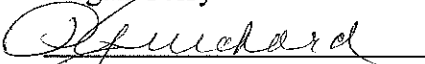
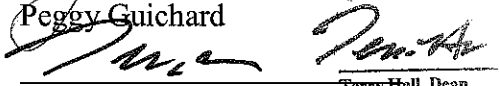


City College of San Francisco
Course Outline of Record

I. GENERAL DESCRIPTION

A. Approval Date	October 2013
B. Department	Health Care Technology
C. Course Number	EMTP 128
D. Course Title	OB/GYN & Pedi Emergencies
E. Course Outline Preparer(s)	Megan Corry
F. Department Chairperson	 Peggy Guichard
G. Dean	 Terry Hall, Dean John Adams Campus/ School of Health & P.E.

II. COURSE SPECIFICS

A. Hours	Lecture – 56 total Conference – 20 total
B. Units	4
C. Prerequisites	Acceptance into Paramedic Program
Corequisites	None
Advisories	None
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

Prehospital assessment and management of gynecological and obstetric emergencies, neonatal and pediatric emergencies.

IV. MAJOR LEARNING OUTCOMES

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

- Demonstrate the systematic patient assessment used for evaluating patients with gynecological and obstetric conditions and emergencies.
- Demonstrate the systematic patient assessment used for evaluating pediatric patients of varying developmental stages.
- Describe the pathophysiology and clinical findings associated with obstetric emergencies.
- Describe the pathophysiology and clinical findings associated with pediatric respiratory distress, failure and arrest, pediatric seizures, shock, toxicologic conditions, and trauma.
- Given a patient scenario, identify the most likely etiology of the patient's condition using information obtained from patient history, clinical findings and foundational knowledge of pathophysiology.
- Given a patient scenario, use critical thinking skills to determine the preferred method of treatment for the obstetric patient, newborn patient, neonate and pediatric patient.

- G. Demonstrate proper basic and advanced life support management of critical and stable patients with obstetric emergencies within the scope of practice of a paramedic.
- H. Demonstrate proper basic and advanced life support management of critical and stable pediatric patients within the scope of practice of a paramedic.

V. CONTENTS

- A. Review of anatomy and physiology of the female reproductive system
 - 1. Anatomy
 - 2. Menstrual cycle
 - 3. Process of fertilization
- B. Gynecology: epidemiology, pathophysiology, psychosocial impact, clinical presentations, assessment and management of the following conditions:
 - 1. Vaginal bleeding
 - 2. Sexual assault
 - 3. Pelvic inflammatory disease and infections
 - 4. Ovarian cysts
 - 5. Uterine fibroids
 - 6. Endometriosis
 - 7. Dysfunctional uterine bleeding
 - 8. Vaginal foreign body
- C. Obstetrics
 - 1. Anatomy and physiology of pregnancy
 - 2. Pathophysiology of complications during pregnancy
 - 3. Assessment of the pregnant patient
 - 4. Psychosocial impact, clinical presentations, prognosis and management of the following conditions of pregnancy:
 - a. Normal delivery
 - b. Abnormal delivery
 - 1. Nuchal cord
 - 2. Prolapsed cord
 - 3. Breech
 - c. Spontaneous abortion/miscarriage
 - d. Ectopic pregnancy
 - e. Eclampsia
 - f. Antepartum hemorrhage
 - g. Pregnancy-induced hypertension
 - h. Third trimester bleeding
 - 1. Placenta previa
 - 2. Abruption placenta
 - i. High risk pregnancy
 - j. Complications of labor
 - 1. Fetal distress
 - 2. Pre-term
 - 3. Premature rupture of membranes
 - 4. Uterine rupture

- k. Complications of delivery
 - l. Post partum complications
 - m. Hyperemesis gravidarum
 - n. Post partum depression
- D. Neonatology
- 1. Anatomy and physiology of neonatal circulation
 - 2. Assessment of the newborn
 - 3. Presentation and management of the newborn
 - 4. Neonatal resuscitation
 - 5. Pediatric advanced life support for neonatal resuscitation
- E. Pediatrics
- 1. Review of anatomic and physiologic variation among pediatric age groups
 - 2. Age-related assessment findings
 - 3. Developmental stages and communications with pediatric patients
 - 4. Treatment modifications for pediatric patients as compared to adults for specific diseases/emergencies:
 - a. Foreign body airway obstruction
 - b. Bacterial tracheitis
 - c. Asthma
 - d. Bronchiolitis and respiratory syncytial virus (RSV)
 - e. Pneumonia
 - f. Croup
 - g. Epiglottitis
 - h. Respiratory distress/failure/arrest
 - i. Shock
 - j. Trauma
 - k. Toxicologic emergencies
 - l. Seizures and status epilepticus
 - m. Sudden infant death syndrome (SIDS)
 - n. Hyperglycemia and hypoglycemia
 - o. Pertussis
 - p. Cystic fibrosis
 - q. Bronchopulmonary dysplasia
 - r. Congenital heart disease
 - s. Hydrocephalus and ventricular shunts
 - 5. Differential diagnosis of abdominal pain in the female patient of reproductive age and the known obstetric patient
 - 6. Differential diagnosis in infants and children
 - 7. Integrated Simulation Lab Scenarios
 - a. Team Leadership
 - b. Team member roles

VI. INSTRUCTIONAL METHODOLOGY

A. Assignments

- 1. In-class Assignments include participation in interactive case review and discussions relating the pathophysiology to actual case studies. Students will

also participate as team leaders and members in the integrated simulation lab during simulated patient scenarios.

2. Out-of-class Assignments
 - a. Chapter reading from the textbooks as assigned on the course syllabus to be completed before the class session.
 - b. Online assignments:
 1. Review of posted slides and outlines
 2. Take online multiple-choice quizzes associated with each chapter before coming to class.
 3. Forum discussion: participate in message board discussion related to topics discussed in class as method of continuous study and peer-guided learning.
- B. Evaluation
 1. In class assignments: students will be awarded points for quality of contributions during discussion and successful team leadership during patient scenarios.
 2. Written examinations include multiple-choice, true/false, short answer critical thinking questions within each topic area, designed to assess foundational knowledge, applications and analytical skills in the cognitive domain.
 - a. In class quizzes: Weekly quizzes to assess the cognitive skills on subject matter discussed in previous week of class.
 - b. Comprehensive final examination covering all assigned chapters and additional materials assigned by instructor.
 3. Online participation will be graded for quality of posted discussion items and completion of quizzes by deadline.
 4. Clinical rotations as assigned with emphasis on clinical assessment and treatment associated with obstetric and pediatric patients.
- C. Textbooks and other instructional materials
 1. Mosby's Paramedic Textbook revised 3rd edition. Mosby/Elsevier Publishing, St. Louis, Missouri, 2007.
 2. Pediatric Education for Prehospital Professionals, 2nd edition. Jones and Bartlett Publishers, Sudbury, Massachusetts, 2006.
 3. 2010 Handbook of Cardiovascular Care for Healthcare Providers. American Heart Association Publisher, 2010.
 4. Insight Learning Management System (Moodle), City College of San Francisco, 2011.
 5. Handouts provided by the instructor of case studies and updated materials from EMS standards and guidelines.

VII. TITLE 5 CLASSIFICATION

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