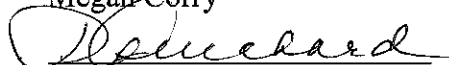


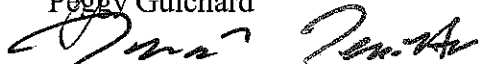
City College of San Francisco  
Course Outline of Record

I. GENERAL DESCRIPTION

A. Approval Date October 2013  
B. Department Health Care Technology  
C. Course Number EMTP 130  
D. Course Title Clinical and Field Internship  
E. Course Outline Preparer(s) Megan Corry  
F. Department Chairperson

  
Peggy Guichard

G. Dean

  
Terrance Hall  
Terry Hall, Dean  
John Adams Campus/  
School of Health & P.E.

II. COURSE SPECIFICS

A. Hours Laboratory – 480 total  
Conference – 60 total  
B. Units 12  
C. Prerequisites EMTP 129  
Corequisites None  
Advisories Paramedic student must pass final written examination and demonstrate clinical competency to be approved for field internship.  
D. Course Justification The course content reflects the material outlined in the National EMS Education Standards.  
E. Field Trips No  
F. Method of Grading Letter  
G. Repeatability 0

III. CATALOG DESCRIPTION

Paramedic program clinical rotations in emergency departments, operating room, labor and delivery, psychiatric emergency, pediatrics, intensive care unit and other clinical settings. Prehospital field internship on an advanced life support ambulance is final phase.

IV. MAJOR LEARNING OUTCOMES

Upon completion of this course a student will be able to:

- A. Demonstrate a comprehensive patient assessment on patients of various ages, including:
  - a. Pediatric patient assessments (newborn to 17 years of age)
  - b. Adult patient assessments
  - c. Geriatric patient assessments (over 65 years of age)
- B. Demonstrate a comprehensive patient assessment on patients with a variety of complaints, including:
  - a. Obstetric patients
  - b. Trauma patients
  - c. Psychiatric patients

- C. Demonstrate a comprehensive patient assessment and formulate and implement a treatment plan on patients with a variety of complaints, including:
  - a. Patients complaining of chest pain
  - b. Adult patients complaining of respiratory distress
  - c. Pediatric patients complaining of respiratory distress
  - d. Patients with syncope
  - e. Patients with abdominal complaints
  - f. Patients with an altered mental status
- D. Demonstrate the ability to safely and properly administer medications at least 15 times to live patients.
- E. Demonstrate the ability to safely and properly obtain venous access at least 25 times to live patients.
- F. Demonstrate the ability to safely and properly perform advanced airway techniques at least 5 times on live patients.
- G. Demonstrate the ability to safely and properly ventilate unintubated patients of all age groups on at least 20 live patients.
- H. Demonstrate the ability to serve as a team leader in a variety of prehospital emergency situations for at least 40 prehospital emergency responses.

## V. CONTENTS

- A. Clinical hospital and clinic rotations: Emergency Department
  - 1. Patient assessment and interventions
    - a. History-taking
    - b. Physical examination
    - c. Vital signs
    - d. EKG interpretation
    - e. Determining patient level of distress
    - f. Determining appropriate interventions
    - g. Pharmacology knowledge base
      - 1. Home medications
      - 2. Medications used in the paramedic scope of practice
      - 3. Medications used to treat emergencies less commonly used by paramedics
    - h. Intravenous access skills and blood sampling
      - 1. Safety procedures
      - 2. Equipment review
    - i. Medication administration skills
      - 1. General knowledge base
      - 2. Technical performance
    - j. Airway and ventilation skills
      - 1. Oxygen therapy
      - 2. Use of basic and advanced adjuncts
      - 3. Ventilatory management
    - k. CPR skills
  - 2. Communications, teamwork and leadership
    - a. Establishing rapport with patient

- b. Establishing teamwork relationships with clinical faculty and staff
  - c. Accepting constructive criticism
  - d. Using criticism to guide improvements
  - e. Verbal reporting to hospital faculty and staff
  - f. Written documentation of patient narrative
  - g. Demonstrating preparedness for the clinical rotation
- B. Clinical hospital and clinic rotations: Pediatrics
- 1. Patient assessment in pediatrics
    - a. History taking
    - b. Physical exam
  - 2. Communicating with parents and legal guardians
  - 3. Determining level of distress
  - 4. Determining appropriate interventions
  - 5. Paramedic skills for pediatric patients
- C. Clinical hospital and clinic rotations: Obstetrics
- 1. Patient assessment during all stages of labor.
  - 2. Obtaining a complete obstetric history.
  - 3. Assessment of the newborn using the APGAR score.
  - 4. Newborn resuscitation principles.
  - 5. Assisting with normal and abnormal deliveries.
- D. Clinical hospital and clinic rotations: Psychiatric Emergency
- 1. Introduction to the clinical area, scope of services and personal safety considerations.
  - 2. Psychiatric patient assessment including intake assessments and clinical exam.
  - 3. Assessing patients for signs of behavior that may indicate potential threat to safety.
  - 4. De-escalating techniques on agitated and potentially violent patients.
  - 5. Assisting with correct application of physical restraints and use of chemical restraints.
- E. Clinical hospital and clinic rotations: Operating room
- 1. Introduction to the clinical area and role of the paramedic student intern.
  - 2. Relating knowledge of airway anatomy to live patient.
  - 3. Assessing level of airway difficulty using Mallampati score.
  - 4. Airway positioning, bag-valve mask ventilation and use of monitoring devices.
  - 5. Sedatives and paralytics used for intubation.
  - 6. Direct laryngoscopy: observing and performing.
  - 7. Placing and confirming placement of endotracheal tubes: observing and performing.
  - 8. Placing and confirming placement of laryngeal mask airways: observing and performing.
  - 9. Monitoring patients for signs of hypoxia and hypoventilation.
- F. Clinical hospital and clinic rotations: Intensive Care Units
- 1. Introduction to clinical area and staff
  - 2. Trauma/surgical ICU and Medical/cardiac ICU
  - 3. Pharmacological interventions

4. EKG interpretation
  5. Overview of other units (cath lab, PACU, step-down unit, etc.)
  6. Importance of field interventions of patient prognosis in ICU.
- G. Field clinical rotations
1. Purpose of field clinical rotations
  2. Currently available sites for field clinical rotations
  3. Bridging the gap between clinical hospital setting and ambulance/field environment
  4. Local County protocols and policies
  5. Inventory of ambulance
  6. Orientation to all ambulance equipment, kits and communication devices
  7. Review of preceptor/intern expectations during the internship
- H. Field internship rotations
1. Review of field internship performance standards
    - a. Expectations of intern, preceptor and program faculty
    - b. Ratings definitions
  2. Evaluation factors
    - a. Scene management
      1. Safety and work environment
      2. Universal precautions
      3. Crowd control
    - b. Patient assessment
      1. Physical examination
      2. Assessment interpretation
      3. Chest auscultation
      4. Cardiac rhythms
      5. Patient management
      6. Additional assistance and equipment
      7. Primary assessment and intervention
      8. Patient response to therapy
    - c. Interpersonal skills
      1. Rapport with patient, family and bystanders
      2. Communication with team members
      3. Radio reports
      4. Documentation
      5. Working relationship with team members
      6. Leadership
      7. Professionalism
      8. Openness to feedback and guidance
    - d. Treatment skills
      1. Inventory maintenance
      2. Equipment operation
      3. Airway management/oxygen therapy
      4. Advanced airway skills
      5. Pleural decompression
      6. Defibrillation/cardioversion

7. Intravenous access
8. Bandaging/splinting
9. Extrication/patient positioning
10. Spinal immobilization
11. Drug administration
12. Drug knowledge
- e. Team Leadership
  1. Elements of leadership on scene
  2. Definition of successful team lead contact

## VI. INSTRUCTIONAL METHODOLOGY

### A. Assignments

1. In-class Assignments: Students complete patient narratives during clinical site rotations using the SOAP format for patients of the following types:
  - a. Altered mental status
  - b. Cardiac complaints
  - c. Acute abdominal pain
  - d. Toxicology
  - e. Infectious disease
  - f. Psychiatric
  - g. Obstetrics
  - h. Pediatrics (0-3 yrs and 4-10 yrs)
  - i. Geriatrics
  - j. Critical trauma
  - k. Case of the student's choice
2. Out-of-class Assignments: Students complete a log tracking the advanced life support skills that were performed during the clinical hospital and field internship rotations.
  - a. Patient assessment log by age and chief complaint
  - b. Intravenous access obtained including catheter gauge and location of IV
  - c. Medication administered including route, rate and dosage
  - d. Cardiac skills including placement of 12-Lead EKG, performing cardioversion, defibrillation or transcutaneous cardiac pacing
  - e. Advanced airway and ventilations skills including placement of an endotracheal tube, King tube, Combitube, LMA or other device and use of CPAP, BVM ventilation or other ventilatory device.
  - f. Field internship evaluation forms: students and preceptors complete the student daily performance logs and major evaluation logs designed by the California Paramedic Program Directors (CPPD).

### B. Evaluation

1. Clinical site: Assigned nurse preceptors in the emergency department will complete a minimum of three written evaluations of the student performance using the criteria outlined in the CCSF Paramedic Program Clinical Education Manual. Students are rated on the ability to perform assessments and treatments with minimal intervention from the preceptor.
2. Field internship

- a. Daily evaluations: Assigned field paramedic preceptor will evaluate the student performance for each call of the day using the CPPD daily evaluation forms and rating system.
  - b. Major evaluations (quarterly): Assigned field paramedic preceptor will summarize the overall performance of the student for all calls within a quarterly period of the field internship using the CPPD major evaluation forms and rating system.
- C. Textbooks and other instructional materials
- 1. Mosby's Paramedic Textbook, revised 3rd edition. Mosby/Elsevier publishing. St. Louis, Missouri, 2007.
  - 2. CCSF Paramedic Program Clinical Education Manual. CCSF Paramedic program, updated yearly.
  - 3. CCSF Paramedic Program Field Internship Manual. CCSF Paramedic program, updated yearly.
  - 4. Insight Learning Management System (Moodle). City College of San Francisco, 2011.
  - 5. EMS Field Guide, ALS version. Informed publishing, Portland, Ore., updated yearly.
  - 6. Tarascon's pharmacopeia, Jones and Bartlett publishing, Subury, MA, updated yearly.

## VII. TITLE 5 CLASSIFICATION

CREDIT/DEGREE APPLICABLE (meets all standards of Title 5. Section 55002(a)).