



# **ILLINOIS VALLEY COMMUNITY COLLEGE**

## **COURSE OUTLINE**

**DIVISION:** Workforce Development

**COURSE:** EMS 2221 Paramedic Practicum I

**Date:** Spring 2020

**Credit Hours:** 3

**Prerequisite(s):**

1. Concurrent enrollment in EMS 2220
2. BLS for Healthcare Provider
3. Background check within past 12 months
4. Physical within past 6 months
5. Drug screen within past 6 months

**Delivery Method:**

<input type="checkbox"/> <b>Lecture</b>	<b>0 Contact Hours (1 contact = 1 credit hour)</b>
<input type="checkbox"/> <b>Seminar</b>	<b>0 Contact Hours (1 contact = 1 credit hour)</b>
<input type="checkbox"/> <b>Lab</b>	<b>0 Contact Hours (2-3 contact = 1 credit hour)</b>
<input checked="" type="checkbox"/> <b>Clinical</b>	<b>15 Contact Hours (3 contact = 1 credit hour)</b>
<input type="checkbox"/> <b>Online</b>	
<input type="checkbox"/> <b>Blended</b>	

**Offered:**  **Fall**    **Spring**    **Summer**

**IAI Equivalent –*Only for Transfer Courses***-go to <http://www.itransfer.org>:

**CATALOG DESCRIPTION:**

This course is designed to introduce and develop the knowledge and skills for EMT in the area of advanced emergency care of ill or injured persons. This section places students in the pre-hospital and hospital settings. Students will be exposed to a variety of patients, focusing their psychomotor skills on airway management, patient assessment techniques, and pharmacologic interventions.

## GENERAL EDUCATION GOALS ADDRESSED

*[See last page for Course Competency/Assessment Methods Matrix.]*

### Upon completion of the course, the student will be able:

*[Choose up to three goals that will be formally assessed in this course.]*

- To apply analytical and problem-solving skills to personal, social, and professional issues and situations.
- To communicate successfully, both orally and in writing, to a variety of audiences.
- To construct a critical awareness of and appreciate diversity.
- To understand and use technology effectively and to understand its impact on the individual and society.
- To develop interpersonal capacity.
- To recognize what it means to act ethically and responsibly as an individual and as a member of society.
- To recognize what it means to develop and maintain a healthy lifestyle in terms of mind, body, and spirit.
- To connect learning to life.

### EXPECTED LEARNING OUTCOMES AND RELATED COMPETENCIES:

*[Outcomes related to course specific goals. See last page for more information.]*

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

1. Demonstrate patient assessment on a variety of patient and complaints.
  - 1.1 Conduct a patient history from an alert and orientated patient.
  - 1.2 Practice a comprehensive normal physical assessment on a pediatric patient.
  - 1.3 Demonstrate medical assessment.
  - 1.4 Perform airway management on a patient.
2. Demonstrate airway assessment and management on a variety of patients.
  - 2.1 Perform airway management on a patient.
  - 2.2 Direct application of CPAP & PEPP
  - 2.3 Evaluate respiratory distress and/or failure
  - 2.4 Demonstrate competency of inhaled medication administration.
3. Apply knowledge obtained in the skills lab to perform treatment skills on a variety of patient in the hospital setting.
  - 3.1 Conduct a patient history from an alert and orientated patient.
  - 3.2 Practice a comprehensive normal physical assessment on a pediatric patient.
  - 3.3 Demonstrate medical assessment.
  - 3.4 Perform airway management on a patient.
  - 3.5 Direct application of CPAP & PEPP.
  - 3.6 Perform direct orotracheal intubation on an adult patient.
  - 3.7 Perform a traumatic endotracheal intubation on an adult patient.
  - 3.8 Perform direct orotracheal intubation on a pediatric patient.

- 3.9 Insert supraglottic airway device on an adult patient.
  - 3.10 Conduct a trauma physical examination.
  - 3.11 Complete a pleural decompression.
  - 3.12 Demonstrate competency of intravenous therapy initiation.
  - 3.13 Demonstrate competency of intraosseous therapy initiation.
  - 3.14 Demonstrate competency of intravenous medication administration.
  - 3.15 Demonstrate competency of intramuscular medication administration.
  - 3.16 Demonstrate competency of subcutaneous medication administration.
  - 3.17 Demonstrate competency of inhaled medication administration.
  - 3.18 Apply 12-lead electrodes for analysis.
  - 3.19 Safely operate defibrillator.
  - 3.20 Perform synchronized cardioversion.
  - 3.21 Safely use transcutaneous pacer.
  - 3.22 Observe and assist with normal newborn care.
  - 3.23 Observe and assist with abnormal delivery with newborn care.
  - 3.24 Provide neonatal resuscitation beyond routine newborn care.
4. Apply knowledge obtained in the skills lab to perform treatment skills on a variety of patients in the pre-hospital setting.
- 4.1 Conduct a patient history from an alert and orientated patient.
  - 4.2 Practice a comprehensive normal physical assessment on a pediatric patient.
  - 4.3 Demonstrate medical assessment.
  - 4.4 Perform airway management on a patient.
  - 4.5 Direct application of CPAP & PEPP.
  - 4.6 Perform direct orotracheal intubation on an adult patient.
  - 4.7 Perform a traumatic endotracheal intubation on an adult patient.
  - 4.8 Perform direct orotracheal intubation on a pediatric patient.
  - 4.9 Insert supraglottic airway device on an adult patient.
  - 4.10 Conduct a trauma physical examination.
  - 4.11 Complete a pleural decompression.
  - 4.12 Demonstrate competency of intravenous therapy initiation.
  - 4.13 Demonstrate competency of intraosseous therapy initiation.
  - 4.14 Demonstrate competency of intravenous medication administration.
  - 4.15 Demonstrate competency of intramuscular medication administration.
  - 4.16 Demonstrate competency of subcutaneous medication administration.
  - 4.17 Demonstrate competency of inhaled medication administration.
  - 4.18 Apply 12-lead electrodes for analysis.
  - 4.19 Safely operate defibrillator.
  - 4.20 Perform synchronized cardioversion.
  - 4.21 Safely use transcutaneous pacer.
  - 4.22 Observe and assist with normal newborn care.
  - 4.23 Observe and assist with abnormal delivery with newborn care.
  - 4.24 Provide neonatal resuscitation beyond routine newborn care.

## MAPPING LEARNING OUTCOMES TO GENERAL EDUCATION GOALS

[For each of the goals selected above, indicate which outcomes align with the goal.]

Goals	Outcomes
First Goal	
To apply analytical and problem-solving skills to personal, social, and professional issues and situations.	1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, 3.11, 3.12, 3.13, 3.14, 3.15, 3.16, 3.17, 3.18, 3.19, 3.20, 3.21, 3.22, 3.23, 3.24, 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11, 4.12, 4.13, 4.14, 4.15, 4.16, 4.17, 4.18, 4.19, 4.20, 4.21, 4.22, 4.23, 4.24
Second Goal	
To communicate successfully, both orally and in writing, to a variety of audiences.	1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, 3.11, 3.12, 3.13, 3.14, 3.15, 3.16, 3.17, 3.18, 3.19, 3.20, 3.21, 3.22, 3.23, 3.24, 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11, 4.12, 4.13, 4.14, 4.15, 4.16, 4.17, 4.18, 4.19, 4.20, 4.21, 4.22, 4.23, 4.24

### COURSE TOPICS AND CONTENT REQUIREMENTS:

- I. Emergency Department Triage – 16 hours
  - a. Obtain a patient history from an alert and oriented patient.
  - b. Comprehensive normal physical assessment – pediatric
  - c. Medical assessment including cardiac physical assessment
  - d. Airway management
  
- II. Respiratory Therapy – 16 hours
  - a. Airway management
  - b. CPAP & PEEP
  - c. Assessment of respiratory distress and/or failure
  - d. Inhaled Medication (MDI, nebulizer)
  
- III. Emergency Department Clinical – 75 hours
  - a. Airway management
  - b. Obtain a patient history from an alert and oriented patient.
  - c. Comprehensive normal physical assessment – pediatric
  - d. Direct orotracheal intubation – adults
  - e. Direct orotracheal intubation – pediatric
  - f. Supraglottic airway device – adult
  - g. CPAP & PEEP
  - h. Trauma physical assessment
  - i. Trauma endotracheal intubation – adult
  - j. Pleural decompression
  - k. Medical assessment including cardiac physical assessment

- l. Inhaled Medication (MDI, nebulizer)
  - m. IV Therapy
  - n. IV medication administration
  - o. Intraosseous infusion
  - p. Intramuscular medication administration
  - q. Subcutaneous Medication administration
  - r. Synchronized cardioversion
  - s. 12 Lead ECG placement
  - t. Defibrillation
  - u. Transcutaneous pacing
  - v. Normal delivery with newborn care
  - w. Abnormal delivery with newborn care
  - x. Neonatal resuscitation beyond routine newborn care
- IV. Pre-hospital Ride Time – 75 hours
- a. Airway Management
  - b. Obtain a patient history from an alert and oriented patient.
  - c. Comprehensive normal physical assessment – pediatric
  - d. Direct orotracheal intubation – adults
  - e. Direct orotracheal intubation - pediatric
  - f. Supraglottic airway device – adult
  - g. Needle cricothyrotomy
  - h. CPAP & PEEP
  - i. Trauma physical assessment
  - j. Trauma endotracheal intubation - adult
  - k. Pleural decompression
  - l. Medical assessment including cardiac physical assessment
  - m. Inhaled Medication (MDI, nebulizer)
  - n. IV Therapy
  - o. IV medication administration
  - p. Intraosseous infusion
  - q. Intramuscular medication administration
  - r. Subcutaneous Medication administration
  - s. Synchronized cardioversion
  - t. 12 Lead ECG placement
  - u. Defibrillation
  - v. Transcutaneous pacing
  - w. Normal delivery with newborn care
  - x. Abnormal delivery with newborn care
  - y. Neonatal resuscitation beyond routine newborn care

**INSTRUCTIONAL METHODS:**

- In hospital clinical experience
- Pre hospital clinical experience

**INSTRUCTIONAL MATERIALS:**

Text: *Paramedic Care: Principles and Practice* by Bledsoe, Porter, and Cherry 5<sup>th</sup> Edition, Volumes 1, 2, & 3

**STUDENT REQUIREMENTS AND METHODS OF EVALUATION:**

Pass or Fail based on:

- Clinical Shift Worksheet and
- Clinical Shift Evaluation Worksheet

**OTHER REFERENCES**

# Course Competency/Assessment Methods Matrix

(Dept/# Course Name)	Assessment Options																																	
For each competency/outcome place an "X" below the method of assessment to be used.	<b>Assessment of Student Learning</b>	Article Review	Case Studies	Group Projects	Lab Work	Oral Presentations	Pre-Post Tests	Quizzes	Written Exams	Artifact Self Reflection of Growth	Capstone Projects	Comprehensive Written Exit Exam	Course Embedded Questions	Multi-Media Projects	Observation	Writing Samples	Portfolio Evaluation	Real World Projects	Reflective Journals	Applied Application (skills) Test	Oral Exit Interviews	Accreditation Reviews/Reports	Advisory Council Feedback	Employer Surveys	Graduate Surveys	Internship/Practicum /Site Supervisor Evaluation	Licensing Exam	In Class Feedback	Simulation	Interview	Written Report	Assignment		
Assessment Measures – Are direct or indirect as indicated. List competencies/outcomes below.	<b>Direct/ Indirect</b>	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	I	I	I	I	D	D									
Demonstrate patient assessment on a variety of patient and complaints.														X			X			X	X	X	X	X	X			X						
Demonstrate airway assessment and management on a variety of patients.														X			X			X	X	X	X	X	X			X						
Apply knowledge obtained in the skills lab to perform treatment skills on a variety of patient in the hospital setting.														X			X			X	X	X	X	X	X			X						
Apply knowledge obtained in the skills lab to perform treatment skills on a variety of patients in the pre-hospital setting.														X			X			X	X	X	X	X	X			X						