

Instructor : Aaron Montgomery
Office : Bouillon 107F
Office Hours : MWF 10:00, TTh 12:00, and by appt.
Email : montgoaa@cwu.edu
Phone : 963-1906
Text : *A First Course in Differential Equations*, by Logan
Web : webwork.math.cwu.edu/~montgomery/141/377

Content

The course will cover systems of differential equations and the Laplace Transformation. We will cover Chapters 4–6 of the textbook.

Computer

Many systems of differential equations cannot be solved by hand and we will use computer programs to help understand these systems. We will use the two Java programs found at <http://math.rice.edu/~dfield/dfpp.html> as well as *Mathematica* (available in Bouillon 103 and the Library computer labs).

Grading

Grades will be based on homework (100 points), a midterm on February 14 (100 points) and a final exam (100 points) during finals week.

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|-------------|----|--|-------------|---|--|-------------|----|
| $\geq 87\%$ | B+ | | $\geq 93\%$ | A | | $\geq 90\%$ | A- |
| $\geq 77\%$ | C+ | | $\geq 83\%$ | B | | $\geq 80\%$ | B- |
| $\geq 67\%$ | D+ | | $\geq 73\%$ | C | | $\geq 70\%$ | C- |
| | | | $\geq 63\%$ | D | | $\geq 60\%$ | D- |

Accommodations

Students who have special needs or disabilities that may affect their ability to access information or material presented in this course are encouraged to contact me or the Center for Disability Services.