

DH 71.1 Course Outline as of Spring 2001**CATALOG INFORMATION**

Dept and Nbr: DH 71.1 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	2.00	17	Lecture Scheduled	34.00
Minimum	1.00	Lab Scheduled	0	8	Lab Scheduled	0
		Contact DHR	0		Contact DHR	0
		Contact Total	2.00		Contact Total	34.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 68.00

Total Student Learning Hours: 102.00

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:

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:

DH 71; evidence of satisfactory completion of a course in CPR (adult and child or health care provider) by the American Heart Association or Red Cross.

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: DH 71; evidence of satisfactory completion of a course in CPR (adult and child or health care provider) by the American Heart Association or Red Cross.

Recommended:

Limits on Enrollment:

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:

Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:

Lecture Objectives

The student will:

1. Complete a course in CPR and provide the instructor with a copy of the current certificate before the end of the class.
2. List the most common medical emergencies found in the dental office.
3. Give examples of management techniques for each medical emergency.
4. Discuss the importance of a completed medical and dental history for each patient.
5. Explain what can be done to prepare the dental office and its personnel for a medical emergency.
6. List some of the possible responsibilities and duties of the RDH during a medical emergency.
7. List the items commonly found in a basic dental office emergency kit.
8. List other equipment found in a dental office that may be needed for an emergency.
9. Explain why it is important for every member of the dental team to be trained in CPR and maintain a current certificate.
10. Explain the significance of having emergency numbers posted at each phone.
11. Discuss possible training drills using the "team approach" to prepare the dental office for a medical emergency.
12. Describe the symptoms and demonstrate the treatment for the following emergencies that may occur in the well patient to include

the physiology and symptoms:

- a. Vasopressor syncope
- b. Hyperventilation syndrome
- c. Syncope
- d. Postural hypotension

13. Describe the emergencies that might be expected and the procedures to take to prevent the occurrence of the emergency for patients with the following diseases - include the basic physiology and symptoms:

- a. Congestive heart failure
- b. Angina Pectoris
- c. Cerebral Vascular Accident
- d. Coronary Occlusion
- e. Diabetes
- f. Epilepsy
- g. Asthma
- h. Hyperthyroidism
- i. Adrenal insufficiency

14. Describe and demonstrate the emergency treatment that would be given in a dental office for the conditions listed in number (13) above.

Clinical Objectives

The student will:

1. Define duties of each of the following team members in the management of medical emergencies; dentist, auxiliary and receptionist.
2. Identify location of emergency equipment and phone numbers
3. Identify contents of and preparation of drugs in an emergency kit.
4. Perform routine check of supplies for working condition and expiration.
5. Recognize signs and symptoms of common medical emergencies
6. Demonstrate the auxiliary's role in the treatment of emergencies involving conscious, partially conscious and unconscious patient.
7. Elicit and record response from patients that will comprise a complete and thorough health history.
8. Take, evaluate, and record the patient's vital signs and recognize the significance of the signs in relation to patient treatment.
9. Write a treatment plan to include appropriate precautions for the patient's condition.
10. Demonstrate the utilization of the Dental Drug Reference in relation to health history and treatment planning.
11. Demonstrate with 100% accuracy the use of the clinic oxygen systems.
12. Identify and demonstrate the procedure that should be initiated in response to dental office emergencies.
13. Demonstrate a telephone call the city rescue squad that includes the information required to get the squad to the site of the emergency in the shortest possible time.

Topics and Scope:

Medical Emergency Procedures:

1. Santa Rosa Junior College emergency protocol
2. Emergency drugs and devices
3. Airway patient maneuver

4. Emesis/foreign body 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:

Develop a Medical Emergency Flow Chart

Develop a Medical Emergency Evaluation

EDUCATIONAL RESOURCES:

Color slides

Slide and audio tape programs

Videotapes of specific procedures

Educational samples

Transparencies

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, Quizzes, Exams, Skill demonstrations

Problem solving
10 - 45%

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

Class performances, Performance exams, Skill demonstrations

Skill Demonstrations
25 - 40%

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

Multiple choice, True/false, Completion, Case-based exams

Exams
10 - 30%

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

Professionalism: Criteria used for evaluation on file.

Other Category
15 - 45%

Representative Textbooks and Materials:

Required Textbooks:

Medical Emergencies in the Dental Office. Malamed, Stanley. Mosby, 5th edition, 1999

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, 8th edition, 1999

Supplemental Textbooks:

Taber's Cyclopedia Medical Dictionary, Davis, 18th edition, 1997