

Syllabus

Senior Capstone Design

Effective design requires identifying the “right” problem to solve, building components that meet that problem’s needs, and integrating components into a single solution system. As problems become more challenging, solid design, follow through, and teamwork skills become necessary to developing a solution. Every computer scientist and computer engineer who wants to work on big problems must have these skills.

After this course, you will be able to:

- **analyze** a complex computing problem and **identify** solutions using computing principles,
- **design, implement, and evaluate** a computing-based solution to meet a given set of requirements,
- **apply** computer science theory and software development fundamentals to **produce** computing-based solutions,
- **collaborate** effectively as a member of a team,
- **recognize** professional responsibilities, both legal and ethical, and **make informed judgements** in computing practice, and
- **communicate**

You will work in groups of 4-5 people to complete a significant engineering design project. Every project requires complete implementation, documentation, evaluation, and demonstration of a computing system design. The focus is not only on the final product but also on design methodology, management process, and teamwork. At the end of the semester, each group will make a public presentation describing and demonstrating their work.

Why I Teach this Course

This course offers you a unique learning experience. The TA and I are always especially excited to teach this course, and here is why:

- **You finally get to combine everything that you have learned throughout your entire undergraduate curriculum.** This not only includes the computer science skills you have gained, but also the professional, cultural, and communication skills that you have developed.
- **This is an opportunity for you to try to solve a problem that matters to you.** This course gives you a lot of freedom and choice in your semester-long project. This course can be the first step towards moving to the career of your choice.

- **Building a system from start to finish is fun and rewarding.** Students often tell me that this was the greatest experience of their entire college career.
- **Working on teams can be messy, but it's worth it.** It is amazing what you can accomplish together, so much more than on your own. Working on real problems with real people has its challenges, but it is also very rewarding when you successfully complete your goals.
- **Every semester is different, every team is different, every solution is different.** There is always something new to learn and innovate.
- **Smaller class sizes and weekly meetings allow you to connect** with your classmates and your instructor.

About Working in Teams

Because your teammates' grades are so tightly coupled with your own dedication to the class, many of the assignments and rules are put in place to protect you and your teammates. These include requirements to participate actively in class, complete assignments in a timely manner, and treat your classmates with respect.

Each team is required to:

- **Time Management:** Manage its own efforts to complete its project in a timely manner. You are graded based on both the quality of the group product and their individual contributions.
- **Weekly Status Update Meetings:** Hold a weekly meeting with the course instructor and the TAs during the official class hours. These meetings must be attended by every group member. Since the projects will be student managed, the exact nature and style of these meetings is at the group's discretion, e.g., division of tasks among group members. However, **every member of the group is expected to participate** in these meetings.

Course Information

Course Number: 482

Course Title: Senior Capstone Design

Section: 934

Time: Mondays and Wednesdays 8:00am-11:00pm (Lecture and Lab)

Location: **Engineering Activities Building A** (<https://aggiemap.tamu.edu/?bldg=0460>) 118

Credit Hours: 3

Instructor and TA Details

Instructor: Shawna Thomas

Office: 319 Peterson

Phone: 979-862-8877

E-Mail: sthomas@tamu.edu (<mailto:sthomas@tamu.edu>)

Help/Office Hours: email for appointment

TA: Yuno Min

E-Mail: minsibo0420@tamu.edu (<mailto:minsibo0420@tamu.edu>)

Help/Office Hours: directly after class or email for appointment

Course Description

Project-based course to develop system integration skills for solving real-world problems in computer science; significant team software project that integrates advanced concepts across computer science specializations; projects require design, implementation, documentation and demonstration, as well as design methodology, management process and teamwork.

Course Prerequisites

Senior classification; CSCE 315, CSCE 411, and two additional CSCE tracked courses

Special Course Designation

C (communication intensive course)

As a communication intensive course, you will receive instruction on writing and public speaking and complete assignments so you can master communication related to the major. **You must pass the written and oral components with a C or better to earn a grade in the course.**

Course Learning Outcomes

This course will prepare you for engineering practice with a major design experience based on the knowledge and skills you acquired in earlier course work. Your design will incorporate engineering standards and realistic constraints that include most of the following considerations: economic, environmental, sustainability manufacturability ethical health and safety, social, and political.

After this course you will be able to:

- **Analyze** a complex computing problem and to **apply** principles of computing and other relevant disciplines to identify solutions.
- **Design, implement and evaluate** a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.

- **Communicate** effectively in a variety of professional contexts.
- **Recognize** professional responsibilities and **make informed judgements** in computing practice based on legal and ethical principles.
- **Collaborate** effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
- **Apply** computer science theory and software development fundamentals to **produce** computing-based solutions.

We will cover man topics including:

- Identifying engineering problems
- Project management tools
- Ethics in the discipline
- Communicating problem motivation and needs
- Exploring existing solutions
- Designing a computing system and user interface
- Evaluating a computing system through user studies and benchmark testing
- Analyzing and interpreting data
- Communicating and summarizing results, both written and orally

Textbook and/or Resource Materials

Required:

- **Design of Everyday Things.** [_\(https://ebookcentral.proquest.com/lib/tamucs/detail.action?docID=1167019\)](https://ebookcentral.proquest.com/lib/tamucs/detail.action?docID=1167019) (Basic Books 2013). Available free online at TAMU Libraries.

Recommended:

- *The Five Dysfunctions of a Team: a Leadership Fable*. Patrick M. Lencioni. (Jossey-Bass, 2002). Available free online at TAMU Libraries.
- Technical material from the literature, manufacturers' data sheets and user manuals.

ABET Accreditation Information

This course is evaluated every year through the ABET (Accreditation Board for Engineering and Technology) accreditation process. ABET accreditation provides assurance that a college or university program meets the quality standards of the profession for which that program prepares graduates. Your degree is a significant achievement and perhaps the largest investment you will make toward your future. The quality of education you receive makes a big difference in your career success.

ABET accreditation:

- **Verifies that your educational experience meets the global standard** for technical education in your profession.
- **Enhances your employment opportunities**—multinational corporations require graduation from an accredited program.
- **Supports your entry to a technical profession** through licensure, registration and certification—all of which often require graduation from an ABET-accredited program as a minimum qualification.
- **Establishes your eligibility** for many federal student loans, grants, and/or scholarships.
- **Paves the way for you to work globally**, because ABET accreditation is recognized worldwide through international agreements, and many other countries' national accrediting systems are based on the ABET model.

In order for the department of Computer Science & Engineering to keep their accreditation, the students must demonstrate their abilities in each of the above expected outcomes of this class. Each of those skills will be evaluated by external industrial affiliate members during your final presentation.

Grading Policy

The final grade you will receive in the class will be **based on points accumulated** during the semester. Thus, both continued progress (the process) and the quality of your product (and other deliverables) will determine your grade. Although the bulk of your grade is based on the performance of your team, individual performance will also be gauged. Unless otherwise noted on the syllabus or class calendar, all assignments will be due before class on the due date.

As a communication course, **you must pass the communication components (both written and oral) with a C or better to earn a grade in the course.** Failure to pass the communication components with a C or better results in an F for the course.

Grading Scale:

Grades will be assigned according to the following scale: A \geq 90 > B \geq 80 > C \geq 70 > D \geq 60 > F

These grades represent varying degrees of achievement (see the **university's grading system** (<https://registrar.tamu.edu/Transcripts-Grades/Grades#0-GradingSystem>)): A = excellent, B = good, C = satisfactory, D = passing, F = failing.

We make every effort to provide you with the opportunity to earn an A. We do not curve in this class. Rather, we teach to mastery which means that we have clear expectations in terms of what you should complete and what knowledge you should have obtained by the end of the course to succeed and to earn an A. If you are taking this class, participate appropriately, resubmit and fix your work

based on our feedback, and work equitably with your team, you should get an A. You will have every opportunity to earn an A, so at the end of the course an 89.9 is a B.

Grading Components:

Your grade for this course reflects your mastery of course material and is determined by multiple components. Note that **you will not receive a passing grade in the class if you do not have a tested and working system by the end of the semester**. The lower weighted items will significantly help you succeed in your higher-weighted items. Even if a component has a very low point value, it is crucial to your later success in the higher point components.

Component	Percentage
Written Communication Elements	20%
Oral Communication Elements	15%
Final Deliverables and Individual Contribution	30%
Project Management	5%
Testing	15%
Status Updates	5%
Daily Quizzes	2%
Peer Feedback and Peer Evaluation	3%
Ethics	5%
<i>Total</i>	<i>100%</i>

Written Communication Elements - 20%: You will have several technical writing assignments including (but not limited to) problem formation, related literature review, project proposals, documentation, and your final report. Your writing will be critiqued on its thoroughness and effectiveness in communicating key aspects of your system such as its motivation, approach, evaluation, and engineering standard. Your documentation will be critiqued on its completeness to properly execute and understand the details of your system. Some assignments will require you to incorporate peer feedback to refine your work.

Oral Communication Elements - 15%: You will have several presentation assignments including (but not limited to) a critical design review, a final presentation, and demonstrations. You will have opportunity to practice presenting both posters and more formal slide presentations. Some assignments will require you to incorporate peer feedback to refine your communication. Additionally, at least one member of your team will present your project at Student Research Week (SRW), the Engineering Project Showcase (EPS), and the TAMU CSCE IAP Spring meeting (if held) to provide

you with extra practice in communicating your work and responding to external feedback. Your final presentation will be to the instructors and industry panelists **on the reading day before finals**. You will also give live system demonstrations to the instructors in class at multiple points in the course.

Final Deliverables and Individual Contribution - 30%: You will complete several deliverables including fully documented code, evaluation materials, final report with user manual, final updated oral presentation slides, final updated poster, and video advertisement. You will also conduct a live demonstration of your project. Your individual grade for this section may be adjusted based on your level of contribution determined from logged code commits, peer evaluation, and instructor/TA observations. **All final deliverables must be submitted in order to receive a grade for this section.**

Final Deliverables

1. Team Drive files including the following (please organize into folders, e.g., Docs, Source, Hardware, Media, References, Freeware, etc.)
 1. Designs: code, schematics, data, data sheets, freeware software tools, etc.
 2. Reports: proposal, weekly reports, final report, and ALL presentations
 3. Audiovisual media: close-up pictures of your system and a high-quality video presenting your project (including a system demo and a project description) for posterity (see gallery in the course webpage for movie samples). Final video must be submitted to the instructor
 4. Presentation posters: in PDF and PPT format
 5. Individual assignments: in PDF format
2. Final prototype in the assigned GitHub Repository, as well as any spare parts and supplies
3. Software install, to be demonstrated on several machines

NOTE: Grades will not be assigned until all project deliverables have been turned in (see above), all borrowed items (e.g., keys, books, equipment) have been returned to their proper location or their owner, and the workstations in the lab have been thoroughly cleaned up. All team members are required to be present at the time of the final delivery. All final deliverables are due **on the last day of class at 11:59 PM**.

Project Management - 5%: You will create project management artifacts specific to your chosen software development methodology. For example, teams using Agile development will provide a product backlog, sprint backlogs, and burn-down charts while teams using Waterfall will provide a requirements specification, a software architecture design, and a Gantt chart. All teams will specify team member roles and produce user stories. You are also expected to use TAMU GitHub for version control and commit to your team's repository weekly, if not daily.

Testing - 15%: Your project must be evaluated in accordance with industry standards, so you need to test the technical performance of your developed materials as your project goes on. You are expected to develop an automatic test bed for your project. You should also have appropriate unit testing, integration testing, and system testing throughout your code to verify functionality. You will

also have user acceptance testing through a user study to evaluate your system's ability to solve your problem. You will be assessed on how well you have prepared and conducted the evaluation of your system, both internally (through unit/integration/system testing) and externally (through user study). Note that completing this user study is part of the required final deliverables and it not optional, even if you prefer to abandon the points.

Status Updates - 5%: You will submit weekly status update reports, both individually and as a team, and hold a weekly status update meeting with your entire team and your instructors. Team members should take turns taking meeting minutes, submitting team reports, and leading the weekly meeting discussion. You will be also assessed on your team's ability to keep to the project schedule.

Daily Quizzes - 2%: Every class (including the first class) will start with a 10-minute quiz. The quizzes will include material about your assignments, questions about your design choices, and knowledge that you should have gained from your past computer science courses. Research has repeatedly shown that the act of quizzing imparts more knowledge than lecturing or studying. Thus, this not only lets us know where your knowledge might be lacking so that we may be able to correct it within this class, but it also serves to teach you the knowledge that you need to have. This course is your final course in your computer science degree and should provide you with the capability to put all of your skills together and communicate those capabilities effectively.

Peer Feedback and Peer Evaluation - 3%: Peer feedback of others' work is crucial. It is important that your feedback is of high quality. You will give feedback to your peers regularly throughout the semester on their project ideas, written work, and presentations. In addition, each member of your project team will score the performance of your other team members at multiple points throughout the semester. You will use these peer evaluations to adjust how you interact and collaborate in your team. **You must complete all of your peer reviews to get an A in the course.**

Ethics - 5%: You will complete various activities and assignments to explore the ethics in the discipline.

Class Participation: The instructors will evaluate your attendance to meetings, participation in the discussions, and contributions to the team. **More than five (5) unexcused absences will lead to an automatic failure for the course.** Note that team days in which teams may need to work in a remote location to accomplish certain assignments (e.g., presenting your work at a conference or SRW, interviewing experts, meeting with mentors, accessing technologies outside of the classroom, etc.) do not count toward absences provided they are approved by the instructor in advance, abide by the instructor's requirements for check-in during course time, abide by any activity reporting requirements by the instructor, and complete all assignments on-time relevant to that class time.

Submission of Assignments:

All assignments will be turned in electronically though **Canvas (<https://canvas.tamu.edu/>)** (unless otherwise specified) by the due date and time given on the assignment. Email submissions will not be accepted.

Late Work Policy

All assignments must be submitted to complete the course. Assignments will be considered late after their posted deadline but will be accepted. Late assignments will receive a grade reduction of 10% per day late with a maximum reduction of 30%.

Course Schedule

Below is the **planned but tentative** schedule of topics and major projects for the course. All assignment and project details will be communicated on **Canvas** (<https://canvas.tamu.edu/>).

Weeks	Course Phases	Major Deliverables
1-3	Introduction, Team Formation, and Project Ideation You will learn how to identify and formulate an engineering problem, how to survey existing related work, how to use design thinking to create innovative solutions to your problem, and how to define project success. You will also explore elements of good and bad design. You will practice communicating your problem's motivation and user needs, create a project management plan based on software development methodologies, and complete ethics training.	Finalized project proposal and plan (due by end of Week 3)
4-5	Project Design and Skill Development You will learn how to create user stories and usage scenarios and how to effectively prototype and test different interface designs. You will participate in rapid user studies with peers on initial lo-fi prototypes, identify design moves in response, and create a final system design. You will also complete a literature review tailored for your project that places your work in the context of existing work and practice communicating your solution and design. You will begin participating in peer evaluations within your team.	Incremental submission of final report elements (various, see Canvas assignments)
6-11	Project Development You will implement your system design following standard software development methodologies and using TAMU GitHub for version control. You will submit a new code release and demo your project to the class every 2 weeks.	Fully working system (due by end of Week 11)

	You will also submit weekly status updates, hold weekly update meetings, and continue to participate in peer evaluations. At the end of this phase, you will have a full working system implemented and be ready for system evaluation. You will also continue to make iterative progress on your final written report.	
12-13	Project Evaluation You will thoroughly test your system's functionality according to your evaluation plan. You will also conduct a user study and analyze collected data to evaluate the success of your system. You will communicate results from these two types of evaluations in your final report. You will continue to submit weekly status updates, hold weekly update meetings, demo your project to the class, and participate in peer evaluations.	Fully evaluated system (due by end of Week 13)
14	Project Finalization You will complete your final report and finish preparing all final deliverables (see Grading Components above). You will practice communicating your problem, solution, and results to the class. You will submit your last weekly status update and participate in your last peer review.	Complete draft of final deliverables (due by end of Week 14)
15	Project Presentations Senior projects will be presented to industry panelists.	All final deliverables (due on last day of class by 11:59pm) Final Presentations to IAP members (on Final Reading Day)

University and Course Policies

Inclusion Statement

In this class we are committed to a culture of inclusivity. We reject and condemn all forms of injustice and actively promote diversity and inclusion within our field. As Martin Luther King Jr. said, "Injustice anywhere is a threat to justice everywhere." If any student wishes to discuss anything regarding

inclusivity within the classroom, especially anything contrary to this statement that you have experienced, you are encouraged to contact the instructor or TA.

Course Copyright

The materials used within this course are copyrighted. These materials include, but are not limited to, the syllabus, quizzes, assignments, activity descriptions, online content, course videos, audio and visual recordings of classes, etc. Because these materials are copyrighted, you do not have the right to copy or distribute these materials, unless permission is expressly granted.

Attendance Policy

The university views class attendance and participation as an individual student responsibility. Students are expected to attend class and to complete all assignments.

- **Importance of Attendance:** Not attending weekly meetings harms the other members of your group and makes it much more difficult for the instructor to assess your contributions to the group effort. Therefore, attendance, punctuality and active participation in the weekly meetings are required. Due to the unfortunate consequences and undue burden your frequent absences would have on the rest of the team, **more than 5 unexcused absences is an automatic failure.**
- **Absence and Tardiness:** Failure to attend a meeting or late arrivals (more than 10 minutes late) will be reflected in your individual grade. Emergencies, however, do happen. Lateness or absence can be excused if there is a valid reason. Illness, job interviews out of town, death in the family, conference attendance, inclement weather or accidents for commuters, etc., are valid reasons.
- **Valid Excuses:** Oversleeping, a term paper due, an exam to cram for, etc., are not valid reasons. Ultimately, the instructor reserves the right to determine what constitutes a “valid reason” on a case-by-case basis.
- **Proper Planning:** If you know you are going to be late or miss a class, please let the instructor **and your teammates know**, so that they may plan for your absence and make the best use of their time.

Please refer to **Student Rule 7** [_\(https://student-rules.tamu.edu/rule07/\)_](https://student-rules.tamu.edu/rule07/) in its entirety for information about excused absences, including definitions, and related documentation and timelines.

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 instructor.

Please refer to **Student Rule 7** [_\(https://student-rules.tamu.edu/rule07/\)_](https://student-rules.tamu.edu/rule07/) 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** [_\(https://student-rules.tamu.edu/rule07/\)_](https://student-rules.tamu.edu/rule07/)).

“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** [_\(https://student-rules.tamu.edu/rule07/\)_](https://student-rules.tamu.edu/rule07/)).

Students who request an excused absence are expected to uphold the Aggie Honor Code and Student Conduct Code. (See Student Rule 24 [_\(https://student-rules.tamu.edu/rule24/\)_](https://student-rules.tamu.edu/rule24/)).

*Students should **submit excused absence documentation to the Canvas course** (Modules -> Student Resources -> Excused Absence Documentation).*

Communication Policy

We will use **Canvas** [\(https://canvas.tamu.edu/\)](https://canvas.tamu.edu/) to post assignments, course resources, discussions, and send announcements. **It is your responsibility to check Canvas and pay attention to class emails and announcements.**

Bring Your Own Device Policy

BYOD is an initiative in the College of Engineering where **students are required bring their own computing device to lecture and lab**. You need to have a computing device with a headset, microphone, and webcam. You will also need stable internet access outside of lecture and lab. See the **BYOD webpage** [_\(https://engineering.tamu.edu/easa/areas/academics/byod/\)_](https://engineering.tamu.edu/easa/areas/academics/byod/) for information on the program, approved devices, and financial assistance. BYOD devices fulfill the requirements for this class.

Purchases and Reimbursements

- **Accurate Forms:** Please ensure that purchase order (PO) forms submitted to the department are accurate. Submitting a PO with incomplete specifications or backordered items increases the workload for our accounting staff and causes unnecessary delays to your team. Submitting an incomplete PO will result in the team being prevented from submitting additional POs; and all additional purchases will have to be made by team members themselves and will be reimbursed at the end of the semester.

- **In-Stock Items:** Please verify that items are in stock before submitting a PO, and provide alternative vendors if an item is likely to go out of stock (e.g., if the vendor only has a few units left). If you suspect that a critical item may become backordered, it may be better if you purchase it directly since POs may take several days to go through.
- **Reimbursements Deadline:** Reimbursement requests are due at the time of final deliverables. To minimize overhead on our accounting staff, we will only reimburse up to five purchase orders (of your choice); this policy also encourages teams to plan their purchases in advance. Overnight or express delivery will not be reimbursed unless approved in advance by the instructor. Reimbursement of sales taxes is not allowed by the university; please make sure to bring tax-exempt forms with you whenever you make local purchases (or purchases within the state).
- **Equipment Return:** The equipment and materials that you purchase do not belong to you, they belong to Texas A&M University. Before you will be given a final grade in the course, all equipment and materials must be returned.

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** [. \(https://aggiehonor.tamu.edu/Rules-and-Procedures/Rules/Honor-System-Rules\)](https://aggiehonor.tamu.edu/Rules-and-Procedures/Rules/Honor-System-Rules)).

You can learn more about the Aggie Honor System Office Rules and Procedures, academic integrity, and your rights and responsibilities at aggiehonor.tamu.edu [. \(https://aggiehonor.tamu.edu/\)](https://aggiehonor.tamu.edu/).

All suspected academic misconduct is taken seriously and will be reported to the Aggie Honor System Office.

Americans with Disabilities Act (ADA) Policy

Texas A&M University is committed to providing equitable access to learning opportunities for all students. If you experience barriers to your education due to a disability or think you may have a disability, please contact Disability Resources office on your campus (resources listed below). Disabilities may include, but are not limited to attentional, learning, mental health, sensory, physical, or chronic health conditions. All students are encouraged to discuss their disability related needs with Disability Resources and their instructors as soon as possible.

Disability Resources is located in the Student Services Building or at (979) 845-1637 or visit disability.tamu.edu [\(https://disability.tamu.edu/\)](https://disability.tamu.edu/).

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](https://rules-saps.tamu.edu/PDFs/08.01.01.M1.pdf) [_\(https://rules-saps.tamu.edu/PDFs/08.01.01.M1.pdf\)_](https://rules-saps.tamu.edu/PDFs/08.01.01.M1.pdf)):

- 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.

Students wishing to discuss concerns in a confidential setting are encouraged to make an appointment with [Counseling and Psychological Services](https://caps.tamu.edu/) [_\(https://caps.tamu.edu/\)](https://caps.tamu.edu/) (CAPS).

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](https://titleix.tamu.edu/) [_\(https://titleix.tamu.edu/\)](https://titleix.tamu.edu/).

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.

*Students who need someone to talk to can contact **Counseling & Psychological Services** (<https://caps.tamu.edu/>) (CAPS) or call the **TAMU Helpline** (<https://caps.tamu.edu/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** (<https://suicidepreventionlifeline.org/>).*
