Course Number and Name: DH4110 Medical Emergencies; D 8500

Course Type (underline one): Lecture Laboratory Clinical Seminar Selective

Academic Year/Semester Offered: ___X___ Fall ___ Spring Semester ___X___ Summer Session

Course Director (include degrees): Dr. David Grogan, DDS, MSD

Other Participating Faculty: Lecture: Dr. Marianela Gonzalez

Course Description:
Since 1994, this course has taught dental and dental hygiene students as a DENTAL TEAM, in much the same way that you will function in an actual dental office, following graduation. The course places an increased emphasis on participation and “touch-feel-do” (versus lectures). The concepts presented are designed to be of value in a dental office situation after graduation. This preliminary outline is subject to change at any time at the discretion of the course director. Students are accountable for assigned reading. It’s up to the individual lecturers as to whether they wish to distribute handouts. Handouts are used as working outlines to assist note-taking and may not contain all materials that may appear on tests. Third year dental students and 2nd year dental hygiene students will be exposed to a variety of topics in the prevention, recognition, and management of medical emergencies in the dental office setting. The course requirements will include participation in mock drills in a realistic clinical setting (held in a clinic setting during the following Fall Semester).

Course Objectives:
At the completion of the course the student should:
1. Understand the preventive measures that will minimize the occurrence of most common medical emergencies.
2. Be able to recognize the signs and symptoms of the most commonly-encountered emergencies and understand their underlying physiology.
3. Know the initial steps to take to preserve the life of the patient until advanced medical help.
4. Understand the basic principles of designing and assembling an emergency drug kit, and writing an office emergency plan.
5. Understand how the office plans interfaces with the community EMS system resources.
6. Understand how the HSC-Baylor College of Dentistry emergency response operates in a similar manner, but with a higher degree of sophistication to the response via the “Code Blue” team.
7. Understand the importance of incorporating new technology, such as AEDs and PBGMs in office emergency equipment sets.

Related Competencies:
1.6 Comply with state and federal laws governing the practice of dentistry and dental hygiene.
2.1 Solve problems and make decisions based on accepted scientific principles.
3.2 Expand and contribute to the knowledgebase of dental hygiene.
6.1 Obtain, review and update a complete medical, family, psychological, and dental history including an assessment of vital signs.
6.3 Determine medical conditions that require special precautions or consideration prior to or during dental hygiene treatment.
6.4 Identify the patient at risk for a medical emergency, and be prepared to handle the emergency should it occur during an appointment.
6.5 Perform and extraoral and intraoral examination and accurately record the findings.
8.5 Select and administer the appropriate preventive and/or antimicrobial (chemotherapeutic) agents and provide pre- and post-treatment instructions.

**Evaluation Criteria/Methods:**
There will be a mid-semester and a final examination covering all course material, including assigned reading materials. If you miss the midterm or final the make-up exam will be an Essay examination. The Final Course grade will be a weighted compilation of the midterm & final examinations. The course grade will be retroactively changed to "Failure" if any student fails to participate in and pass a mock drill scenario session to be held during the Fall Semester, 2010, until the drill scenarios are passed. The weighted value of all graded components is:

- Midterm Exam: 50%
- Final Exam: 50%
- Clinical Mock Drill: 0%*(Pass/Fail, Fall Semester, 2010)

*(Pass/Fail, Fall Semester, 2010)

You cannot fail the Final Examination and pass the course. Anyone scoring below 70 on the adjusted Final Examination score will have to retake the test to obtain a passing score, but the original exam score will be used to establish the course grade. If the 2nd exam is also failed, a grade of 69 will be submitted.

**Attendance Policy:**
We believe that diligent attendance in lectures is a sign of responsible professionalism (and may also increase grades). You may sit in any seat unless otherwise advised by the Course Director or Co-Director.

**Laboratory/Clinic Policies and Procedures:**
N/A

**Learning Materials:**
Departmental Syllabus

**Remediation Policy:** Due to the important nature of the contents of this course to patient safety and clinical practice, NO Remediation will be offered if a student fails the course. The course will have to be repeated in the following summer, which may require repetition of the entire academic year. The Mock Drill Scenarios will be remediated during the 2009 Fall Semester, until passed. Failure to pass the drills will result in the course grade being changed to “Fail” until the mock drill session is passed.