# MATH 2150-01: Differential Equations
# Spring 2025

**Instructor:** Tony Shaheen
**E-mail:** ashahee@calstatela.edu
**Office Hours:** Monday and Wednesday 11am - 12pm; location to be determined.

**Course Website:** Follow the link from http://www.calstatela.edu/research/ashahee/
**Lectures:** Monday and Wednesday, 4:30pm – 5:45pm in SH 137.

**Textbook:** There is no required textbook for the course.    See the website for optional textbooks.

**Calculators:** You may use a calculator on the exams that is not your phone.   You will need a calculator for the Euler method topic which is near the end of the course.

**Prerequisite:** Math 2130.
**Description:** Methods of solving first and second order differential equations.
**Student learning outcomes:**  Students who successfully complete this course will be able to use the techniques in this course to solve various kinds of first and second order ordinary differential equations.

**Homework:** Homework will be assigned but not collected.   The homework problems and solutions are posted on the course website.

**Grading:** Your grade will be based on two tests.   Test 1 covers roughly the first half of the class and test 2 covers roughly the second half of the class.    There is also an optional cumulative final exam that can be used to replace one or both of your test grades.

I will use the best of the following systems for your grade:

> Two test system: Test 1 = 50%, Test 2 = 50%
> Drop one test system: Better of test 1 / test 2 = 50%, Final = 50%
> Drop both tests system: Final = 100%

When I hand back test 2, I will let you know the grade you have so far based on the two test system. You can then decide if you want to take the final exam or not.   The final exam will be a cumulative exam that covers both test 1 and test 2 material.

**Tentative Exam Dates:** Note that the final exam time/day is scheduled by the school, and it may change.

Test 1: Monday, March 17, in class
Test 2: Monday, April 28, in class
Final: Wednesday, May 14, 2:30pm-4:30pm

**ADA statement:**  Reasonable accommodation will be provided to any student who is registered with the Office of Students with Disabilities and requests needed accommodation.    Let me know if you take your tests with OSD.

**Academic honesty statement:**  Students are expected to do their own work.  Copying the work of others, cheating on exams, and similar violations will be reported to the University Discipline Officer, who has the authority to take disciplinary actions against students who violate the standards of academic honesty.

**Student responsibilities:**  Students are responsible for being aware of all announcements that are made in class, such as changes in exam dates, due dates of homework and papers, and cancellation of class due to instructor's absence.  Students are responsible for announcements made on days that they are absent.

Students must check their CSULA email account regularly for information from the instructor and the Department.  Failure to do so may result in missed deadlines or other consequences that might adversely affect students.  Note that you can forward this email account to any other account of your choosing.