

**WEST LOS ANGELES COLLEGE
DEPARTMENT OF DENTAL HYGIENE**

- I. DH 210:** EMERGENCIES IN DENTAL PRACTICE
- II. REVISED FOR:** SPRING 2015
- III. PREREQUISITE:** COMPLETION OF ALL ATTEMPTED DENTAL HYGIENE COURSES WITH
A FINAL GRADE OF C OR BETTER.
- IV. UNITS AND HOURS:** 1 HOURS, 5 MINUTES / ONE UNIT, MONDAYS 8:00 - 12:20 (16 Weeks)
- V. COURSE INSTRUCTOR:** CARLOS SERMEÑO, RDHAP, BS.

Office Telephone:

Office hours:

Wednesday: 10:00am to 12:00pm

VI. COURSE DESCRIPTION:

This course is designed to provide the student with the background and skill to recognize and manage most emergency situations that might develop in the practice of dentistry. Emphasis will be placed on prevention, prompt recognition and effective treatment of life threatening emergency situations that can occur in the practice of dentistry.

VII. REQUIRED TEXT:

MEDICAL EMERGENCIES: ESSENTIALS FOR THE DENTAL PROFESSIONAL, ELLEN B. GRIMES, Pearson/Prentice-Hall, 2009.

VIII. SUGGESTED REFERENCE:

DENTAL MANAGEMENT OF THE MEDICALLY COMPROMISED PATIENT, LITTLE AND FALACE, 5TH EDITION.

IX. PROGRAM COMPETENCIES AND INSTITUTIONAL STUDENT LEARNING OUTCOMES

PROGRAM COMPETENCIES

I. Professionalism

The dental hygiene graduates must appreciate their role as health professionals at the local, state, and national levels. The graduates must possess the ethics, values, skills, and knowledge integral to all aspects of the profession.

Program SLO #1: Adhere to the American Dental Hygienist's Associations' code of ethical conduct and apply this code to established state and federal laws, recommendations, and regulations in the provision of dental hygiene care.

Program SLO #2: Perform self-assessment for lifelong learning to provide evidenced-based practice of dental hygiene.

Program SLO #3: Understand and interpret the scientific literature and research as it relates to the evidence-based practice of dental hygiene.

Program SLO #4: Utilize current technology to enhance education, patient care, research and professional growth.

II. Health Promotion and Disease Prevention

The dental hygiene graduates must possess a thorough foundation in the biomedical, clinical, and behavioral sciences and be able to apply those principles in assessment, diagnosis, planning, implementation and evaluation of treatment. The graduates must also be prepared to influence others to facilitate access to care and services.

Program SLO #7: Provide the values of oral health, general health and wellness in individuals and populations with identified risk factors and develop strategies that promote health related quality of life.

III. Patient Care

The dental hygiene graduates must be competent in the performance and delivery of oral health promotion and disease prevention services in public health, private practice and alternative settings. The graduates must be able to exercise critical thinking and sound clinical judgment and communicate with patients.

Program SLO #11: Recognize and provide the appropriate care for medical emergencies that occurs in the dental setting.

Program SLO #12: Apply problem solving strategies and critical thinking to insure comprehensive oral health care for individuals, groups and communities

INSTITUTIONAL STUDENT LEARNING OUTCOMES

- A. **Critical Thinking:** Analyze problems by differentiating fact from opinions, using evidence, and using sound reasoning to specify multiple solutions and their consequences.

Assessment: The students will integrate the classroom information obtained with case studies discussed in the class.

Criterion: 80% of the class will score 75% or higher on a Medical Emergency Role Playing Examination, in which Students role play an emergency condition (Medical History, signs and symptoms).

- B. **Communication:** Effectively communicate thought in a clear, well-organized manner to persuade, inform, and convey ideas in academic, work, family and community settings.

Assessment: The student will use scientific/professional terminology during class discussions and show mastery of the material in written exams.

Criterion: 80% of the class will pass the Final Exam with a minimum of 70% of the exam grade.

X. COURSE OBJECTIVES:

1. Describe and discuss each life-threatening situation according to the clinical classifying system of non-cardiac emergencies and cardiac emergencies.
2. List for each life-threatening situation the following factors:

Predisposing Factors Prevention
Clinical Manifestations
Pathophysiology
Management
3. Give several reasons why the number of life threatening emergency incidents is on the rise.
4. Review the ASA physical status classification system as it correlates for dental treatment.

5. Describe the stress reduction protocol and procedures which minimize the risk presented by a dental patient.
6. List the four (4) aspects which comprise adequate preparation of a dental office in the rapid and effective management of life-threatening situations.
7. Compare and contrast the use of commercial versus homemade emergency kits for the dental office.
8. Review relevant general information for the following clinical entities:

Vasodepressor Syncope	Overdose Reaction
Hyperglycemic	Heart Failure
Allergy	Cerebral Ischemic
Angina Pectoris	Myocardial Infarction
Epilepsy	Orthostatic Hypotension
Acute Hyperventilation Syndrome	Asthma
Hypoglycemic Reactions	Adrenal Insufficiency
Thyroid Crisis	
9. Describe course of action for treatment of soft tissue injuries of the oral cavity such as inadvertent laceration of tissues or broken instrument tips.

XI. METHOD OF INSTRUCTION:

Lecture
 PowerPoint Presentations
 Videos
 Discussions

XII. METHODS OF EVALUATION:

Written Final Examination (40%)
 Role-Playing Scenario Exam (20%)
 Quizzes (40%)

Course letter grade will be based on the following scale:

90-100% = A
 80- 89% = B
 70- 79% = C
 <69% = F

PLEASE NOTE: SCHEDULE IS SUBJECT TO CHANGE

**DH 210 – EMERGENCIES IN DENTAL PRACTICE
 TENTATIVE LECTURE SCHEDULE – SPRING 2015**

NOTE: SCHEDULE SUBJECT TO CHANGE. STUDENTS ARE RESPONSIBLE FOR ALL THE ANNOUNCEMENT AND MATERIALS COVERED DURING THE CLASS.	LECTURE TOPIC	PRE-CLASS READING ASSIGNMENTS
WEEK 1	INTRODUCTION	CH. 1 – 2, 22

2/09/15	EMERGENCY KIT BROKEN INSTRUMENT TIP	
WEEK 2 2/16/15	PRESIDENT'S DAY	
WEEK 3 WEEK 4 3/02/15 1:00PM – 3:10	QUIZ 1 VITAL SIGNS AND HYPERTENSIVE URGENCY AND EMERGENCY. OXYGEN ADMINISTRATION.	CH 3, 4
	SYNCOPE. HYPERVENTILATION.	CH. 5, 7
WEEK 5 3/09/15	QUIZ 2 OBSTRUCTED AIRWAY OR ASPIRATION OF A FOREIGN OBJECT.	CH. 14,
WEEK 6 3/16/15	CEREBROVASCULAR ACCIDENT.	CH. 9
WEEK 7 WEEK 8 3/30/15 1:00PM TO 3:10PM	QUIZ 3 HEART FAILURE AND ACUTE PULMONARY EDEMA	CH. 11
	ADRENAL INSUFFICIENCY AND CRISIS. THYROID EMERGENCIES.	CH. 13 CH. 17, 18
WEEK 9 4/6-10/15	SPRING BREAK	
WEEK 10 4/13/15	QUIZ 4 DIABETES-RELATED EMERGENCIES	CH. 16
WEEK 11 4/20/15	SHOCK	CH. 6,
WEEK 12 WEEK 13 5/04/15 1:00PM – 3:10PM	QUIZ 5 SEIZURE DISORDERS	CH. 8
	ANGINA PECTORIS AND MYOCARDIAL INFARCTION	CH. 10

WEEK 14 5/4/15	QUIZ 6 ALLERGIC REACTIONS	CH 15
WEEK 15 5/11/15	DRUG OVERDOSE AND TOXICITY INADVERTENT LACERATION OF TISSUES IN THE ORAL CAVITY AND WOUND MANAGEMENT	CH. 24
FINAL'S WEEK 6/03 – 09/2014	FINAL EXAM AND ROLE-PLAYING SCENARIO EXAM DATE AND TIME TBA	

