

**DH 69 Course Outline as of Fall 2008****CATALOG INFORMATION**

Dept and Nbr: DH 69

Title: MEDICAL EMERGENCIES

Full Title: Medical Emergencies

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	8	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 office. 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 ( or DH 71) and Course Completion or Current Enrollment in DE 51

**Recommended Preparation:****Limits on Enrollment:****Schedule of Classes Information:**

Description: This course provides the student with the basics in the prevention and management of medical emergencies in the dental office. 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 ( or DH 71) and Course Completion or Current Enrollment in DE 51

Recommended:

Limits on Enrollment:

Transfer Credit: CSU;

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

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:

<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
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<b>CSU Transfer:</b>	Transferable	Effective:	Spring 2001	Inactive:
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<b>UC Transfer:</b>	Effective:	Inactive:
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**CID:**

**Certificate/Major Applicable:**

Major Applicable Course

## **COURSE CONTENT**

### **Outcomes and 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 training drills using the "team approach" to prepare members of the dental team for medical emergencies.
11. Take, evaluate, and record the patient's vital signs and recognize the significance of the signs in relation to patient treatment.
12. Demonstrate the utilization of the Dental Drug Reference in relation to health history and treatment planning.

**Topics and Scope:**

- I. Preventing medical emergencies
  1. Complete and updated health history
  2. Patient vital signs
  3. Stress management
  4. Dental Drug Reference
- II. Emergency preparedness
  1. Staff preparation (CPR certification)
  2. Roles of each staff member
  3. Role playing and drills
  4. Early recognition
- III. Medical emergency procedures
  1. SRJC emergency protocol
  2. Emergency drugs and devices
  3. Airway patient maneuver
  4. Emesis/foreign body removal maneuver
  5. Broken instrument tip
  6. Syncope
  7. Hyperventilation
  8. Angina pectoris
  9. Cardiac arrest
  10. Myocardial infarction
  11. Respiratory arrest
  12. Asthma
  13. Diabetes: insulin shock/diabetic coma
  14. Epilepsy
  15. Cerebrovascular accident (stroke)
  16. Anaphylactic shock

**Assignment:**

1. Weekly chapter readings (10-20 pages), and complete end-of-chapter exercises.
2. Develop a medical emergency flow chart.
3. Develop a medical emergency evaluation.
4. Complete case studies.
5. Participate in role playing.

**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.

None, This is a degree applicable course but assessment tools based on writing are not included because problem solving assessments and skill demonstrations are more appropriate for this course.

Writing  
0 - 0%

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

Homework problems, case studies

Problem solving  
10 - 15%

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

Class performances: role playing, simulations; performance exams.

Skill Demonstrations  
25 - 35%

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

Quizzes (4-6), midterm, final. Multiple choice, true/false, completion, case-based exams

Exams  
40 - 50%

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

Professionalism: Criteria used for evaluation is in Dental Student Handbook. Medical emergency flowchart, medical emergency evaluation.

Other Category  
15 - 25%

### **Representative Textbooks and Materials:**

Required Textbooks:

Medical Emergencies in the Dental Office. Malamed, Stanley. Mosby, 6th edition, 2006.

Applied Pharmacology for the Dental Hygienist, Requa-Clark, Barbara. Mosby, 4th edition, 1999

Clinical Practice of the Dental Hygienist, Wilkins, Esther M., Lippincott, Williams & Wilkins, 9th edition, 2008

Supplemental Textbooks:

Mosby's Dental Drug Reference, Mosby, 6th ed., 2001