

MOHAWK VALLEY COMMUNITY COLLEGE  
Center for Life and Health Sciences  
Allied Health

EM200  
Emergency Medical Services/Paramedic 1  
Fall 2011

Instructors

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<b>Course Number</b>	EM200
<b>Course Title</b>	Emergency Medical Services/Paramedic 1
<b>Credit Hours</b>	C-6, P-12, Cr-12
<b>Prerequisite</b>	Current NYS Emergency Medicine Technician-Basic Certification
<b>Placement</b>	Fall Semester

### **Course Description**

This course is an introduction to understanding the role and responsibilities of an EMS/Paramedic. Paramedic students participate in classroom lecture, skills lab(s), and clinical training and education that prepares them to provide medically competent and correct advanced life support treatment of the critically ill and injured, using sound medical judgment.

### **Student Learning Outcomes**

Upon successful completion of this course, the student will be able to:

- demonstrate an understanding of the roles and responsibilities of an EMS/Paramedic within an EMS system.
- apply the basic concepts of development, pathophysiology, and pharmacology to assessment and management of emergency patients.
- demonstrate the ability to safely administer medications and access the venous circulation.
- communicate effectively with patients.
- integrate the implementation of primary injury prevention activities as an effective way to reduce death, disabilities and health care costs.
- Demonstrate an understanding the legal and ethical issues that impact decisions made in the out-of-hospital environment.
- integrate the physiological, psychological, and sociological changes throughout human development with assessment and communication strategies for patients of all ages.
- establish and/or maintain a patent airway, oxygenate, and ventilate a patient.
- obtain a proper medical history from a patient.
- perform a comprehensive physical exam on any patient.
- integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with shock or hemorrhage, soft tissue trauma, burn injury, suspected head injury, spinal injury, thoracic injury, abdominal trauma, and/or musculoskeletal injury.

### **Disclaimer Statement**

The content of this syllabus is subject to change at the discretion of the course instructors.

### **Policy on Academic Integrity from the College Handbook**

The College is committed to a spirit of intellectual inquiry rooted in the ethical behavior of its participants. This means that certain acts, which affect the integrity of learning, are not permissible. Engaging in dishonest or unethical behavior may result in disciplinary action taken against the student by the instructor, department head, or other appropriate College official.

The following are examples, but not the full range of prohibited behavior in the classroom, studio, laboratory, library, computer labs, internship sites or other college learning sites. Students are not permitted to:

- Ask for, give or receive help during tests, examinations, or quizzes or other evaluations without permission of the instructor;
- Utilize books, papers, computer-based media or other materials and equipment during tests, examinations, quizzes or other evaluations without permission of the instructor.
- Engage in plagiarism by submitting or using as their own another person's research, oral, written or computer-based or creative work. All sources of material must be credited.
- Use another person's data, solutions, ideas, computer account or calculations without the appropriate authorized permission from the instructor;
- Inappropriately use computers, the Internet; Steal, mutilate, alter or deface library materials, computer-based media or other academic materials;
- Illegally copy materials (print, audio-visual or computer-based media) that are protected under provisions of the copyright laws of the United States or foreign countries.

NOTE: MVCC complies with Federal regulations with regard to nondiscrimination and equal opportunities for the person with disabilities. Portions of this policy will be waived to meet those regulations as stated in Section 504 of the Rehabilitation Act of 1973.

- Students are expected to contact the instructor with any information pertinent to success in this class. Please read the Disabilities Statement located in under Institution Services in the College catalog and on the MVCC Blackboard Welcome Page. I would appreciate hearing from anyone in the class who has any type of disability (e.g., physical, learning, psychiatric, vision, hearing, etc.), which may require some special accommodation. Please see me during my office hours so that we can discuss your needs. Before services or arrangements can begin, you must also contact Lynn Igoe, Coordinator of Disability Services, 792-5413 (Voice or TTY), or Tamara Mariotti, the Learning and Assistive Technology Specialist, at 731-5702; both are located in Room 153 of the Academic Building on the Utica Campus. **(For classes on the Rome Campus, the contact person is Michael Badolato, PC A30, 334-7718).** They are the staff members who review your documentation, determine eligibility for accommodations, and help determine what those accommodations will be.

### **Sustainability Statement**

Mohawk Valley Community College is committed to development and implementation of a comprehensive sustainability plan. To that end, we are beginning by asking students, faculty, and staff to actively participate in energy conservation measures and proper recycling on campus. The blue bins located in classrooms, and offices are for paper and paper products only. All plastic, metal and glass containers should be placed in the proper recycling bins located in the hallways. Please remember to empty them before depositing them. Any materials that cannot be recycled should be placed in garbage cans. It is also important to turn off lights and computers when leaving a room. Together we can make an impact on conserving our resources. Remember to reduce, reuse and recycle!

## **Methods of Learning**

Lecture/discussion  
Demonstration  
Individual instruction  
Individual conferences  
Instructor's supplemental materials  
Internet and computer aided instruction  
Scenarios

## **Requirements**

- Students will receive a course syllabus indicating content and student learning outcomes of the course.
- As mandated by the New York State Department of Health, attendance is required for all sessions of the EMS/Paramedic Program.
- If a student has a legitimate conflict with a scheduled class session, the student shall contact the Instructors prior to the start of the class to make arrangements to make up the missed class.
- In the event of an emergency absence, the student shall contact the Instructors within 24 hours from the start of the missed class by phone and e-mail. Arrangement must be made to make up the missed class within the 15 week semester.
- Missing a class without contacting the Instructors will constitute an unexcused absence and shall be grounds for dismissal from the course.
- All class sessions will begin promptly at the time specified on the class schedule and tardiness will not be tolerated. Tardiness is defined as arrival within the first 30 minutes after a scheduled class session has started. Arrival after this 30 minute period will be regarded as an absence.
- Students who are tardy more than three times may be dismissed from the course at the discretion of the Instructors.
- The student will be responsible for all lecture notes, assignments, and class discussions.
- Students are expected to complete all assignments within the time frame assigned.
- Students must participate in all examinations during the scheduled exam time. Once an exam has started no students may enter or exit the exam. No late admissions are allowed. If you arrive after the exam has started you will not be allowed to enter the exam and will receive a zero for the exam. You may not discuss any exam (in person or electronically) with another classmate or anyone else before, during, or after you take the exam. Exams will be reviewed at a time designated by the instructor. Failing to abide by these guidelines may result in failure of the exam or course.
- College and course communication is sent through the MVCC student email account. All students have a student e-mail account through the College and should check it frequently.
- Students are expected to uphold the College's policy on Academic Integrity. Students are responsible for reading and understanding the College's policy on Academic Integrity as stated in the College Handbook as it is strictly followed in this course. Students are responsible to contact the instructor if you have any questions on the policy at the onset of

the semester. Any student found in violation of this policy will face disciplinary action. The College and instructor will not tolerate dishonest behavior at any time; disciplinary action for dishonesty can include but is not limited to being expelled from the College and/or failing the course. The sharing of materials, answers, or other students work is considered dishonest and the student found to be demonstrating this behavior will receive at minimum a grade of zero for the assignment and/or exam as well as the possibility of receiving an "F" for the course.

**Required Materials**

Sanders, Mick J., *Mosby's Paramedic Textbook*, Revised Third Edition, Elsevier 2007.  
 Sanders, Mick J., *Mosby's Paramedic Textbook*, Revised Third Edition, Workbook, Elsevier 2007.  
 New York State Department of Health (NYS DOH) EMS/Paramedic Student Manual  
 New York State BLS Protocols

**Methods of Evaluation**

Quizzes 30%  
 Examinations 50%  
 Attendance/Participation 20%

The EMS/Paramedics student must achieve a minimum letter grade of C to meet program requirements as noted in the College catalog.

**Grading Scale**

90-100 A  
 80-89 B  
 70-79 C  
 60-69 D

**Course Schedule**

**MODULE**

**TIME FRAME**

**ASSIGNMENT**

MODULE 1 EMS/Paramedics  
 HOBET Test; EMS Systems; Roles & Responsibilities;  
 Personal Wellness; Injury Prevention

Week 1

Chapter 1

Medical Legal Ethical Issues  
 Legal and Ethical Issues In and Out of Hospital  
 Environment

Week 2

Chapter 2

Pharmacology  
 Dosage Calculations; Venous Access; Medication  
 Administration

Week 3

Chapter 3

Therapeutic Communications  
 Effective Communication; Human Development

Week 4

Chapter 4  
 Module 1 Exam

MODULE 2 Airway Management/Ventilation Establish/Maintain Patient Airway, Oxygenate, Ventilate	Week 5	Chapter 5
Communication/Documentation Patient Medical History; Clinical Decision Making	Week 6	Chapter 6 Module 2 Exam
MODULE 3 Trauma Trauma Systems, Mechanism of Injury	Week 7	Chapter 7
Burns	Week 8	Chapter 8
Soft Tissue Trauma	Week 9	Chapter 9
Abdominal Trauma	Week 10	Chapter 10
Head and Face Trauma	Week 11	Chapter 11
Musculoskeletal Trauma	Week 12	Chapter 12
Pathophysiology of Shock; Cellular Disease & Injury	Week 13	Chapter 13
Spinal Trauma	Week 14	Chapter 14
Review Field Impressions/Treatment Plans	Week 15	Chapter 15 Module 3 Exam

Created 10/10

**Course Descriptions**

**EM200 Emergency Medical Services/Paramedic 1**

**C-6, P-12, Cr-12**

Paramedic students will participate in classroom lecture, skills lab(s), and clinical training and education that prepares them to provide medically competent and correct advanced life support treatment of the critically ill and injured, using good medical judgment.

Prerequisite: Current NYS Emergency Medicine Technician-Basic Certification

**EM201 Emergency Medical Services/Paramedic Clinical & Field Internship 1** **P-18 Cr-6**

The paramedic student will participate in supervised field internship where continued instruction and on the job practical application of knowledge and skills attained in Emergency Medical Services/Paramedic 1 are practiced and evaluated under the guidance of Faxton-St. Luke's EMS Education Program field preceptors. Candidates will also participate in various clinical rotations such as the emergency department, IV team, morgue, and pre-hospital experience.

Co-Requisite: EM200 Emergency Medical Services/Paramedic 1

**EM202 Emergency Medical Services/Paramedic 2**

**C-6, P-12, Cr-12**

Paramedic students will participate in classroom lecture, skills lab(s), and clinical training and education that prepares them to provide medically competent and correct advanced life support treatment of the critically ill and injured, using good medical judgment. This course includes ACLS, PALS, and PHTLS certifications.

Prerequisites: EM200 Emergency Medical Services/Paramedic 1

EM201 Emergency Medical Services/Paramedic Clinical & Field Internship 1

Co-requisite: EM203 Emergency Medical Services/Paramedic Clinical & Field Internship 2

**EM203 Emergency Medical Services/Paramedic Clinical & Field Internship 2** **P-18, Cr-6**

The paramedic student will participate in supervised field internship where continued instruction and on the job practical application of knowledge and skills attained in Emergency Medical Services/Paramedic 1 and 2 and Emergency Medical Services/Paramedic Clinical & Field Internship 1 are practiced and evaluated under the guidance of Faxton-St. Luke's Healthcare EMS Education Program field preceptors. Candidates will also participate in various clinical rotations such as the emergency department, medical surgical intensive care, pediatrics, labor and delivery, psychiatric, and pre-hospital experience.

Prerequisites: EM200 Emergency Medical Services/Paramedic 1

EM201 Emergency Medical Services/Paramedic Clinical & Field Internship 1

Co-Requisite: EM202 Emergency Medical Services/Paramedic 2

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