

DH 69 Course Outline as of Fall 2011**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 Course Completion or Current Enrollment in DE 51

Recommended Preparation:**Limits on Enrollment:**

Acceptance into 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 Course Completion or Current Enrollment in DE 51

Recommended:

Limits on Enrollment: Acceptance into 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:
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CSU Transfer: Transferable	Effective:	Spring 2001	Inactive:
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UC Transfer:	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 the "team approach" to prepare 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:

1. Preventing medical emergencies
 - a. Complete and updated health history
 - b. Patient vital signs
 - c. Stress management
 - d. Dental Drug Reference
2. Emergency preparedness
 - a. Staff preparation Cardio Pulmonary Resuscitation (CPR certification)
 - b. Role of each staff member
 - c. Role playing
 - d. Early recognition
3. Effective communication
4. Medical emergency procedures
 - a. Site-specific emergency protocol
 - b. Emergency drugs and devices
 - c. Airway patient maneuver
 - d. Emesis
 - e. Foreign body removal
 - f. Syncope
5. Recognition of signs and symptoms
 - a. Hyperventilation
 - b. Angina pectoris
 - c. Cardiac arrest
 - d. Myocardial infarction
 - e. Respiratory arrest
 - f. Asthma
 - g. Epilepsy
 - h. Cerebrovascular accident (stroke)
 - i. Anaphylactic shock
6. Diabetes
 - a. insulin shock
 - b. diabetic coma
7. Basic Emergency kit.

Assignment:

1. Weekly chapter readings (10-20 pages), and complete end-of-chapter exercises
2. Do 4-6 quizzes, mid-term and final
3. Develop a medical emergency flow chart
4. Develop a medical emergency evaluation
5. Complete case studies
6. 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: training drills; performance exams.

Skill Demonstrations
25 - 35%

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

Quizzes (4-6), midterm, final, completion of case-based exams

Exams
40 - 50%

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

Class participation and attendance.

Other Category
5 - 10%

Representative Textbooks and Materials:

Required:

Clinical Practice of the Dental Hygienist, Wilkins, E., Lippincott, Williams and Wilkins, 10th Ed, 2008

Medical Emergencies Essentials for the Dental Professional, Grimes, E., Pearson, 6th Ed., 2009

Drug Information Handbook for Dentistry, Wynn, R., Lexi-Comp, 16th Ed., 2010

Supplemental Texts:

Tabor's Cyclopedia Medical Dictionary, F.A. Davis Company, 21st Ed., 2009

Mosby Medical Dictionary, Mosby, 2010, 6th Ed., Elsevier