Math 230 - Differential Equations
Spring 2017 Course Syllabus Highlights

James Jones, Professor of Mathematics

Mathematics, Science, & Business Division – Richland Community College

This contains the highlights from the complete syllabus, which is available on the instructor's website.

Course Meeting Information

Section 01 meets 10:30 – 11:40 am on Monday, Wednesday, and Friday in room S137 on Richland's main campus. The Spring 2017 semester begins January 17, 2017, and ends May 19, 2017. This is a face-to-face course, but the Canvas learning management system will be used.

Instructor Information

James Jones, Professor of Mathematics

Email: james@richland.edu

Web: https://people.richland.edu/james/

Phone: 217-875-7211, ext 6490

Office: C223

Canvas: https://richland.instructure.com

The best way to contact the instructor outside of class is through Canvas or by email. Please do not leave a voice mail as it will not reach the instructor in time to help you.

Office Hours

I spend most of my office hours in the classroom, room S137. Meeting in the classroom provides greater access for students to get help with their assignments, homework, projects, quizzes, exams, and questions.

- Monday: 10:10 - 10:30a, 11:40a - 12:00n, 2:10 - 2:30p, 3:40 - 4:50p
- Wednesday: 10:10 - 10:30a, 11:40a - 12:00n, 2:10 - 2:30p
- Friday: 10:10 - 10:30a, 11:40a - 12:00n, 2:10 - 2:30p

Students are encouraged to come to class early each day and use that time to ask questions of the instructor, work on projects, or just socialize with other students in the course.

Text

- Differential Equations with Boundary-Value Problems, seventh edition. Dennis G. Zill, Michael R Cullen. Copyright 2009, Brooks/Cole. ISBN-13: 978-0-495-10836-8 (required)
- Differential Equations with Boundary-Value Problems Student Solutions Manual. Warren S. Wright, Dennis G. Zill, Carol D. Wright. Copyright 2009, Brooks/Cole Publishing Company. ISBN 978-0-495-38316-1. (Optional)

Grading Policy

Letter grades will be assigned to final adjusted scores as follows:

A: 90-100%   B: 80 - 89%   C: 70-79%   D: 60-69%   F: below 60%

Standard rounding rules apply, so an 89.5% will be considered an "A".

There will be 500 points possible in the semester, equally distributed among:

- **Exam 1**: First Order Differential Equations (Chapters 1-3)
- **Exam 2**: Higher Order Differential Equations (Chapters 4-5)
- **Exam 3**: Series Solutions and Laplace Transforms (Chapters 6-7)
- **Application Projects**: There are three student-designed projects in the semester. The third project will involve a presentation in lieu of the final exam.
- **Learning Portfolio**: This electronic portfolio will allow you to collect artifacts of learning that demonstrate your understanding of the material.

There will be other activities and assessments such as quizzes and homework, but these are to help you learn the material and give you practice rather than to determine your grade.

Highlights

- You are responsible for all information given in class, even if you are absent.
- Assignments are due at the beginning of the class period on their due date.
- Late assignments lose 20% of their value for every class period late.
- No late work will be accepted after the final.
- The student must notify the instructor when late work is submitted.
- You *may* be dropped if you miss two consecutive days without communicating with the instructor.
- You need to bring your calculator every day.
- The Canvas learning management system will be used for submitting assignments and keeping the gradebook.
- All grades are subject to audit and change if mistakes are found.