Andrew Vince Department of Mathemat	ics		
=	×	د. د	<b>Q</b>
Differential Equations			
MAP 2302 – 5590 Fall 2016			
Time: MWF period 3   Place: Little 219   Phone: 352-294-2339   Office: 438 Little Hall   Email: avince@ull.edu			
Textbook: Fundamentals of Differ by Nagle, Saff, Snide			
	y, Wednesday, Friday period 6 by appointment)		
Links			
homework topics messages grades cell phone policy			
Homework			
Topics			
Introduction What is a differential equa Ordinary - partial; linear - i Order of a differential equa Exact vs a numerical solu Existence and uniqueness Direction fields	nonlinear ation tions to a differential equation		
Mathematical Models			
First Order Differential Equat Separable DEs Linear DEs Exact DEs Bernoulli equation Substitution	ons		

Modeling with First Order Equations Logistic equation

Linear Second Order Equations Spring problems Constant coefficients - homogeneous Constant coefficients - non-homogeneous Variation of parameters Undetermined coefficients

Laplace transform methods Laplace transform and the inverse Solving initial value problems Laplace transform of discontinuous functions, periodic functions, Dirac Delta function Convolutions

Systems of Equations Phase plane

## Messages

Free tutoring at the Teaching Center, SW Broward Hall. Check www.teachingcenter.ufl.edu for the time schedule.

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.d so.ufl.edu/drc/) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must b e presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as pos sible in the semester.

The course will be conducted in accordance with the University honor code, academic honesty policy, and policy regarding the use of copyrighted material.

"Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university p olicies that can be found at: https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx"

Information on current UF grading policies for assigning grade points

may be found at: https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx.

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at https://evaluations.ufl.edu. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific time s when they are open. Summary results of these assessments are available to students at https://evaluations.ufl.edu/results/.

## Grades

three exams 30% each homework 10%

(not the recommended method for remembering formulas)









© 2016 University of Florida, Gainesville, FL 32611; (352) 392-3261. Page Updated: April 15, 2016 This page uses Google Analytics (Google Privacy Policy)