SAN JUAN COLLEGE
Success Matters

EMSP 229-PARAMEDIC LAB I 5 CREDITS

SYLLABUS

CATALOG DESCRIPTION

Serves as the lab component of the first semester of the paramedic program. Reinforces paramedic theory coursework through practical labs and simulated patient care scenarios. Topics covered include foundational paramedic practice, assessment and clinical decision making, airway and ventilator management, pharmacology, cardiology, and medical emergencies.

Prerequisites: Acceptance in the Paramedic Program

Semester Offered: Fall, Spring

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 LEARNING OUTCOMES

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

1. Demonstrate patient assessment of an EMS patient with medical, behavioral or trauma related pathologies
2. Demonstrate methods that enhance patient rapport and trust

3. Demonstrate closed loop communication
4. Demonstrate age specific assessment skills for pediatric to geriatric patients
5. Demonstrate basic airway management techniques including manual methods, BLS adjuncts and proper use of suctioning
6. Demonstrate advanced airway management techniques including oral and nasal intubation, para-glottic airway devices, needle cricothyrotomy and open (surgical) cricothyrotomy
7. Demonstrate cardiopulmonary resuscitation and artificial ventilation to current industry standards
8. Demonstrate safe and aseptic techniques for establishing vascular access
9. Demonstrate safe and proper medication administration by all conventional routes of administration
10. Demonstrate competency in calculating drug dosages and infusion rates
11. Demonstrate proficiency in cardiac rhythm analysis and interpretation of 12 and 15 lead EKGs
12. Demonstrate thorough and concise recordkeeping including writing patient care record (PCR) narratives
13. Identify the epidemiology, anatomy, physiology, pathophysiology, assessment findings, and management (including prehospital medications) for the following diseases and conditions:
    a. adult respiratory distress syndrome
    b. bronchial asthma
    c. chronic bronchitis
    d. emphysema
    e. pneumonia
    f. pulmonary edema
    g. pulmonary thromboembolism
    h. spontaneous pneumothorax
    i. hyperventilation syndrome
    j. allergic reactions including anaphylaxis
    k. angina pectoris
    l. myocardial infarction
    m. ventricular fibrillation and pulseless v-tach
    n. pulseless electrical activity
    o. asystole
    p. congestive heart failure
    q. aortic aneurysm and dissection
    r. cardiomyopathy
    s. cardiac dysrhythmias including heart block
    t. transient ischemic attack
    u. ischemic stroke
    v. intracranial hemorrhage
    w. altered mental states
    x. seizures
14. Demonstrate professional affect and behavior to include empathy and compassion for patients and family, respectful interactions with fellow students, healthcare and public safety colleagues, and sensitivity to cultural differences and patients with special needs
15. Integrate information from co-requisite theory courses with practical application of paramedic skills
16. Integrate critical thinking, teambuilding, communication and leadership skills with assessment-based care of simulated EMS patients
17. Integrate current technologies used to assess and manage patients in out of hospital care.