

HSCI 0055 - PARAMEDIC CLINICAL EXPERIENCE

Catalog Description

Prerequisite: Completion of HSCI 54 with grade of "C" or better; current enrollment in the CSU Sacramento Paramedic Program

Hours: 246 (18 lecture, 228 laboratory)

Description: Part three of a four-part series providing the foundational knowledge required for the paramedic level of care in the Emergency Medical System (EMS). The Clinical section provides student with an acute clinical care experience under the direct supervision of a Registered Nurse and Paramedic preceptor. The student will identify abnormal physical assessments and be able to apply appropriate priority interventions. Students will be exposed to dynamic clinical environments including the emergency department and labor and delivery. Supervised clinical training on advanced human simulation; participation in Homeland Security First Emergency Response Training; 24 hours assigned in EMS field ride-a-longs. (CSU)

Course Student Learning Outcomes

- CSLO #1: Perform professional communication skills required to promote teamwork in a strong student-preceptor mentoring relationship.
- CSLO #2: Integrate Advanced Life Support theories and skills to provide care for patients with a variety of medical disorders and emergencies across the adult life span.
- CSLO #3: Access, use, and evaluate patient care technologies and interventions in a clinical environment.
- CSLO #4: Explain concepts related to patient safety and quality healthcare in both the clinical and prehospital environments.
- CSLO #5: Perform the leadership skills and scene management abilities to promote optimal patient care and crew safety in a variety of medical emergencies and critical trauma patients while in a clinical setting.

Effective Term

Fall 2023

Course Type

Credit - Degree-applicable

Contact Hours

246

Outside of Class Hours

36

Total Student Learning Hours

282

Course Objectives

Lecture Objectives:

1. Calculate a drug dose, and safely administer the medications.

Laboratory Objectives:

1. Perform an esophageal-tracheal intubation on an unresponsive patient.
2. Demonstrate ability to safely gain a peripheral venous access on an adult patient.
3. Demonstrate ability to safely gain a peripheral venous access on an adolescent patient.
4. Demonstrate ability to safely gain peripheral venous access on a pediatric patient.
5. Demonstrate ability to safely establish an interosseous access in the adult patient.
6. Demonstrate ability to safely establish an interosseous access in the pediatric patient.
7. Demonstrate ability to effectively ventilate an intubated adult patient.
8. Demonstrate ability to effectively ventilate an intubated adolescent patient.
9. Demonstrate ability to effectively ventilate an intubated pediatric patient.
10. Demonstrate ability to perform an advanced assessment on a pediatric patient.
11. Demonstrate ability to perform a comprehensive patient assessment on an adult.
12. Demonstrate ability to perform an advanced assessment on geriatric patient.
13. Demonstrate ability to perform an advanced assessment, formulate and implement a treatment plan for a critical trauma patients.
14. Demonstrate ability to perform an advanced assessment, formulate and implement a treatment plan for patients with acute cardiac chest pain.
15. Demonstrate ability to perform an advanced assessment, formulate and implement a treatment plan for patients in acute respiratory failure.
16. Demonstrate ability to perform an advanced assessment, formulate and implement a treatment plan for patients with acute abdominal pain.
17. Demonstrate ability to perform an advanced assessment, formulate and implement a treatment plan for patients with an altered mental status.
18. Demonstrate ability to serve as the team leader in variety of prehospital emergency situations.
19. Demonstrate ability to accurately and clearly document patient care, record the interventions and accurately describe the patient response to the intervention and the resulting outcome of patient care.

General Education Information

- Approved College Associate Degree GE Applicability
- CSU GE Applicability (Recommended-requires CSU approval)
- Cal-GETC Applicability (Recommended - Requires External Approval)
- IGETC Applicability (Recommended-requires CSU/UC approval)

Articulation Information

- CSU Transferable

Methods of Evaluation

- Reports
 - Example: 1. Under the direct supervision of the Program Clinical Coordinator, the student will be evaluated for their ability to accurately and clearly document all patient care, record the interventions and accurately describe the patient response to the interventions, and the resulting outcome of patient care. Students performance outcome will be based on their ability to communicate accurate information in a medical legal document. Students performance and evaluation will be based on Course Objective 20.

- Skill Demonstrations
 - Example: 1. Under the direct supervision of the clinical Preceptor, student will interact with a cardiac patient with chest discomfort. Student will be evaluated for their ability to perform a patient assessment, and formulate and implement a treatment plan for acute cardiac chest pain. Students performance and evaluation will be based on Course Objective 15 . 2. Under the direct supervision of clinical Preceptor, student will be given a practical emergency medical scenario with minimal information on patient history. The student will be evaluated for their ability to utilize subjective and objective components of the primary assessment, and to demonstrate their ability to select an appropriate intervention utilizing advanced life support protocols. Students performance and evaluation will be based on Course Objective 12.

Repeatable

No

Methods of Instruction

- Laboratory
- Lecture/Discussion

Lab:

1. The Instructor/Clinical Preceptor will evaluate effectiveness of clinical and field experience assignments by physically demonstrating and then observing the students ability to perform an advanced assessment, formulate and implement a treatment plan for a critical trauma patient.
2. The Instructor/Clinical Preceptor will evaluate effectiveness of clinical and field experience assignments by demonstrating and then physically observing the students to ability to accurately and clearly document patient care, record the interventions and accurately describe the patient response to the intervention and the resulting outcome of patient care.
3. The Instructor/Clinical preceptor will evaluate the students ability to effectively serve as the team leader in variety of prehospital emergency situations by demonstrating and evaluating the students performance.

Lecture:

1. Following an instructor lecture on calculating a drug dose, and the safe administration of medications, students will properly calculate a drug dose based on an instructor provided scenario.

Typical Out of Class Assignments

Reading Assignments

1. Read the regional protocols for Pediatric Advanced Life Support care for Acute respiratory distress and explain the physiological changes that occur within pediatric patient having an Anaphylactic reaction. Student will discuss the appropriate Advanced protocol, and explain the best course of action based on the immediate general impression and assessment of the patient. 2. Read the regional treatment protocols on trauma and explain the pathology of traumatic injuries. Student will Describe the signs and symptoms of perfusion compromise and the physiological effects on the body, and compare Regional and National Protocols. 3. Read current EMS industry/EMS professional publications or manuals provided by Preceptor and Clinical Coordinator. Compare

articles to local protocols, text books or other EMS industry-related journals, and discuss the differences and benefits of the different protocols.

Writing, Problem Solving or Performance

1. Through required documentation, student will log all clinical activities, track daily tasks, training discussions and any training activities, Advanced Life support skills learned, training projects completed, advanced skills, and any protocols performed during instructor based human simulations. 2. Student will complete a patient care report (PCR) documentation for all patient contacts and any medical/legal activities involved with patient care. Documentation will include chief complaints, sign and symptoms, subjective and objective findings during the assessment, recording all trending of vital signs and any trending changes in the ongoing assessment, and documentation of all patient procedures attempted, completed, including changes or results in overall patient outcome.

Other (Term projects, research papers, portfolios, etc.)

Required Materials

- AAOS Emergency Care in the Streets
 - Author: Nancy Caroline
 - Publisher: Jones and Bartlett Publishers
 - Publication Date: 2018
 - Text Edition: 8th; Volume 1
 - Classic Textbook?:
 - OER Link:
 - OER:
- AAOS Emergency Care in the Streets
 - Author: Nancy Caroline
 - Publisher: Jones & Bartlett Publishers
 - Publication Date: 2018
 - Text Edition: 8th; Volume 2
 - Classic Textbook?:
 - OER Link:
 - OER:

Other materials and-or supplies required of students that contribute to the cost of the course.