

DH 69 Course Outline as of Fall 2017**CATALOG INFORMATION**

Dept and Nbr: DH 69

Title: MED EMERG/DENT PRAC

Full Title: Medical Emergencies in Dental Practice

Last Reviewed: 3/14/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.00	Lecture Scheduled	1.00	17.5	Lecture Scheduled	17.50
Minimum	1.00	Lab Scheduled	0	17.5	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	1.00		Contact Total	17.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 35.00

Total Student Learning Hours: 52.50

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly: DH 71.1

Catalog Description:

This course provides the student with the basics in the prevention and management of medical emergencies in the dental practice. Emphasis is on the recognition of clinical signs and symptoms of emergencies and the prevention of emergency escalation. The management of medical emergencies is outlined along with drugs and equipment utilized in an emergency.

Prerequisites/Corequisites:

Course Completion or Current Enrollment in DH 71A and DE 51

Recommended Preparation:**Limits on Enrollment:**

Acceptance to Allied Dental Program

Schedule of Classes Information:

Description: This course provides the student with the basics in the prevention and management of medical emergencies in the dental practice. Emphasis is on the recognition of clinical signs and symptoms of emergencies and the prevention of emergency escalation. The management of medical emergencies is outlined along with drugs and equipment utilized in an emergency.
(Grade Only)

Prerequisites/Corequisites: Course Completion or Current Enrollment in DH 71A and DE 51
Recommended:
Limits on Enrollment: Acceptance to Allied Dental Program
Transfer Credit: CSU;
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	Area	Effective:	Inactive:
CSU GE:	Transfer Area	Effective:	Inactive:
IGETC:	Transfer Area	Effective:	Inactive:
CSU Transfer:	Transferable	Effective: Spring 2001	Inactive:
UC Transfer:		Effective:	Inactive:

CID:

Certificate/Major Applicable:

Major Applicable Course

COURSE CONTENT

Student Learning Outcomes:

At the conclusion of this course, the student should be able to:

1. Discern and manage the medical emergencies potentially occurring in the dental hygiene practice in a rapidly changing health care environment.
2. Acquire and synthesize health-related information in a critical, scientific, and effective manner.
3. Systematically collect, analyze, and accurately record baseline data, on the general, oral, and psychosocial health status of patient.

Objectives:

Upon completion of this course, the student will be able to:

1. Apply theoretical knowledge base, including physiological and psychological concepts, in preventing medical emergencies in the dental office.
2. Apply theoretical knowledge base, including physiological and psychological concepts, in responding to emergency medical emergencies.
3. Recognize and respond to the signs and symptoms of the most common medical emergencies that occur in a dental office, and discuss the importance of a thorough medical history for each patient.
4. Analyze emergency situations and implement appropriate protocols.
5. Obtain, interpret, and evaluate a completed medical and dental history for every patient.
6. Communicate effectively in interactions with the emergency health care providers and patients.
7. Demonstrate critical thinking behaviors in responding to emergency situations.
8. Recognize and prepare the items commonly found in a basic emergency kit.
9. Recognize and operate the equipment necessary to manage a medical emergency in a dental office.
10. Perform the "team approach" to prepare the dental team for medical emergencies.
11. Evaluate and monitor vital signs for indication of need for treatment modifications or in

emergency management.

12. Demonstrate the utilization of information found in the Dental Drug Reference in relation to health history and treatment planning for stress reduction protocol.

Topics and Scope:

I. Preventing Medical Emergencies

- A. Evaluation and health history review
- B. Patient vital signs
- C. Stress management
- D. Effective communication

II. Emergency Preparedness

- A. Staff preparation & Cardio Pulmonary Resuscitation (CPR) certification
- B. Role of each staff member
- C. Basic emergency kit
 1. Emergency drugs
 2. Emergency devices

III. Early Recognition of Signs and Symptoms

- A. Unconsciousness
 1. Syncope
 2. Orthostatic hypotension
 3. Acute adrenal insufficiency
- B. Respiratory distress
 1. Foreign body airway obstruction
 2. Hyperventilation
 3. Asthma
 4. Heart failure/acute pulmonary edema
- C. Altered consciousness
 1. Diabetes
 - a. Insulin shock
 - b. Diabetic coma
 2. Thyroid gland dysfunction
 3. Cerebrovascular accident

IV. Seizures

- A. Absence/partial seizures
- B. Tonic clonic seizures

V. Drug Related Emergencies

- A. Drug overdose
- B. Drug allergy

VI. Anaphylaxis

VII. Chest Pain

- A. Angina pectoris
- B. Acute myocardial infarction

VIII. Cardiac Arrest

Assignment:

1. Assigned reading from textbook and other assigned reading (approximately 25 - 35 pages weekly)
2. Complete 5 - 10 quizzes, mid-term and final
3. Develop a medical emergency flow chart
4. Role play in medical emergency preparedness peer evaluations

5. Complete group oral/written project

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Group project paper

Writing
10 - 20%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Medical emergency flowchart

Problem solving
10 - 15%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Peer evaluations of role playing scenarios of emergency preparedness

Skill Demonstrations
10 - 15%

Exams: All forms of formal testing, other than skill performance exams.

Quizzes (5 -10), midterm, final

Exams
50 - 60%

Other: Includes any assessment tools that do not logically fit into the above categories.

Group oral presentation

Other Category
10 - 15%

Representative Textbooks and Materials:

Medical Emergencies in the Dental Office. 7th ed. Malamed, Stanley. Mosby. 2015
Instructor prepared materials