Name: Dr. Jonathan Mitchell
Communication: The primary channel of communication will be email and Zoom
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Class: https://sfasu.zoom.us/j/94914192648?pwd=N3dDSGNWTDB2Tm5ienpPdGROdzR3dz09
Meeting ID: 949 1419 2648
Passcode: diffeq
YouTube Channel: www.YouTube.com/MathDoctorMitchell
Phone: 936-468-1606
Office: Math building 352
Office Hours: by appointment only.

Dr. Mitchell's Meeting Room: https://sfasu.zoom.us/j/3274089464?pwd=S2JaejM0bGRGRXdiaVBSaEJlb3cxQT09
Meeting ID: 327 408 9464

Course Description: We will determine solutions to differential equations of physics, chemistry, and engineering, as well as analyze the characteristics of the solutions.

Text and Materials

Prohibited Resources (during quizzes and exams)
- Online math resources, such as Chegg, wolfram alpha, etc.
- A friend, family member, or any other individual who helps you work math exercises.
- (unless told otherwise) Graphing Calculator, online graphing utilities, such as desmos

Course Requirements
- Homework — Students will be assigned exercises from the textbook for each topic in the course.
- Quizzes — Students will have periodic quizzes during class, which are to be worked independently. Students should be able to complete each quiz in 15-30 minutes.
- Two synchronized exams — Students who live near Nacogdoches are expected to come to class and take the exams in person. Students who cannot come to class will join the synchronized zoom meeting at the specified exam times. For more information, see the section on Exams below.
- Cumulative final exam — The final exam is Friday, August 6, 10:00 am – 12:00 pm
- Zoom meeting attendance and participation — Students are expected to come to every class in person or via Zoom. The best way to be successful in mastering the learning objectives is to engage in the class discussions and interact with the instructor often.
- Preparing for class — Students should be prepared to invest 2-4 hours per day outside of class meetings studying: reading the textbook, practicing examples, and working assigned homework exercises. Check your SFA @jacks email and Brightspace (D2L) daily, as I may send reminders, assignments, or announcements.

Grading Policy
Your overall grade is determined by the following formula:

0.15(Quiz Average) + 0.05 (Effort) + 0.24(Exam 1) + 0.26(Exam 2) + 0.30(Final Exam)
That is, it is a weighted average with the following weights:

| Effort  | 5% | Letter Grade:
|---------|----|----------------
| Quiz Average | 15% | 90 – 100 A
| Exam 1 | 24% | 80 – 89 B
| Exam 2 | 26% | 70 – 79 C
| Final Exam | 30% | 60 – 69 D
|          | 0% | 0 – 59 F

**Demonstrate Effort** – Although effort is subjective, there are a number of objective elements students should practice and for which your instructor will watch. These include the following

1. Asking honest and relevant questions
2. Joining Zoom meetings or otherwise scheduling occasional meetings,
3. Academic honesty,
4. Submitting quizzes **professionally** and punctually.
5. Improvement

This is not an exhaustive list but should give the student a good idea of how demonstrate a strong work ethic.

**Quizzes** – There will be quizzes assigned on a regular/synchronized basis. These will be the measure by which your instructor gauges how well you have mastered the learning objectives as well as put forth the necessary effort and energy to work all assigned HW exercises. Students who can work the HW exercises without resources will (generally speaking) perform quite well on the quizzes. Each quiz is to be worked independently and without **prohibited resources**. Understanding the material is important, yet equally important is the ability to articulate what you understand (speaking and writing the mathematics correctly). For this reason, quizzes are a good opportunity for feedback from your instructor as students refine their understanding in preparation for the exams. If your instructor suspects a student used prohibited resources, then he reserves the right to schedule a Zoom meeting with the student during which a similar math problem will be worked and critiqued in a live manner. **There will be no make-up quizzes.** At the end of the summer session, your instructor will drop every student’s lowest few Quiz grades as a matter of grace and understanding. Students are encouraged, however, to plan ahead and be prepared to submit assignments before the due date and time. This habit will help students deal with technological obstacles and other life issues when they inevitably arise.

**Exams** – The two regular exams will take place in a synchronized manner on the specified dates (see the schedule in Brightspace). Each exam is to be worked independently and without **prohibited resources**. To help ensure that this happens, students will come to class or join a Zoom meeting and will be proctored on a webcam (smartphones have cameras) as they work the exam. If a student cannot attend the specified time(s), then he or she must notify the instructor at least 48 hours before the exam time, and a suitable accommodation will be presented.

**Attendance Policy**

Students are expected to attend all class meetings if possible. However, in order to accommodate students who cannot attend synchronized meetings, your instructor will record and post instructional lecture videos for students to watch (and re-watch) at their leisure. **There are benefits of coming to class:** hardcopies of quizzes/exams are printed and provided for you, easier to interact with other students/faculty, instructor cannot view facial expressions in real time, friendly conversations before/after class, fewer technological difficulties (loss of internet, power, etc), less distractions from multitasking temptations, and more. Having said that, be assured, there is no direct penalty for attending via Zoom only. “Zoomers” and “Face-to-face folks” will be treated equally with regard to how one’s grade is computed.

**Tips for Success:**

1. Print the available slides. Come to class. Join the Zoom meetings. Take notes. Ask questions!
2. Be professional and punctual.
3. Check your SFA email and Brightspace (course page) at least once per day. I will do the same.
4. Do all assigned HW exercises independently and promptly.
SFASU values students’ mental health and the role it plays in academic and overall student success. SFA provides a variety of resources to support students’ mental health and wellness. Many of these resources are free, and all of them are confidential:

**On-campus Resources:**
- SFASU Counseling Services
  - [www.sfasu.edu/counselingservices](http://www.sfasu.edu/counselingservices)
  - 3rd Floor Rusk Building
  - 936-468-2401
- SFASU Human Services Counseling Clinic
  - [www.sfasu.edu/humanservices/139.asp](http://www.sfasu.edu/humanservices/139.asp)
  - Human Services Room 202
  - 936-468-1041

**Crisis Resources:**
- Burke 24-hour crisis line 1(800) 392-8343
- Suicide Prevention Lifeline  1(800) 273-TALK (8255)
- Crisis Text Line:  Text HELLO to 741-741

The following is an excerpt from SFA Policy 5.4:

*The federal definition of a credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates:*

1. *Not less than one hour of classroom or direct faculty instruction and a minimum of two hours out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or 10 to 12 weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time, or;*
2. *At least an equivalent amount of work as outlined in item 1 above for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.*

To this end, all students in courses offered by the Department of Mathematics and Statistics that wish to be successful should plan to spend a minimum of two hours outside of class for every credit hour associated with this course. Expected activities to be completed in the time outside of class include reviewing notes from previous class meetings, reading assigned course resources, completing all assigned exercises and projects, and performing periodic assessment preparation.