

Course Information

Course Number: 4110
Course Title: Medical Emergencies
Section: 500
Time: Tuesday 9:00 am- 12:00 pm
Location: AEB Room 603
Credit Hours: 1

Instructor Details

Course Director: Jane C. Cotter, MS, RDH, CTTS, FAADH
Office: AEB 139 B
Phone: 214-828-8458
E-Mail: j_cotter@tamu.edu
Office Hours: By appointment

Additional Participating Faculty

Course Description

Discussions on the preparations for handling emergencies; prevention, recognition and management of various emergencies. The course includes case scenario presentations and mock hands-on drills.

Course Prerequisites

None

Special Course Designation

DH

Course Learning Outcomes

List Course Learning Outcomes/Objectives - Dental Hygiene

After completion of this course students will be able to:

1. Discuss how to prevent common medical emergencies and minimize their occurrence.
2. Recognize and evaluate the signs and symptoms of the most common emergencies.
3. Identify first steps to address common medical emergencies and stabilize patient until EMS arrives.
4. Create a medical emergency plan that can be used in private practice.
5. Identify all medications in an emergency drug kit and how they are administered.
6. Understand basic operating procedures of emergency equipment (Oxygen tanks, AED, glucose monitor).

Program Learning Outcomes- Dental Hygiene

- 1.2 Comply with state and federal laws governing the practice of dentistry and dental hygiene.
- 2.1 Apply critical thinking skills and evidence-based decision making to the practice of dental hygiene.
- 3.3 Contribute to the knowledge base of dental hygiene.
- 6.1 Determine medical conditions that require special precautions or consideration prior to or during dental hygiene treatment.
- 6.2 Perform an extra oral and intraoral examination of the patient including assessment of vital signs and radiographic examination and distinguish normal from abnormal findings.
- 6.3 Manage the patient at risk for a medical emergency and be prepared to handle the emergency should it occur during an appointment.
- 6.4 Recognize predisposing, etiologic risk factors, and life-style choices that may require intervention to prevent disease.
- 6.6 Determine the need for referral to the appropriate health professional.

Textbook and/or Resource Materials**Required:**

Medical Emergencies in the Dental Office, 8th Edition - January 31, 2022; Stanley F. Malamed; Elsevier
Paperback ISBN: 9780323776158 eBook ISBN: 9780323776165

Lecture objectives, handouts, Powerpoint slides, and other course materials will be posted to the course Canvas Learning Management web site.

Students are encouraged to acquire the required course material from vendors that provide the best value and amenities for their needs.

Grading Policy**Dental Hygiene Students**

LETTER GRADE	NUMERICAL GRADE RANGE	GRADE POINTS	DESCRIPTOR
A	90-100	4.0	Excellent
B	80-89	3.0	Good
C	75-79	2.0	Fair
D	70-74	1.0	Poor, may require remediation
F	Below 70	0.0	Failure
S		0.0	Satisfactory
U		0.0	Unsatisfactory
I			Incomplete (work or assignments)

Grades including the final course grade will not be curved or rounded.

Evaluation Criteria/Methods: Conscientious attention to deadlines, course-meeting times, completion of reading and/or written assignments, and active participation in all class activities can have a favorable impact on your learning, as well as that of your classmates. The final grade will be based on the following metrics:

Assessment Category	Value	Format
Exam 1	35%	Individual Grade
Office emergency plan	15%	Group Grade
Assignments Medical Emergency Scenarios	15%	Group Grade
Final Exam-Competency Evaluation	35%	Individual Grade
Total	100%	

Note: Assessment specific guidelines and rubrics are available as appendices.

*Students that make <75 on any assignments are **required** to meet with the course director to review individual performance and seek remediation, where necessary.

- Exam 1 and Competency Evaluation may be given in true/false, multiple choice, short answer, essay format, practical application/demonstration or any combination thereof. These exams will primarily assess the student's understanding and practical application of materials and concepts introduced in the lectures and associated assignments.
- Emergency guide and emergency scenarios' assignments will primarily assess students ability to manage common emergency situations in the dental office and provide accurate legal documentation and prepare dental office emergency plans.

Late Work Policy

- Late work will be accepted.
- 10 points will be lost for each day assignment is late including weekends.

Further information can be found at this link to [Student Rule 7](#).

Makeup assessments for excused absences must be administered either in advance of the scheduled exam or within 5 business days of the student's return from the absence.

Course Schedule

Course Topics, Calendar of Activities, Major Assignment Dates

Schedule is subject to change at any time during the semester

DATE	TOPICS	ASSIGNMENT	FACULTY
6/10/2025	Emergency drugs, routes administration, emergency equipment, prevention of medical emergencies, evaluation of patient risk.	Reading: Malamed Chps. 1,2 & 3	Cotter
6/17/2025	Common emergencies I; Syncope, Hypotension, Hypertension, Allergic reactions, Anaphylaxis, Hypoglycemia, Hyperglycemia	Required Reading: Malamed Chpt: 31 Chpt:17, Pgs. 264-271 Chpt: 24, Pgs. 406-411 Chpt: 16, Pgs. 246-249 Chpt: 12, Pg. 208	Cotter
6/24/2025	Common Emergencies II Cardiovascular, respiratory, CNS emergencies	Required Reading: Malamed Chpt: 13, Pg. 221 Chpt: 15, Pgs. 244-245 Chpt: 19, Pgs. 302-305 Chpt: 21, Pgs. 327-332 Chpt: 27, Pgs. 452-453 Chpt: 28, Pgs. 471-475	Cotter
7/1/2025	Exam 1		Cotter
7/8/2025	Creating an emergency plan, assembling emergency kit, assigning roles for staff	Required Reading: Malamed Chpt: 3 Chpt: 4	Cotter
7/2025 TBD	Medical Emergency Scenario Presentation		Cotter/Dr. Shehata
7/22/2025	Competency Evaluation	Emergency Plan assignment due submit on Canvas by 7/22/2025 by 11:59 pm	All DH Faculty

Optional Course Information Items

Technology Support

Students are responsible for maintaining their devices and ensuring that they are in proper working order throughout the semester. This includes maintaining access to the college wireless network, access to all accounts (both TAMU and TAMU Health) and keeping passwords up to date. Students are expected to keep their devices up to date in regard to patches and OS updates.

Division of IT

If the student experiences issues with an electronic device, wifi access, axiUm, Zoom, or user accounts, their first point of contact should be the Division of IT Central Help Desk or the local Division of IT at COD. The Central Helpdesk provides 24-hour support.

Division of IT Central Help Desk Website: https://it.tamu.edu/help/ Phone: 1-979-845-8300 Email: helpdesk@tamu.edu	SOD Local Division of IT Office Room: 519 Phone: 214-828-8248
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COD Instructional Design Team

For electronic exam support or problems concerning other academic technology, such as the LMS (Canvas), ExamSoft, or Examplify, students should contact the Instructional Design team.

Room: 516 - Academic Affairs

Carmina Castro

ccastro@tamu.edu

(214) 828-8316

Jeff Lowry

lowryj1@tamu.edu

(214) 828-8243

Canvas support 24-hours

(877) 354-4821

Lecture Recordings and Mediasite Support

Lecture recordings are posted to the Mediasite course catalog typically no more than 24 hours after they have been received. Unless otherwise specified, all course recordings are available via the Mediasite channel link within the Canvas course.

For missing recordings, contact your instructor and the Instructional Design Team.

For problems with recording playback, Mediasite access, or performance, contact IT's Health Technology Care Team (979.436.0250).

University Policies

Attendance Policy

Texas A&M University views class attendance as an individual student responsibility. In the Department of Dental Hygiene regular and punctual attendance is mandatory for scheduled or rescheduled classes, clinics, and related activities/events. The course director will check attendance at the start of the class/activity. Students who are not present at that time will be marked absent. **Students MUST notify course director via Teams message to report absences prior to the start of class session.**

For any absences (excused or unexcused), it will be the student's responsibility to contact the Office of Student Affairs (OSA) by sending an email to Sod-attendance@tamu.edu prior to the start of class session. The OSA will decide if your absence is excused or unexcused. Make sure to provide your name, class level, the date(s) of absence and reason for your absence, the names of the instructors that need to be notified. If documentation is requested, it must be from a medical provider on letterhead with the provider's signature and be submitted within 3 business days of returning to school. Please refer to <https://student-rules.tamu.edu/rule07/>

Excused Absences

Illnesses or emergencies: It is understood that absences due to severe or contagious illness, injuries or emergencies may occur. An absence due to illness may require a medical confirmation note from a student's medical provider. For injuries or illnesses that require a student to be absent from class for three or more business days, a note from his or her medical provider is mandatory. If a student has frequented sick days, the program director may require a medical provider's note for each absence.

Note: An absence from a non-acute medical service does not constitute an excused absence.

Religious holy day: A student whose absence is excused under, or the observance of religious holy day will be allowed to take an examination or complete an assignment from which the student is excused within 5 days after the absence.

Makeup assessments for excused absences must be administered either in advance of the scheduled exam or within 5 business days of the student's return from the absence.

Unexcused Absences

Tardiness and non-emergent appointments (illnesses not considered severe or contagious) scheduled during class time will be considered an unexcused absence. Quizzes and exams start at the beginning of class time. Students who arrive late will not receive extra time to take the quiz/exam. Since classroom learning applies directly to patient care, sleeping in class is considered an unexcused absence and is subject to the remediation policy. **Students with unexcused absences or late arrivals will have TWO points deducted from their final course grade.** No make-up quiz/test will be given if an absence is unexcused on a test day. Examinations will not be administered in advance for a planned/anticipated unexcused absence.

General Information

For any absences (excused or unexcused), it will be the student's responsibility to review the lecture recordings for the class(es) missed. Additionally, the student must complete a make-up assignment(s) within 10 calendar days (including weekends) after returning to school. The make-up assignment will require the student to thoroughly answer the learning objectives for the class session(s) and define any listed terminology. The assignment must demonstrate the student has listened to the recording(s) and read the assigned reading. Make-up assignments must be typed or handwritten (legibly), contain the title of the missed class session(s) and be sent via email within the 10-calendar-day deadline. **Failure to complete the make-up assignment(s) within this time frame will result in TWO points being deducted from student's final grade.**

IMPORTANT: Failure to remediate all absences (excused or unexcused) by the final exam or end of semester may result in an "F" for the course.

To review the comprehensive Texas A&M University student attendance rule, go to <http://student-rules.tamu.edu/rule07>

Makeup Work Policy

Students will be excused from attending class on the day of a graded activity or when attendance contributes to a student's grade, for the reasons stated in Student Rule 7, or other reason deemed appropriate by the Office of Student Affairs.

Please refer to [Student Rule 7](#) in its entirety for information about makeup work, including definitions, and related documentation and timelines.

Absences related to Title IX of the Education Amendments of 1972 may necessitate a period of more than 30 days for make-up work, and the timeframe for make-up work should be agreed upon by the student and instructor" ([Student Rule 7, Section 7.4.1](#)).

"The instructor is under no obligation to provide an opportunity for the student to make up work missed because of an unexcused absence" ([Student Rule 7, Section 7.4.2](#)).

Students who request an excused absence are expected to uphold the Aggie Honor Code and Student Conduct Code. (See [Student Rule 24](#).)

Academic Integrity Statement and Policy

"An Aggie does not lie, cheat or steal, or tolerate those who do."

"Texas A&M University students are responsible for authenticating all work submitted to an instructor. If asked, students must be able to produce proof that the item submitted is indeed the work of that student. Students must keep appropriate records at all times. The inability to authenticate one's work, should the instructor request it, may be sufficient grounds to initiate an academic misconduct case" ([Section 20.1.2.3, Student Rule 20](#)).

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You can learn more about the Aggie Honor System Office Rules and Procedures, academic integrity, and your rights and responsibilities at aggiehonor.tamu.edu. You can also contact Graduate Studies at 214-828-8182, Student Affairs at 214-828-8210, or your Program Director, for guidance.

Americans with Disabilities Act (ADA) Policy

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Texas A&M University is committed to providing equitable access to learning opportunities for all students. All students are encouraged to discuss their disability-related needs with Disability Resources and their instructors as soon as possible. If you experience barriers to your education due to a disability which may include, but not limited to: attentional, learning, mental health, sensory, physical, or chronic health conditions, visit Disability Resources for more information. <http://disability.tamu.edu>.

The primary contact for any new disability accommodation requests and for any accommodation questions/concerns:

Tracey Forman, Associate Director of Disability Resources
979.845.1637 | traceyf@disability.tamu.edu |

Staff and administration in Student Affairs, Student Development and Academic Affairs are available as needed to discuss any concerns and navigate the accommodations process with our students locally.

Title IX and Statement on Limits to Confidentiality

Texas A&M University is committed to fostering a learning environment that is safe and productive for all. University policies and federal and state laws prohibit gender-based discrimination and sexual harassment, including sexual assault, sexual exploitation, domestic violence, dating violence, and stalking.

With the exception of some medical and mental health providers, all university employees (including full and part-time faculty, staff, paid graduate assistants, student workers, etc.) are Mandatory Reporters and must report to the Title IX Office if the employee experiences, observes, or becomes aware of an incident that meets the following conditions (see [University Rule 08.01.01.M1](#)):

- The incident is reasonably believed to be discrimination or harassment.
- The incident is alleged to have been committed by or against a person who, at the time of the incident, was (1) a student enrolled at the University or (2) an employee of the University.

Mandatory Reporters must file a report regardless of how the information comes to their attention – including but not limited to face-to-face conversations, a written class assignment or paper, class discussion, email, text, or social media post. Although Mandatory Reporters must file a report, in most instances, a person who is subjected to the alleged conduct will be able to control how the report is handled, including whether or not to pursue a formal investigation. The University's goal is to make sure you are aware of the range of options available to you and to ensure access to the resources you need.

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Students can learn more about filing a report, accessing supportive resources, and navigating the Title IX investigation and resolution process on the University's [Title IX webpage](#). College of Dentistry students can contact Graduate Studies at 214-828-8182, Student Affairs at 214-828-8210, Security at 214-828-8335, their Program Director, or their Department Head to report an incident.

Statement on Mental Health and Wellness

Texas A&M University recognizes that mental health and wellness are critical factors that influence a student's academic success and overall wellbeing. Students are encouraged to engage in healthy self-care by utilizing available resources and services on your campus.

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Students who need someone to talk to can call the TAMU Helpline (979-845-2700) from 4:00 p.m. to 8:00 a.m. weekdays and 24 hours on weekends. 24-hour emergency help is also available through the National Suicide Prevention Hotline (800-273-8255) or at suicidepreventionlifeline.org. You can also contact Graduate Studies at 214-828-8182 or Student Affairs at 214-828-8210 for a referral to a local counselor. These counseling sessions are private and confidential, as are any referral requests. As part of our commitment to your well-being, we offer access to Telus Health, a service available 24/7/365 via chat, phone, or webinar. Scan the QR code to download the app and explore the resources available to you for guidance and support whenever you need it.



Campus-Specific Policies

Statement on the Family Educational Rights and Privacy Act (FERPA)

FERPA is a federal law designed to protect the privacy of educational records by limiting access to these records, to establish the right of students to inspect and review their educational records and to provide guidelines for the correction of inaccurate and misleading data through informal and formal hearings. Currently enrolled students wishing to withhold any or all directory information items may do so by going to howdy.tamu.edu and clicking on the "Directory Hold Information" link in the Student Records channel on the MyRecord tab. The complete [FERPA Notice to Students](#) and the student records policy is available on the Office of the Registrar webpage.

Items that can never be identified as public information are a student's social security number, citizenship, gender, grades, GPR or class schedule. All efforts will be made in this class to protect your privacy and to ensure confidential treatment of information associated with or generated by your participation in the class.

Directory items include name, UIN, local address, permanent address, email address, local telephone number, permanent telephone number, dates of attendance, program of study (college, major, campus), classification, previous institutions attended, degrees honors and awards received, participation in officially recognized activities and sports, medical residence location and medical residence specialization.

College and Department Policies