



EMSP 288-PARAMEDIC REFRESHER 3 CREDITS

SYLLABUS

CATALOG DESCRIPTION

This three credit hour course reviews and updates the knowledge base and skills of the currently certified EMT-Paramedic. This course meets all the requirements for a New Mexico and National Registry Paramedic Refresher. This class is a New Mexico EMSB Approved Refresher. **This course does not include any card certification classes such as ACLS, PALS, PHTLS...**

As part of the NM paramedic refresher requirements, 16 hours of course work must be done face to face with 32 hours completed online.

TEXT(S): Any Paramedic Text for review. Internet and websites may also be used as reference and is strongly encouraged.

TERM OFFERED: Fall

PREREQUISITES: NREMT or NM Paramedic

COREQUISITES: None

INSTRUCTOR: EMS Faculty
OFFICE: SJC EMS Office
OFFICE HOURS: Monday-Friday, 8:00a.m.-5:00p.m.
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Common Student Learning Outcomes

Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...

Broad and Specialized Learning

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

Critical Thinking

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

Cultural and Civic Engagement

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

Effective Communication

Students will exchange ideas and information with clarity in multiple contexts.

Information Literacy

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

Integrating Technologies

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

COURSE GOALS

Complete the requirements for a Paramedic Refresher in accordance with NM EMS Bureau and NREMT requirements. Based on:

Modules Schedule:

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|------------------------------------|------------------------|---|
| • Module 1 | Preparatory | 3 contact hours |
| • Module 2 | Airway and Ventilation | 4 contact hours (2 hours Face to Face) |
| • Module 3 | Patient Assessment | 4 contact hours* (4 hours Face to Face) |
| • Module 4 | Medical | 18 contact hours (4 hours Face to Face) |
| • Module 5 | Trauma | 10 contact hours (4 hours Face to Face) |
| • Module 6 | Special Considerations | 6 contact hours (2 hours Face to Face) |
| • Module 7 | Operations | 3 contact hours |
| • NREMT UPDATE MATERIAL: | | |
| ○ Morgan Lenses | | |
| ○ Laboratory Values for Paramedics | | |
| ○ Chest Tubes | | |

*These hours will be integrated into Medical, Trauma, and Special Consideration.

(NREMT Update material is now required for the NREMT Transition to the new National Scope of Practice Provider level for Paramedic)

SPECIFIC LEARNING OBJECTIVES

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

Preparatory

1. Access and use Free Online Access Medicine in your clinical practice.
 2. Apply concepts of Human Factors in your practice with goal improving patient and team safety.
 3. Review pharmacology concepts and risk versus benefit factors with a focus on amiodarone.
 4. Review the New Mexico Scope of practice.
 5. Identify normal chemistry values for the adult patient
 6. Define the normal range of laboratory values for components of a complete blood count for the adult patient
 7. Identify treatments associated with abnormal findings.
 8. Interpret an Arterial Blood Gas
 9. Describe what “point-of-care” (POC) testing is, and discuss why values generated using POC methods may be less precise and also differ, on average, from values generated in the clinical laboratory
 10. Review the principles of airway management with a focus on the SALT, I-gel, and Surgical Cricothyrotomy.
 11. Discuss the modes of ventilation and the impact on the patient with a focus to CPAP and BiPAP.
 12. Review ECG interpretation including 12 Lead ECG.
 13. Discuss the management of the hyperkalemic patient.
 14. Review the use of Thrombolytic medications.
 15. Review Respiratory Anatomy and Physiology, including breath sounds.
 16. Discuss the pathophysiology and management of the patient experiencing allergic reaction and anaphylaxis.
 17. Discuss the integration of “Tactical EMS” into “Everyday EMS”.
 18. Describe the best evidence of Hemorrhage control in the EMS.
 19. Discuss the best available evidence on spinal restriction.
 20. Discuss quality Trauma pediatric care and its use in EMS.
 21. Discuss the care and management of chest tubes.
 22. Describe the use of the Morgan Lens.
 23. Discuss the pathophysiology and management of the pediatric patient experiencing respiratory distress.
 24. Discuss the pathophysiology and management of the neonatal emergencies.
 25. Describe the use of the Pediatric Assessment Triangle.
 26. Discuss the pathophysiology and management of problems in the Special Needs population.
 27. Discuss the role of the paramedic in the Active Shooter scenario.
 28. Discuss the implication of Bioterrorism in EMS
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POLICIES

All institutional policies, including those listed in the current edition of the *San Juan College Academic Catalog*, and EMS Program policies as listed in the current *San Juan College EMS Program Policy Manual* are incorporated into this syllabus by reference.

In order for the EMS Provider to successfully complete this course:

1. Must satisfactorily complete all Modules with a 90% or better in Canvas, AND
2. Participate in a psychomotor skills/Live Classroom Portion (16 hours).

Completion of all Assignments

Students are expected to complete all course assignments before the last day of class (See Class Calendar). Assignments must be completed on time - failure to submit assignments by the deadline will result in an '0 and failure of the course. In extraordinary circumstances, the instructor reserves the right to establish a mutually acceptable accommodation with the students (death of a family member, major illness, legal problems, etc.) Students with disabilities must inform the Special Services if they need and desire an accommodation.

Expectations for Course Work

The key to being successful is to "not get behind." The instructor will act as a facilitator but will attempt to make limited comments in the student discussion.

Students are expected to complete the assigned learning activities and to engage the reading material. Additional material will be provided by the instructor when appropriate and will be placed in the "Module" area.

Students will be expected to approach this course as they would a position in the work world. They should be prepared for module assignments and stay on schedule and interact as they would if they were attending an executive meeting or work group within a company for which they might work.

Expectations for Assignments

Specific assignments will be posted in the Assignments area throughout the course. The course contains 7 Modules spread across the term. Students are strongly encouraged to stay current with the assignments, as it will be very difficult to catch up once behind.

Expectations for Quizzes / Tests:

Each module will have a quiz, which must be completed to get full points for the module. These quizzes are proctored and not timed. You will have three attempts for each quiz. However, you must score an average of 90% or better before proceeding to the next module. If you score a 50% on your first attempt, you will need to score 100% on four subsequent attempts to obtain a 90% average. **In other words-do your work the first time and save yourself the trouble.** DO NOT stop during the quiz, once you start the quiz you must complete the exam.

There will be one final exam. The final exam can be taken at any point the student finish all the Modules but must be done by the last week of Fall classes. The final exam score will be calculated into your final grade.

GRADING & SUCCESSFUL COURSE COMPLETION

Evaluation Methods:

Quizzes	50%
Completion of Face-to-Face	50%

In order for the EMS Provider to successfully complete this course:

1. Must satisfactory complete all Modules with a 90% or better in Canvas, AND
2. Participate in a psychomotor skills/Live Classroom Portion (16 hours).

Grades:

For letter grades, the grading scale is as follows:

100-91%	A
90-83%	B
82-75%	C
Below 75%	F

A minimum course grade of 75% is necessary to pass the course and remain in good standing.

REVIEW AND APPROVAL

Official copies of all course syllabi are on file in both the EMS Program Office and the Office of the Dean, School of Trades & Technology.

Developed by:	Diane M. Meyer, EMS Program Director	Date:	
Reviewed by:	Diane Meyer, EMS Program Director	Date:	August 31 2015
Revised by:	Diane Meyer, EMS Program Director	Date:	July 18, 2017

EMS Program Approval: _____ Date: _____
Diane Meyer, EMS Program Director

School Approval: _____ Date: _____
Dean of Health Sciences

Medical Director Approval: _____ Date: _____
Eric Ketchum, MD EMS Medical Director