COURSE SYLLABUS

COURSE NO., HOURS AND TITLE: DH 212-2 Medical Emergencies in the Dental Office and General Diseases

COURSE INSTRUCTOR: Faith Y. Miller, RDH, MSEd, Associate Professor

OFFICE LOCATION & HOURS: Office: ASA 114A
Office hours: Posted on office door—by appt.
Phone: 618.453.8880 Cell: 618.305.9840
E-mail: fymbags@siu.edu

MEETING TIMES AND LOCATION: Lecture, two hours weekly Thursdays 10-11:50 am. ASA Room 9D.
Thursday January 21, 2016 to May 5, 2016. Final Exam: Friday May 13, 2016 8-10:00 am, ASA Room 15.

ACADEMIC HONESTY: Students are expected to adhere to the policies regarding academic dishonesty and plagiarism, found in the latest edition of the SIUC Student Conduct Code [http://policies.siu.edu/documents/StudentConductCodeFINALMay32011.pdf] and [http://studentlife.siu.edu/policies_resources/resources.html].
All students are expected to adhere to a strict code of academic honesty. Academic dishonesty will be addressed according to the “Policies and Procedures Applicable to Academic Dishonesty” as stated in the Important Information for Students, Faculty, & Staff booklet.

From the Student Conduct Code, section II, article A:

Acts of Academic Dishonesty:

1. Plagiarism, representing the work of another as one’s own work;
2. Preparing work for another that is to be used as that person’s own work;
3. Cheating by any method or means;
4. Knowingly and willfully falsifying or manufacturing scientific or educational data and representing the same to be the result of scientific or scholarly experiment or research;
5. Knowingly furnishing false information to a university official relative to academic matters;
6. Soliciting, aiding, abetting, concealing, or attempting conduct in violation of this code.

Sanctions will be imposed for violations of this policy in accordance with the Student Conduct Code. A copy of the Important Information for Students, Faculty & Staff booklet can be obtained from the Office of the Vice Chancellor for Student Affairs, Mailcode 4308, Southern Illinois University, Carbondale, IL 62901-4308.

ADA ACCOMMODATIONS: In keeping with the goal of the implementation of the Americans with Disabilities Act (ADA), all students for whom this act applies should notify the instructor immediately. If any student needs special services, please contact a faculty member or Disability Support Services at 453-5738. Peer tutors are also available; see Robert Broomfield, Academic Advisor for the School of Allied Health for details.
EMERGENCY PROCEDURES:
Southern Illinois University Carbondale is committed to providing a safe and healthy environment for study and work. Because some health and safety circumstances are beyond our control, we ask that you become familiar with the SIUC Emergency Response Plan and Building Emergency Response Team (BERT) program. Emergency response information is available on posters in buildings on campus, available on the BERT’s website at www.bert.siu.edu, Department of Public Safety’s website www.dps.siu.edu (disaster drop down) and in the Emergency Response Guidelines pamphlet. Know how to respond to each type of emergency.

Instructors will provide guidance and direction to students in the classroom in the event of an emergency affecting your location. It is important that you follow these instructions and stay with your instructor during an evacuation or sheltering emergency. The Building Emergency Response Team will provide assistance to your instructor in evacuating the building or sheltering within the facility.

COURSE DESCRIPTION:
DH 212 - Medical Emergencies in the Dental Office and General Diseases
The student will learn about medical conditions which may affect or alter the provision of oral care. Emphasis is on acquiring and evaluating the medical, dental and drug history and treatment of general diseases. Modification of treatment plans will be discussed. Class is 16 weeks including two hours of lecture weekly. Prerequisite: Microbiology 201.

PROGRAM COMPETENCIES:
Core Competencies (C)
C.14 Manage medical emergencies by using professional judgment, providing life support, and utilizing required CPR and any specialized training or knowledge.

Patient Care (PC)
PC.3 Recognize the relationships among systemic disease, medications, and oral health that impact overall patient care and treatment outcomes.
PC.4 Identify patients at risk for a medical emergency, manage the patient care in a manner that prevents a medical emergency.

Source: American Dental Education Association. ADEA Competencies for Entry into the Allied Dental Professions J Dent Educ 75, 7, 941-948, July 2011.

COURSE OBJECTIVES:
Upon completion of this course, the student will be able to:
1. Explain the reasons for a comprehensive health history in the dental office;
2. Complete a comprehensive health history using a questionnaire and interview technique;
3. Identify responses on the health history that require additional questioning;
4. Identify responses on the health history which require consultation with the patient’s physician and write an appropriate consultation request;
5. Identify responses on the health history which require considerations in appointment planning;
6. Identify responses on the health history which require special precautions to prevent disease transmission;
7. Identify responses on the health history which require pre-medication;
8. Identify patients with systemic medical conditions for whom dental treatment is contraindicated until a specific condition is treated;
9. State reasons and procedures for updating a health history at every appointment;
10. Explain the reasons for a medical emergency plan
11. Recognize and identify signs and symptoms associated with several medical emergencies;
12. Appropriately treat, abort, or prevent the emergencies studied;
13. Identify the location of emergency equipment and become familiar with its use;
14. Identify the contents of the emergency kit and explain its use.

**CONTENT OUTLINE:**

<table>
<thead>
<tr>
<th>Topics</th>
<th>Percentage of Time</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>I. Medical History/Dental History</strong></td>
<td>12%</td>
</tr>
<tr>
<td>Purpose of the Health History</td>
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<tr>
<td>Questionnaire/Interview</td>
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<tr>
<td><strong>II. Medical Conditions and Their Potential Emergencies</strong></td>
<td>65%</td>
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<tr>
<td>General health</td>
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<tr>
<td>Heart conditions</td>
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<td>Pre-medications against bacterial endocarditis</td>
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<td>Stress reduction protocol</td>
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<tr>
<td>Medical consultation</td>
<td></td>
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<tr>
<td>Anxiety</td>
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<tr>
<td>Allergy/sinus</td>
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<tr>
<td>Asthma</td>
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<tr>
<td>Seizures/epilepsy</td>
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<tr>
<td>Diabetes</td>
<td></td>
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<tr>
<td>Arthritis/rheumatism</td>
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<tr>
<td>Ulcers, renal problems</td>
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<tr>
<td>Hyper-, hypothyroidism</td>
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<tr>
<td>Blood disorders</td>
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<tr>
<td>Medications, See: <em>Drug Info Handbook for Dentistry</em> [latest edition]</td>
<td>5%</td>
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<tr>
<td>(or WebMD application for your Smart phone)</td>
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<tr>
<td><strong>III. Medical Emergency Management</strong></td>
<td>17%</td>
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<tr>
<td>Emergency policy/procedures</td>
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<tr>
<td>Emergency kit/equipment</td>
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<tr>
<td>Syncope</td>
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<td>Unconsciousness</td>
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<td>Airway obstruction</td>
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<td>Hyperventilation</td>
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<td>Allergy/Anaphylaxis</td>
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<tr>
<td>Asthma</td>
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<td>Acute adrenal insufficiency</td>
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<tr>
<td>Seizure</td>
<td></td>
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<tr>
<td>Diabetes</td>
<td></td>
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</tbody>
</table>
Heart conditions
Drug-related emergencies

**IV. Dental Emergencies**
Abscesses, tooth trauma, avulsed teeth

**TEXTBOOKS:**

**Required:**

**Recommended:**

**Recommended Readings:**
Current articles published in refereed and non-refereed professional journals and any by SIUC DH faculty where applicable. (Examples: *Access, Journal of Dental Hygiene, Journal of Practical Hygiene, RDH, Dimensions of Dental Hygiene*) Most the journals are available solely online or in both media—print or internet-based versions. Supplemental handouts with any necessary updates will be supplied throughout the semester as they become available. **This material is test worthy.**

**ATTENDANCE POLICY:**

**Attendance Policy & Professionalism:** Attendance is **required.** Students are expected to be punctual and prepared for class. **Five points from the final cumulative point total will be deducted for every class period missed without prior consultation with the Instructor.** Mutual respect is assumed. A professional attitude is expected at all times during the class and all discussions with the Instructor.

**Expectations of Professionalism:**

- Students are expected to arrive to class on time and prepared (assignments ready to hand in, readings accomplished, etc.). **Late arrivals will receive a deduction of points from the final point total.** As stated in the attendance policy, students are expected to attend all class and lab sessions (if applicable).
- Please **do not wait until the last minute** to consult with the Instructor if you are having difficulty with the course or even a fellow classmate. Any missed quizzes or tests cannot be made up unless an acceptable excuse is given along with accompanying documentation.
- The student is responsible for obtaining any missed course notes from a fellow classmate.
- All work submitted for grading should be typewritten or legible if handwritten (see criteria for individual assignments), well organized, and multiple pages **stapled together, not torn corners, or paper-clipped.** Failure to do so will result in the work being returned to the student and a deduction of points for not following instructions.
- Students seen reading the newspaper will be promptly dismissed from the classroom/lab. Those caught “napping” will be asked to stand.
- **All pagers, cell phones, iPods, MP3 players, tablets, or other electronic devices with the exception of those directly related to the well-being of the student MUST be turned off or silenced.** If you must receive a phone call during class, please sit to the
rear of the room nearest the door to make a quiet exit, if necessary for an emergency. Cell phone use is strictly prohibited during class and especially during exam times. See statement on Examination Protocol below. CAVEAT: There are times where the use of iPads, tablets, and Smartphones will be permitted.

Excessive talking and chatter while the Instructor or classmate has the “floor” is not only disrespectful, but also disruptive towards the accomplishment of the objectives—PLEASE HAVE RESPECT FOR THE INSTRUCTOR AND YOUR FELLOW CLASSMATES.

Students are expected to dress appropriately for all (applicable) lab sessions (see lab schedule). Absolutely no jewelry will be worn during lab where direct patient contact occurs.

(Above guidelines adapted from: The Purposes of a Syllabus, Jay Parkes and Mary B. Harris)

COURSE DELIVERY/METHODOLOGY: This course will be presented using various forms of media including PowerPoint, videos, and DVD/CD-Roms where appropriate, in a lecture/discussion format; Desire2Learn™, and the internet. In addition, elements of problem-based learning will be used to further the student’s knowledge in the recognition and application of emergency medical procedures typically expected in a dental office setting.

What is Problem-Based Learning?
According to the Problem-Based Learning Initiative website at: http://www.pbli.org/pbl/pbl.htm: PBL is a learner-centered educational method. In PBL learners are progressively given more and more responsibility for their own education and become increasingly independent of the teacher for their education. PBL produces independent learners who can continue to learn on their own in life and in their chosen careers. The responsibility of the teacher in PBL is to provide the educational materials and guidance that facilitate learning. (Reviewed 17 Dec 2008)
This process will be further explained throughout the course of the semester as the student becomes more engaged with the subject matter incorporated in this course. The students will employ this method when working in teams on the case study and medical emergency simulation.

The students will be divided into teams and given an emergency situation in which they will perform the necessary steps to take in order to provide assistance in a timely manner. The teams will be determined based upon the students’ clinic session and chair assignments. This is REQUIRED of all DH 212 students and is graded Pass/Fail. (See DH 212 Homework Assignments and Due Dates)

GRADING:
Grading/Final Grade/Grading Scale:
The final grade received in the course will be based on the number of cumulative points earned on the homework and classroom assignments, tests, quizzes, and final examination. The actual number of overall points earned will be divided by the number of total points possible and multiplied by 100 to arrive at the percentage (or standard score) for the course final grade. This is figured on an individual basis; therefore, the student will receive the grade they earned based upon the points accumulated for the work submitted. All students have the same opportunities for extra points (if any) and these points will be figured in on an individual basis as well.
Example: \( 430 \text{ (total points earned)} \div 500 = 0.86 \times 100 = 86.00 \) or \( 86\% = B \text{ (final course) grade} \)

GRADING SCALE:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Range</th>
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<tbody>
<tr>
<td>A</td>
<td>90-100</td>
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<tr>
<td>B</td>
<td>80-89</td>
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<tr>
<td>C</td>
<td>70-79</td>
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<tr>
<td>D</td>
<td>60-69</td>
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<tr>
<td>F</td>
<td>59 or less</td>
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**NOTE:** The minimum passing grade for this course is a “C”. If a grade of “D” or “F” is earned, the course must be retaken until a passing grade is achieved.

**COURSE REQUIREMENTS:**

Written examinations:

Quizzes/Exams (Published and Unannounced)

Homework Assignments (Refer to: DH 212 Homework Assignments and Due Dates)

Assignments are listed with due dates, grading criteria, and credits.

*Attitude/Classroom decorum (Class participation/Attendance, respect for faculty and peers)*

Exams/Quizzes: Written examinations may be multiple-choice, short answer, true/false, scenarios, or verbal responses. Announced quizzes/exams are published on the course schedule; any unannounced will commence at the beginning of the class. Late arrivals will receive a zero for that quiz. The number of quizzes administered will depend on the attitudes of students during class discussions or activities and classroom attendance. If absent, without prior excuse or consent of Instructor, a grade of zero will be assigned for homework, quiz, midterm, or final.

*Examination Protocol: On exam days students will place backpacks, purses and cell phones (in off or silent mode) in the rear of the classroom. These items may be retrieved upon submission of test and answer sheet to the Instructor. No excuse is acceptable for having a cell phone on your person or near your desk during an examination.*

Assignments: Homework assignments are due on the date designated on the tentative schedule. There will be a deduction of points for each day late. In addition, failure to complete all assigned work will result in a drop of a letter grade for the COURSE.
**Emergency Medical Simulation**
Teams will consist of classmates within your section of clinic during the designated time slots. (Example: Wedgewood section from Monday/Wednesday AM is a team; Wedgewood section from Mon/Wed PM is a team, etc., for SIX total teams) Students from the Screening Section will be assigned as appropriate. Each team will select a medical condition. **See Grading Criteria.**

Credit: Practical exam is Pass/Fail

### Point Tracker:

<table>
<thead>
<tr>
<th></th>
<th>P/F (no points given) REQUIRED</th>
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</thead>
<tbody>
<tr>
<td><strong>Assignments</strong></td>
<td>___ / ___</td>
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<tr>
<td><strong>Quizzes</strong></td>
<td>___ / ___</td>
</tr>
<tr>
<td><strong>Case Write-up</strong></td>
<td>___ / ___</td>
</tr>
<tr>
<td><strong>Exams Incl final</strong></td>
<td>___ / ___</td>
</tr>
<tr>
<td><strong>Total Credits possible:</strong></td>
<td>___ / ___</td>
</tr>
</tbody>
</table>

Extra Credit (if earned) will be added to overall point total.
SAFETY AWARENESS FACTS AND EDUCATION

Title IX makes it clear that violence and harassment based on sex and gender is a Civil Rights offense subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, etc. If you or someone you know has been harassed or assaulted, you can find the appropriate resources here: http://safe.siu.edu

SALUKI CARES

The purpose of Saluki Cares is to develop, facilitate and coordinate a university-wide program of care and support for students in any type of distress—physical, emotional, financial, or personal. By working closely with faculty, staff, students and their families, SIU will continue to display a culture of care and demonstrate to our students and their families that they are an important part of the community. For information on Saluki Cares: (618) 453-5714, or sucrases@siu.edu, http://salukicare.si.edu/index.html

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INCLUSIVE EXCELLENCE

SIU contains people from all walks of life, from many different cultures and sub-cultures, and representing all sorts of society, nationalities, ethnicities, lifestyles, and affiliations. Learning from and working with people who differ is an important part of education as well as an essential preparation for any career. For more information please visit: http://www.inclusiveexcellence.siu.edu/

LEARNING AND SUPPORT SERVICES

Help is within reach. Learning support services offers free tutoring on campus and math labs. To find more information please visit the Center for Learning and Support Services website:

   Tutoring: http://tutoring.siu.edu/

   Math Labs: http://math.siu.edu/courses/course-help.php

WRITING CENTER

The Writing Center offers free tutoring services to all SIU students and faculty. To find a Center or Schedule an appointment please visit http://write.siu.edu/

AFFIRMATIVE ACTION & EQUAL OPPORTUNITY

Our office's main focus is to ensure that the university complies with federal and state equity policies and handles reporting and investigation of discrimination cases. For more information visit: http://diversity.siu.edu/

Additional Resources Available:

   SALUKINET: https://salukinet.siu.edu/cp/home/displaylogin

   ADVISEMENT: http://advisement.siu.edu/

   PROVOST & VICE CHANCELLOR: http://pvcaa.siu.edu/

   SIU ONLINE: http://online.siu.edu

Spring 2016 EOLonline