

# Math 243A: Ordinary Differential Equations and Dynamical Systems Fall 2021

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INSTRUCTOR	Paul J. Atzberger <a href="http://teaching.atzberger.org/">http://teaching.atzberger.org/</a>	<i>Office Hours:</i> TR 12:15pm – 1:45pm <i>Location:</i> see course website
CLASS TIMES	TR 2:00pm – 3:15pm. Buchn 1934	
DESCRIPTION	ODEs arise in many fields including in many branches of mathematics, the natural sciences, engineering, and statistical inference. In this course we will cover mathematical foundations, solution techniques and analysis, and applications.	
PREREQUISITES	A knowledge of real/complex analysis and linear algebra.	
TEXTBOOKS	<i>Ordinary Differential Equations and Dynamical Systems</i> by T. Sideris.	
GRADING	Homework	30%
	Midterm Exam	30%
	Final Exam	40%
POLICIES	Assignments will be assigned in class and posted on the course website. Prompt submission of homeworks will be required. While no late homework will be accepted, one missed homework will be allowed without penalty. While it is permissible for you to discuss materials with classmates, the submitted homework must be your own work.	
EXAMS	The midterm exam will be given in class on Tuesday, October 26.	