

DHYG 222-MEDICAL EMERGENCIES 2 CREDITS

SYLLABUS

CATALOG DESCRIPTION

A study of life-threatening emergencies which occur in the dental setting and the prevention, preparation and management of these emergencies. This course is primarily designed for the Dental Health Care Provider and covers emergencies commonly encountered in the dental setting.

Prerequisites: DHYG 110, 112, 113, 114, 115, 217

Semester Offered: Spring

Common Student Learning Outcomes

Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...

BROAD AND SPECIALIZED LEARNING

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

CRITICAL THINKING

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

CULTURAL AND CIVIC ENGAGEMENT

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

EFFECTIVE COMMUNICATION

Students will exchange ideas and information with clarity in multiple contexts.

INFORMATION LITERACY

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

INTEGRATING TECHNOLOGIES

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.

Course Goals

The student will demonstrate competency at 75% or higher for the following outcomes evaluated through written exams, quizzes, classroom participation and lab simulations.

Course Learning Outcomes

Upon successful completion of the course, the student will be able to...

1. Explain the essential components of an emergency kit in the dental clinic.
2. Discuss the importance of, and demonstrate the ability to take and record vital signs.
3. Determine normal and abnormal vital signs.
4. Discuss hypertension, including its predisposing factors and prevention strategies.
5. Demonstrate the proper methodology for oxygen administration.
6. Apply suggested treatment modalities for syncope.
7. Discuss the various types of shock.
8. Determine treatment modalities for hyperventilation.
9. Explain and demonstrate the suggested treatment modalities for patients experiencing seizures.
10. Discuss the pathophysiology of both forms of cerebrovascular accidents.
11. Explain the steps needed to prepare an office to manage a patient experiencing a CVA.
12. Describe the factors that may precipitate an angina attack or myocardial infarction.
13. Describe the procedure for managing a patient experiencing an anginal attack.
14. Demonstrate the procedure for the management of a patient experiencing cardiac arrest.
15. Describe the pathophysiology associated with both right and left ventricular heart failure.
16. Demonstrate the procedure for the management of acute pulmonary edema and heart failure in the dental setting.
17. List specific signs and symptoms associated with pacemaker or ICD malfunction.
18. Determine appropriate emergency treatment for a patient experiencing an asthma attack.
19. Apply appropriate treatment modalities for foreign body aspiration or obstructed airway.
20. Explain and demonstrate the steps to manage a patient experiencing an allergic response.
21. Determine the treatment modalities for managing a patient experiencing DKA and hypoglycemia.
22. Discuss the pathophysiology of adrenal crisis and thyroid emergencies.
23. Summarize the management of bleeding emergencies.
24. Explain the prevention and management of a broken instrument tip.
25. Describe suggested treatment for avulsed teeth.
26. Recognize and determine the treatment for drug overdose and toxicity.