squads, it is the goal of each squad to successfully aid each member to reach the level of competency in all skills taught and performed in the laboratory setting before the completion of the semester. The squad will **NOT** continue on until all members are competent in assigned skills. It is also important to recognize classroom time is limited. If students are unable to demonstrate competency within the allotted classroom time, it becomes the student's responsibility to demonstrate and document competency during open lab hours. See the competency procedure below.

1. Students are presented with new laboratory skill
2. Skill is demonstrated by Laboratory Instructor and skill is explained in detail
3. Squad member assemble and begin perform and practice newly learned skill
4. Once all squad members feel comfortable with newly learned skill, members may begin to evaluate each members performance utilizing NREMT skill sheet from the Lab Skills Portfolio
5. All squad members must complete a minimum of two skill sheets with a score of 100%.
6. Once all members have successfully completed the skill performance evaluation squad member may be tested individual with a lab instructor to demonstrate competency for the specific skill.

**IMPORTANT NOTE: IF ANY MEMBER OF THE SQUAD FAILS TO DEMONSTRATE COMPETENCY ALL SQUAD MEMBERS MUST REPEAT THE ABOVE PROCESS BEFORE ADVANCING TO DEMONSTRATE A NEW SKILL.**

### **Platinum Testing**

The students will be issued authority to use the EMSCAT. Students may not in any way cut and paste, copy or reproduce the test questions. This is a copyright infringement. Students found reproducing this test material will be immediately dismissed from the program and their information will be turned over to legal affairs and to the Platinum Education Group.

See academic honesty policy [http://www.jccmi.edu/administration/deans/Student\\_Resources.htm](http://www.jccmi.edu/administration/deans/Student_Resources.htm)

Test materials may be generated from any validated source or may be written by the JC EMS program and validated against the National Curriculum. Platinum quizzes and tests are monitored by the instructors. You are only allowed to access the quizzes/tests that you have been cleared to take.

### **Students with Disabilities**

If there is a student in this class with a special need because of learning, physical, or other disability, contact the instructor(s) and Student Services immediately.

*“Students with disabilities who believe that they may need accommodations in this class are encouraged to contact the office of Learning Support Services at 787-0800, extension 8270/8553 as soon as possible to ensure that such accommodations are implemented in a timely fashion.”*

National Registry ADA Policy Link: [www.nremt.org/nremt/about/policy\\_accommodations.asp](http://www.nremt.org/nremt/about/policy_accommodations.asp)

JC Disclosure Policy: JC adheres to FERPA <http://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html>

### **Changes in Syllabus**

Schedule and course outline may change due to weather, illness, or extreme circumstance. Students will be notified in writing if course outline will change.

**This syllabus may be adjusted at any time if the instructor(s) or Course Coordinator deems it necessary.**

<b>Week</b>	<b>Date</b>	<b>Topic</b>
<b>1</b>	9/6/2016	Lab Orientation, Lab Rules/Conduct , Fit Testing, BLS Airway Management, & Patient Assessment drills
<b>2</b>	9/13/2016	Patient Assessment drills, BLS Medical scenarios (1 per candidate, with completed run form for records); Traction Splints, LBB
<b>3</b>	9/20/2016	Patient Assessment drills, BLS Trauma scenarios (1 per candidate, with completed run form for records)
<b>4</b>	9/27/2016	Review BLS Airway, Airway Techniques, ET Adult & Pediatric
<b>5</b>	10/4/2016	Airway Intubations( EGTA, LMA, & other Advanced Airways), Chest Decompression, & Cricothyrotomy
<b>6</b>	10/11/2016	Venous Access
<b>7</b>	10/18/2016	Venous Access, & Blood Drawl
<b>8</b>	10/25/2016	<b>Midterm Practical Exam - Skills Evaluation:</b> Ventilatory Management – Adult, Intravenous Therapy, IV Bolus Medication, SQ Injection, IM Injection, & Combitube
<b>9</b>	11/1/2016	Cardiology Rhythm Interpretations & Cardiac Electrotherapy
<b>10</b>	11/8/2016	IV Practice, Venous Access (Adult IV's), Medication Administration
<b>11</b>	11/15/2016	Drug Calculations & Medication Administration IV
<b>12</b>	11/22/2016	IV, Medication Practice
<b>13</b>	11/29/2016	Scenarios, Pediatrics, Cardiology - Pediatric rhythms, modifications, IV/IO Access Pediatrics
<b>14</b>	12/6/2016	Megacode Introduction, Algorhythms & Scenarios, Practice on Medication/Drug Calculations
<b>15</b>	12/13/2016	<b>Final Practical Exam</b> – IV Therapy, IV Bolus Medication, Pediatric Ventilatory Management, Ventilatory Management – Adult, Pleural Decompression, Needle cricothyrotomy, Trauma Assessment