MATH 2214: Introduction to Differential Equations  
CRN 85311 / Fall 2016

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Office hours: 2:00 – 3:30 PM Tuesdays, 11:00AM – noon Wednesdays, and by appointment

COURSE INFORMATION

Date and time: 8:00 AM – 9:15 AM Tuesday & Thursday  
Location: Goodwin Hall 145

Course homepage: [http://www.math.vt.edu/courses/math2214/](http://www.math.vt.edu/courses/math2214/)

Canvas page: Course information, suggested practice problems, assignments, and grades will be communicated through the canvas site. You will be responsible for any information posted there so make sure to check this site regularly.


Objectives: This course is an introduction to the theory of differential equations, the techniques for their solution, and the applications in which they arise. The main course homepage ([http://www.math.vt.edu/courses/math2214/](http://www.math.vt.edu/courses/math2214/)) contains an outline of the course content.

Prerequisites: Math 1206 (Integral Calculus) and Math 1114 (Linear Algebra)

EVALUATION PROCEDURES

The grade for the course will be based on homework, quizzes, three in-class exams and a final exam. A score of 94 or more will guarantee you an A. Attendance will be taken daily but not used for grades. The following percentages will be used to determine your grade:

- Homework and Quizzes: 20%
- Exams: 60% (20% each)
- Final Exam: 20%

Homework and quizzes: Homework and quizzes are worth 20% of your grade.

Homework assignments are due Thursdays during class and will be graded for completion only. You are encouraged to work with others but you must write and submit your own solutions. Do not use solution manuals or help from the internet to solve the problems.

Quizzes are given every Thursday (unless there is an exam). Questions are based on the homework. No makeup quizzes will be given. To receive full credit you will need to clearly explain all the steps you undertake to reach a result.
Exams: There will be 3 in-class tests, each worth 20% of your grade. No make-up tests will be given. If a student misses an exam and has a valid, documented excuse, he or she will be excused and the final exam grade will replace the missed exam score. Travel plans are not extenuating circumstances. Exam dates:

- **Exam 1:** Thursday, Sept 15<sup>th</sup>
- **Exam 2:** Thursday, Oct 20<sup>th</sup>
- **Exam 3:** Thursday, Nov 17<sup>th</sup>
- **Final Exam:** Wednesday, Dec 14<sup>th</sup>, 11:05 AM to 1:05 PM

The final exam will count for 20% of your grade. The exam has two parts. The Common Time exam (CTE) is a multiple-choice exam worth 50% of your final exam grade. The second part is a free response exam worth 50% of your final exam grade. The final exam is cumulative, that is, the exam will include all contents covered throughout the semester. The final exam is a required class meeting that will not be rescheduled for discretionary reasons, including conflicts with work schedules or with classes or exams at other colleges. The mathematics department will NOT accommodate any exam conflicts. Students with three final exams within 24 hours should reschedule a non-common final exam.

**STUDENT RESPONSIBILITIES**

**VT honor system:** Students enrolled in this course are responsible for abiding by the Honor Code. If you have doubts about how the Honor Code applies to any assignment, you are responsible for obtaining specific guidance from the course instructor before submitting the assignment for evaluation. Ignorance of the rules does not exclude any member of the University community from the requirements and expectations of the Honor Code. For additional information about the Honor Code, please visit the following website: [https://www.honorsystem.vt.edu](https://www.honorsystem.vt.edu).

**Classroom courtesy:** You and your classmates are here to learn, and that happens best in an atmosphere of mutual respect with freedom from distractions and disturbances. All of us should abide by the Virginia Tech Principles of Community.

**Extra time:** Students who need adaptations or accommodations because of a disability (learning disability, attention deficit disorder, psychological, physical, etc.), or have emergency medical information to share with me, or would need special arrangements in case the building must be evacuated, please feel free to meet with me to discuss what can be done to help fulfill the requirements of the class. They may also contact the Dean of Students who will see that their special needs are considered and appropriately addressed. Students requiring testing accommodations must work through the appropriate university offices: [http://www.ssd.vt.edu/index.html](http://www.ssd.vt.edu/index.html). Any paperwork must be completed and validated prior to the first test.

**From the Math Department:** If you are not on the class roll that comes out after the last add date, immediately check your schedule and start attending the proper section. For no foreseeable reason will you be allowed to stay in the wrong section or to drop a section for which you are actually enrolled after the last drop date. By simply attending a section you will not be placed on its roll.