Course Syllabus
Tentative Course Outline

CE 311K Introduction to Computer Methods — The University of Texas at Austin
Unique Numbers, Lecture and Lab Times, and Locations — Spring 2022

Unique	Day	Hour	Room	Instruction Mode
C E 311K INTRO TO COMPUTER METHODS				
15905	MWF M	11:00 a.m.-12:00 p.m. 2:00 p.m.-4:00 p.m.	CPE 2.212 ECJ 2.210	Face-to-face
15910	MWF M	11:00 a.m.-12:00 p.m. 4:00 p.m.-6:00 p.m.	CPE 2.212 ECJ 2.210	Face-to-face
15915	MWF W	11:00 a.m.-12:00 p.m. 4:00 p.m.-6:00 p.m.	CPE 2.212 ECJ 2.210	Face-to-face

***All CLASSES will be on-line through Zoom through quarantine periods**

Texts: Applied Numerical Methods with MATLAB for Engineers and Scientists 9780073397962
By Chapra and Chapra, Steven C. Published by McGraw-Hill Education, Publication Date: Feb. 6, 2017, or previous editions or other formats e.g. loose leaf.

Instructor: Howard M. Liljestrand
Office: ECJ 9.102F
Phone: 512-471-4604 (messages) EMAIL
Use Email to set up a Zoom call rather than phoning
Office Hours: MTuWThF 7:30-8 AM 6-6:30 PM
liljestrand@mail.utexas.edu
NOTICE THIS IS NOT
liljestrand@utexas.edu
which is a different account (gmail)
Use only
liljestrand@mail.utexas.edu
and in preference to CANVAS

TA: INFORMATION FOUND ON CANVAS

COURSE DESCRIPTION FROM THE UNDERGRADUATE CATALOG: "Organization and programming of civil engineering problems for computer solutions. Two lecture hours and two laboratory hours a week for one semester."

PREREQUISITE FROM THE UNDERGRADUATE CATALOG: "Credit or registration for Mathematics 408D or M 308L; additional prerequisite for civil engineering majors, Civil Engineering 301."

ACADEMIC OBJECTIVES: The main purposes are the introduction of the structured logic of computer programming, learning of a higher order programming language, and the use of numerical methods to solve problems that arise in a variety of engineering disciplines. These help form a foundation for developing problem solving skills through the use of an organized and systematic approach that is essential for success as an engineer.

LEARNING OBJECTIVES: Engineering competence and demonstrated ability to solve typical problems in each of the topics listed in the course schedule below. By the end of the course, each student will be able to 1) develop simple programs using programming languages, 2) compile, run, and debug programs, 3) organize the solution to engineering problems, 4) select appropriate computational tools for solving a given problem, and 5) utilize numerical procedures to obtain solutions of engineering problems.

Syllabus Requirements (in addition to HB 2504):

1. Sharing of Course Materials is Prohibited: No materials used in this class, including, but not limited to, lecture hand-outs, videos, assessments (quizzes, exams, papers, projects, homework assignments), in-class materials, review sheets, and additional problem sets, may be shared online or with anyone outside of the class unless you have my explicit, written permission. Unauthorized sharing of materials promotes cheating. It is a violation of the University's Student Honor Code and an act of academic dishonesty. I am well aware of the sites used for sharing materials, and any materials found online that are associated with you, or any suspected unauthorized sharing of materials, will be reported to Student Conduct and Academic Integrity in the Office of the Dean of Students. These reports can result in sanctions, including failure in the course.
2. Wearing a recommended protective face mask at all times when inside university buildings will be mandatory except when alone in a private office, eating in a campus dining facility or when students are in their own residence hall rooms. UT will encourage compliance by increasing awareness and fostering a spirit of cooperation. Students who refuse to follow directives to wear a mask will be referred to Student Conduct and Academic Integrity in the Office of the Dean of Students for disciplinary action.
    a. More information on how you can help keep our campus healthy this Fall can be found here: "Protect Texas Together."
3. **Class Recordings:** Class recordings are reserved only for students in this class for educational purposes and are protected under FERPA. The recordings should not be shared outside the class in any form. Violation of this restriction by a student could lead to Student Misconduct proceedings.
4. **COVID Caveats**: To help keep everyone at UT and in our community safe, it is critical that students report COVID-19 symptoms and testing, regardless of test results, to University Health Services, and faculty and staff report to the HealthPoint Occupational Health Program (OHP) as soon as possible. Please see this link to understand what needs to be reported. In addition, to help understand what to do if a fellow student in the class (or the instructor or TA) tests positive for COVID, see this University Health Services link.
5. **HOMEWORKS, TESTS, and ALL OTHER MATERIALS SUBMITTED BY ALL STUDENTS WILL BE AVAILABLE FOR REVIEW BY ABET REVIEWERS**. When you submit to CANVAS, **DO NOT** include your name or any personal information, since your work may be reviewed by someone other than the instructor, TA, and grader.

Required Syllabus Elements (as required by HB 2504):

HOMEWORK: Homework is due on CANVAS at the second class after it is assigned (unless a later time for submission is specified on CANVAS). The reason for this schedule is that allows you to review the problems as soon as they are assigned and ask questions at the problem sessions or office hours between when the assignment is given and the due date. All homework assignments will be counted in the grading. After homework is turned in, solutions will be posted on CANVAS. Problems and assignment dates are shown in course schedule below.

All computer assignments typically contain the following: 1) One of more sheets with a statement of the problem, the formulae, or algorithm used to solve the problem and verification by hand that the program generates correct results. Use of a word processor or notepad is recommended. 2) A listing of your program, your data file (if one is used) and the output from a successful run. 3) Input data should be echo printed and the results should be appropriately tabulated. Each lab will detail what needs to be uploaded to CANVAS.

PROBLEM SESSIONS: There will be optional problem sessions with the peer tutor for each lab section. There are review sessions with the instructor prior to each exam.

ACADEMIC ASSESSMENT: Two tests and the regularly scheduled final examination will be given. All exams will be either applications of computer programming, problems with quantitative solutions, short answer questions, or multiple choice questions. There will be no essay or multiple choice questions. All exams will be open book, open notes plus one 8.5"x11" sheet (front and back) of handwritten notes may be used for each test. The sheets from the tests plus one additional sheet may be used for the final exam. No photocopied material is allowed on any of these sheets of notes. No exam material will be accepted after the end of the announced time for submitting the exams. If you have a legitimate reason for missing an exam, be certain to have someone who can collaborate the reason (e.g., a doctor). Make up exams will not be given for missed tests; if it is necessary for you to miss a test, you will need to take the optional final to replace that exam. Check to determine if you have more than one final on the same day and change your schedule if necessary.

LABORATORY: There will be 14 laboratory sessions (about 2 hours each). Lab reports include the program, input files, output files and brief answers to questions in Word or pdf form are required and are submitted on CANVAS. Each lab will detail what needs to be uploaded to CANVAS.

PROGRAMS: Computers and compilers are available for your use in the Learning Resource Center (LRC) on the second floor of ECJ. Virtual machines are also available through the LRC to anyone registered in ArE, CE and EvE classes. Computers in the LRC have been loaded with compliers and Microsoft Visual Studio. If you wish to use your own computer and do not have a complier and Microsoft Visual Studio, you can purchase them, but this is NOT recommended. Microsoft Visual Studio is just an expensive interface to compilers. There are free compliers available on the web, and they require less hard-disk space.
. MATLAB is free (an annual license) to UT Students
https://ut.service-now.com/sp?id=ut_bs_service_detail&sys_id=f9d65c7c4ff9d200f6897bcd0210c77d

GRADING:

Homework	15%	(assignments as posted on CANVAS)
Laboratory Reports	35%	
Exam 1 (3/4)	25%	(this date is negotiable but must have unanimous class agreement)
Exam 2 (5/2)	25%	**(this date is non-negotiable)**
Optional Final Exam	**25%**	**(this date is non-negotiable)**

11:00 am–12:00 pm MWF Monday, May 16, 9:00 am-12:00 noon

FINAL GRADING SCALE USING PLUS AND MINUS SYSTEM
Final grades will be assigned according to the following scale:

A $\geq$ 93 > A- $\geq$ 90
90 > B+ $\geq$ 87 > B $\geq$ 83 > B- $\geq$ 80
80 > C+ $\geq$ 77 > C $\geq$ 73 > C- $\geq$ 70
70 > D+ $\geq$ 67 > D $\geq$ 63 > D- $\geq$ 60
60 > F $\geq$ 0

INSTRUCTOR EVALUATION PLAN: **An evaluation of the course and instructor will be conducted at the end of the semester using the approved UT Course/Instructor evaluation forms.**

ATTENDANCE: Regular class attendance is expected in accordance with The University's General Information catalog and the Cockrell School of Engineering policy (see the section on Attendance in the Undergraduate Catalog). Attendance in the lecture will not be taken and will not be used in determining the final grade. Attendance in / completion of the labs is required and factored into the final grade as noted above.

TUTORIAL OPTIONS: Texts with other levels of presentation are available through the UT libraries and can be recommended as needed. Peer tutors will be available at additional times posted on CANVAS. The TA and instructor have regular office hours as posted on CANVAS.

STUDENTS WITH SPECIAL REQUIREMENTS: **The University of Texas at Austin provides, upon request, appropriate academic accommodations for qualified students with disabilities. For more information, contact the Division of Diversity and Community Engagement, Services for Students with Disabilities, 512-471-6259 (Videophone: 512-410-6644) or** http://diversity.utexas.edu/disability/ **.**

COCKRELL SCHOOL OF ENGINEERING DROP POLICY FOR UNDERGRADUATE STUDENTS: **From the 1st through the 12th class day, an undergraduate student can drop a course via the web and receive a refund, if eligible. From the 13th through the university's academic drop deadline, a student may Q drop a course with approval from the Dean, and departmental advisor.**

CLASS WEB SITES AND STUDENT PRIVACY: The University must inform students in advance if their name will be appearing on an electronic class roster. This class has a CANVAS site which is accessable through https://canvas.utexas.edu/ for all lecture and lab materials, as well as being the site for submission of homework. Web-based, password-protected class sites will be associated with all academic courses taught at the University. Syllabi, handouts, assignments and other resources are types of information that may be available within these sites. Site activities could include exchanging e-mail, engaging in class discussions and chats, and exchanging files. In addition, electronic class rosters will be a component of the sites. Students who do not want their names included in these electronic class rosters must restrict their directory information in the Office of the Registrar, Main Building, Room 1. For information on restricting directory information, see the General Information Catalog or go to: https://registrar.utexas.edu/students/records/restrictmyinfo .

OTHER POLICIES: All other university policies not explicitly included on this syllabus can be found on the **General Information Catalog**: http://catalog.utexas.edu/general-information/ .

ACADEMIC DISHONESTY: Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including the possibility of failure in the course and/or dismissal from the University. Since such dishonesty harms the individual, all students, and the integrity of the University, policies on scholastic dishonesty will be strictly enforced**.** For additional information on these items, see the Dean of students' website and University General Information Catalog at: http://deanofstudents.utexas.edu/sjs/ and http://catalog.utexas.edu/general-information/appendices/appendix-c/student-discipline-and-conduct/ .

You are encouraged to work with other students in the class, but the work you turn in must be your own. Plagiarism will not be tolerated, and suspect cases will be turned over to the Dean of Students for disciplinary action.

ACCOMMODATIONS FOR RELIGIOUS HOLIDAYS: The following statement is from the University General Info. Catalog, 2020- 2021, see http://catalog.utexas.edu/general-information/academic-policies-and-procedures/attendance/. **"**A student who misses classes or other required activities, including examinations, for the observance of a religious holy day should inform the instructor as far in advance of the absence as possible, so that arrangements can be made to complete an assignment within a reasonable time after the absence. Students and instructors who have questions or concerns about academic accommodations for religious observance or religious beliefs may contact the Office of Inclusion and Equity."

INFORMATION REGARDING EMERGENCY EVACUATION ROUTES AND EMERGENCY PROCEDURES: See https://preparedness.utexas.edu/safety/emergency-terms

The following recommendations regarding emergency evacuation from the Office of Campus Safety and Security, 512-471-5767, http://www.utexas.edu/safety/:

- Occupants of buildings on The University of Texas at Austin campus are required to evacuate buildings when a fire alarm is activated. Alarm activation or announcement requires exiting and assembling outside (across the bridge).

- Familiarize yourself with all exit doors of each classroom and building you may occupy. Remember that the nearest exit door may not be the one you used when entering the building.
- Students requiring assistance in evacuation shall inform their instructor in writing during the first week of class.
- In the event of an evacuation, follow the instruction of faculty or class instructors. Do not re-enter a building unless given instructions by the following: Austin Fire Dept., The University of Texas at Austin Police Dept., or Fire Prevention Services office.
- Link to information regarding emergency evacuation routes and emergency procedures can be found at: www.utexas.edu/emergency

BEHAVIORAL CONCERNS: **Behavior Concerns Advice Line (BCAL) 512-232-5050. For more information visit the BCAL website:** http://www.utexas.edu/safety/bcal/

IMPORTANT DATES (from https://registrar.utexas.edu/calendars/21-22)

Spring Semester 2022
January 3 - 6
Monday-Thursday Registration for continuing students and readmitted students who have not yet registered. To complete registration, undergraduate students must pay tuition by 5:00 p.m. on Thursday, January 6; graduate students and law students must pay tuition by 5:00 p.m. on Friday, January 21.
January 6
Thursday Tuition payment deadline is 5:00 p.m. for undergraduate students who registered for spring semester by Thursday, January 6. Tuition may be paid in full or in installments.
January 7
Friday New International Student Orientation. For the most up to date information regarding orientation dates/schedules, please visit New Student Services website (this program is separate of the university required new student orientation session hosted by New Student Services; visit website for more information).
January 10
Monday Orientation and testing begin for new undergraduate students.
January 11-14
Tuesday-Friday Registration for the spring semester for new, readmitted, and continuing students who have not yet registered. To complete registration, undergraduate students must pay tuition by 5:00 p.m. on Wednesday, February 2; graduate and law students must pay tuition by 5:00 p.m. on Friday, January 21.
Add/drop for the spring semester for students who have already registered and paid their tuition by Wednesday, February 2.
January 14
Friday University residence halls open at 9:00 a.m.
University Health Services benefits become available to registered students.
January 17
Monday Martin Luther King Jr. Day holiday.
January 18
Tuesday Classes begin.
January 21
Friday Fourth class day; Last day of the official add/drop period; after this date, changes in registration may require the approval of the department chair and usually the student's dean.

Last day undergraduate students may register without the approval of the registrar. (See General Information, Academic Policies and Procedures, for details.)
Last day graduate students may register and pay tuition without the approval of the graduate dean.
Last day law students may register and pay tuition without the approval of the dean.
Tuition payment deadline is 5:00 p.m. for graduate, and law students. Tuition may be paid in full or in installments.
February 2
Wednesday Twelfth class day; this is the date the official enrollment count is taken.
Last day an undergraduate student may add a class except for rare and extenuating circumstances.
Students who registered after January 11 must pay their minimum amount due by 5:00 p.m. in order to confirm attendance.
Second spring tuition date for students who have already confirmed attendance. All students must pay their remaining tuition amount due or be automatically placed on installment plan.
Last day to drop a class for a possible refund. (See General Information, Academic Policies and Procedures and Registration, Tuition, and Fees for details.)
Last day a graduate student may, with the required approvals, add a class.
Last day a law student may add a class. Last day a law student may drop a class without the approval of the dean.
March 5
Saturday Intrasemester reports due in the deans' offices.
March 14-19
Monday-Saturday Spring break.
March 15
Tuesday Final tuition payment due for students who selected the installment plan.
March 28
Monday Last day to apply for a law degree.
Last day a law student may register in absentia.
April 4
Monday Last day an undergraduate student may, with the dean’s approval, withdraw from the University or drop a class except for urgent and substantiated, nonacademic reasons.
Last day an undergraduate student may change registration in a class to or from the pass/fail basis.
Last day a law student may change registration in a class to or from the pass/fail basis.
Last day to apply for an undergraduate degree.
April 9
Saturday 74th Annual Honors Day Program.
April 13-15, 18-22
Wednesday-Friday, Monday-Friday Academic advising for continuing and readmitted students for the summer session and the fall semester.
April 15
Friday Last day to apply for a graduate degree.
April 18-29
Daily Registration for the summer session and the fall semester for continuing and readmitted students.
April 22
Friday Last day a doctoral candidate may hold a dissertation defense for the spring 2022 semester.
April 25

Monday Last day a graduate student may change registration in a class to or from the credit/no credit basis.
May 2
MondayLast class day in the School of Law.
Last day a law student may, with the required approvals, drop a class or withdraw from the University.
May 3
Tuesday Reading day in the School of Law.
Tuition bills for the summer session distributed to students electronically. Notice is sent to the e-mail address on the student's record.
May 4-7, 9-13
Wednesday-Saturday, Monday-Friday, Spring semester final examinations in the School of Law.
May 6
Friday Last class day except in the School of Law.
Last day to submit master's report, recital, thesis, doctoral dissertation, or treatise to the graduate dean.
Last day a graduate student may, with the required approvals, drop a class or withdraw from the University.
Last day an undergraduate student may register in absentia.
May 9-10, 15
Monday-Tuesday, Sunday No-class days.
May 11-14, 16-17
Wednesday-Saturday, Monday-Tuesday Spring semester final examinations except in the School of Law.
May 18
Wednesday University residence halls close at 9:00 a.m. (except for graduating students).
May 19
Thursday Tuition payment deadline is 5:00 p.m. for undergraduate students who registered for the summer session during the spring.
May 20-21
Friday-Saturday Graduation ceremonies in the colleges and schools.
May 20
Friday Commissioning of ROTC graduates.
May 21
Saturday Commencement (official graduation date).
May 22
Sunday University residence halls close at 9:00 a.m. for graduating students.

FINAL EXAM –

11:00 am–12:00 pm MWF	Monday, May 16, 9:00 am-12:00 noon

The date and time of the final exam is set by university rules and are given at:
https://registrar.utexas.edu/schedules/212/finals

Final exam https://registrar.utexas.edu/schedules/222/finals

Wednesday, May 11–Saturday, May 14
Monday, May 16–Tuesday, May 17

Default final exam times

Class meets:	Default final exam time:
8:00 am–9:00 am MWF	Tuesday, May 17, 2:00 pm-5:00 pm
8:00 am–9:30 am TTH	Monday, May 16, 2:00 pm-5:00 pm
9:00 am–10:00 am MWF	Tuesday, May 17, 9:00 am-12:00 noon
9:30 am–11:00 am TTH	Saturday, May 14, 2:00 pm-5:00 pm
10:00 am–11:00 am MWF	Thursday, May 12, 2:00 pm-5:00 pm
11:00 am–12:00 pm MWF	Monday, May 16, 9:00 am-12:00 noon
11:00 am–12:30 pm TTH	Thursday, May 12, 9:00 am-12:00 noon
12:00 pm–1:00 pm MWF	Wednesday, May 11, 2:00 pm-5:00 pm
12:30 pm–2:00 pm TTH	Saturday, May 14, 9:00 am-12:00 noon
1:00 pm–2:00 pm MWF	Saturday, May 14, 7:00 pm-10:00 pm
2:00 pm–3:00 pm MWF	Friday, May 13, 9:00 am-12:00 noon
2:00 pm–3:30 pm TTH	Wednesday, May 11, 9:00 am-12:00 noon
3:00 pm–4:00 pm MWF	Wednesday, May 11, 7:00 pm-10:00 pm
3:30 pm–5:00 pm TTH	Friday, May 13, 2:00 pm-5:00 pm
4:00 pm–5:00 pm MWF	Friday, May 13, 7:00 pm-10:00 pm
5:00 pm–6:00 pm MWF	Friday, May 13, 7:00 pm-10:00 pm
5:00 pm–6:30 pm TTH	Thursday, May 12, 7:00 pm-10:00 pm

GENERAL: The schedule below is given as a general indication of the topics to be covered. The schedule, including the topics to be covered on the tests, may be changed in class. If you miss class, it is your responsibility to become aware of any announcements made in class.

COURSE SCHEDULE OF LECTURE TOPICS **(LAB TOPICS ARE IN BOLD)**:

Date	Topic	Reading	Homeworks are on CANVAS
1/19	**WEEK 1 NO LAB – Monday is a Holiday**		
1/19	Course Overview	Etter: Ch. 1 Chapra: Ch. 2	
1/21	Flow Charts	Etter: Sec 2.1-2.3	
1/24-28	**WEEK 2 Introduction to computer programming software**		
1/24	Constants and Variables Input, Output and Graphing	Etter: Sec 2.4-2.10	
1/26	Assignment Statements and Intrinsic Functions		
1/28	Number Systems	Chapra 3.1, 3.2, 3.4.1	
1/31-2/4	**WEEK 3 Lab 2 Input and Output Commands**		
1/31	Number Systems		
2/2	Errors	Chapra 3.3	
2/4	Roundoff vs Truncation in Output Formats		
2/7-11	**WEEK 4 Lab 3 Rounding, Truncation, and Mixed Mode Operations**		
2/7	Selection	Etter 3.1-3.3	
2/9	Repetition	Etter 3.4-3.9	
2/11	Logical tests		
2/14-18	**WEEK 5 Lab 4 Control Structures**		
2/14	Functions	Etter 6, 7	
2/16	Subprograms and subroutines		
2/18	Data Files	Etter 4	
2/21-25	**WEEK 6 Lab 5 Control Structures II**		
2/21	Sorting		
2/23	Roots of Equations	Chapra: 5.1-2, 6.1-2, 7.1	
2/25	Bisection and Iterative Methods		
2/28-3/4	**WEEK 7 Lab 6 Arrays, Sorting, Loops**		
2/28	Newton-Raphson Methods		
3/2	Review for first exam		
3/4	**FIRST EXAM**		
3/7-11	**WEEK 8 Lab 7 Functions and Subroutines**		
3/7	Matrices and Arrays	Etter 5	
3/9	Determinants		
3/11	Kramer's Rule		
3/14-18	**WEEK 9 SPRING BREAK**		
3/21-25	**WEEK 10 Lab 8 Newton Raphson Method – Iterative Methods**		
3/21	Gauss Elimination		
3/23	Partial Pivoting and Back Elimination		
3/25	Scaling, Gauss-Jordan and Inverse Matrix		
3/28-4/1	**WEEK 11 Lab 9 Gauss Methods for Solving a System of Linear Equations**		
3/28	Gauss-Seidel	Chapra: 11.2	
3/30	Interpolation – Newton's Method		Chapra: 18.1.1, 18.2
4/1	Interpolation – Lagrange's Method		

4/4-8 WEEK 12 Lab 10 Linear and Non-linear Least Squares Best Fits
4/4 Linear Least Squares Best Fit
4/6 Polynomial Best Fit
4/8 Multiple Linear Best Fit

4/11-15 WEEK 13 Lab 11 Integration
4/11 Trapezoidal Rule
4/13 Simpson's Rules
4/15 Numerical Integration of unequally spaced data and MATLAB

4/18-22 WEEK 14 Lab 12 Differentiation
4/18 Numerical Differentiation
4/20 Numerical Differentiation of unequally spaced data and MATLAB
4/22 Ordinary Differential Equations

4/25-29 WEEK 15 Lab 13 Runga Kutta Methods for Differential Equations
4/25 Euler and Runga-Kutta methods
4/27 Simultaneous Differential Equations
4/29 Review for Second Exam

5/2-6 WEEK 16 OPTIONAL Lab 14 Simultaneous Differential Equations
5/2 **SECOND EXAM**
5/4 Return and Review of Second EXAM
5/6 Instructor Evaluations and Review for Final

5/16 FINAL EXAM - Optional Final

11:00 am–12:00 pm MWF	Monday, May 16, 9:00 am-12:00 noon

The date and time of the final exam is set by university rules and are given at:
https://registrar.utexas.edu/schedules/212/finals

Emergency Preparedness Plan

CAEE – Cockrell School of Engineering

Important Phone Numbers

- 24-hour Emergency (police, fire, EMS) 911
- UT Police Department 512-471-4441
- UT Emergency Information (Alerts) 512-232-9999

Medical Emergency – Call 911 and Report the Following Information

- Type of Emergency
- Location of victim
- Condition of the victim
- Any dangerous conditions

Fire Emergencies – Sound the Alarm

- Know where the manual fire alarm pull stations are on your floor
- Pull the alarm in the event of a fire emergency
- Evacuate ECJ when prompted by sounding fire alarm or by an official announcement.

Evacuation Route

- Close office doors and turn off lights. If possible, take your personal effects (keys, purse, etc.) with you
- 3rd Floor through 10th floor occupants should exit via west exit stairwell (if possible) to the 2nd floor and exit the 2nd floor west entrance (plaza)
- 1st floor occupants should exit via 1st floor west entrance
- Walk down stairs to Dean Keeton Street sidewalk and turn left
- Walk to the corner of Dean Keeton Street and Speedway, behind Robert Lee Moore Hall
- Basement occupants should exit via Dean Keaton street entrance on the north side of building (bus stops) and turn RIGHT on Dean Keeton Street, cross San Jacinto Blvd. to the sand volleyball court
- You may see others taking different routes. Follow the designated route so the Emergency Management Team knows where you are and knows you are safe.

The Assembly Area – Where to Go

- The primary assembly area is the southeast corner of Dean Keeton St. and Speedway, behind Robert Lee Moore Hall.
- You may be asked to proceed to the ground floor of Robert Lee Moore Hall, the secondary assembly area. This location may be used during inclement weather.
- You may be asked to evacuate the campus entirely
- Remain outside until notified that it is safe to re-enter the building

Seeking Shelter in Severe Weather – Shelter in Place

- Severe Weather Shelter: Go to the basement of ECJ, west of the elevators
- Emergency Shelter: If you don't have time to get to the basement, get in one of the two major stairwells in ECJ
- Interior hallways on the lowest floor possible are the safest place
- Be prepared to call 512-471-4441 to report any injuries or damages

Threats of Violence

- Call (512) 471-4441 or 911 immediately

Lockdown – Potential Violence in Your Area

- Lockdown is used to stop access and/or egress to all or a portion of the buildings on campus
- Lock the interior doors and turn off lights. Close blinds or curtains. Sit or lie on the floor behind desks. Be quiet.
- Silence cell phones. Use cell phones only to contact law enforcement.
- If you are directed by police to leave secured area, do so quickly. Updated information may be delivered over Public Address System.