

MAT 3130, Introduction to Differential Equations

Course Information

Prof Wm C Bauldry

Mathematical Sciences

August, 2013

Course Information:

MAT 3130, §101

Catalog Entry

MAT 3130. Introduction to Differential Equations (3).F;S.

A theory of ordinary differential equations with applications and classical methods for their solutions including series and Laplace transform techniques. Some numerical methods and differential equations software might be introduced. Prerequisite: MAT 1120, with MAT 2240 recommended.

Text

Differential Equations by Paul Blanchard, Robert Devaney, & Glen Hall. An online version is available at CourseSmart.

Syllabus

We will cover material and special topics considering most of chapters 1 through 4 of our text. Depending on time and interest, we will consider topics from chapters 5 and 6 or 7. (See the text's [web site](#).)

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Contact Information

Professor: Dr Wm C Bauldry

Office: Walker 237

Office Hours: To be announced and/or by appointment.
Check my [online calendar](#).

Phone: (828) 262-2355 *office*
(828) 278-9355 *my Voice Mail (via Google)*
(828) 262-3050 *Dept of Math Sciences*

Email: BauldryWC@appstate.edu

IM: App Chat to *BauldryWC (electronic office hours)*

Class Web: <http://mathsci2.appstate.edu/~wmcb/Class/>



QR code vCard

Grading

2 midterm exams	≈	200 pt.
Quizzes & homework	≈	100 pt.
Projects & Reports	≈	100 pt.
Final Exam (Fri, 12/13 @ 3 pm)	≈	150 pt.
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Total	≈	550 pt.

There are two requirements:

① Accumulate the necessary points:

90%: A-

80%: B-

70%: C-

55%: D

*These are anticipated cut-off scores
and may be lowered (but not raised).*

② Pass the final exam (at least 50%)

Note: Attendance is expected, but not graded.

Generic Comments

- We will be using: graphers and Maple™ (See *Quick Reference Sheets*)
- Attendance is not graded; however, mathematics can only be learned through active participation — not by osmosis. Study groups are good!
- Cell phones must be silent during class and must be turned off for quizzes and tests. Using a cell phone during a quiz or test is academic misconduct. The instructor's cell-phone will be turned on during quizzes and tests for emergency notification.
- If you find a concept difficult, come in for help. Don't wait until an exam or quiz to prove that you don't understand something.
- If you cannot attend a test, make arrangements *before* an exam to make it up. There are no post hoc make-ups. Missed quizzes or homework assignments will not be made up. Keep close track—the days of exams & quizzes or due dates for homework may change.

University Policies

*See the Academic Affairs Policy Page***● Academic Integrity Code***See the complete Academic Code*

Students . . . agree to abide by the following Code:

- Students will not lie, cheat, or steal to gain academic advantage.
- Students will oppose every instance of academic dishonesty.

● Disability Services*See the Office of Disability Services*

“Appalachian State University is committed to making reasonable accommodations for individuals with documented qualifying disabilities”

● Attendance Policy*See the ASU Attendance Policy*

“Class attendance is an important part of a student’s educational experience. Students are expected to attend every meeting of their classes and are responsible for class attendance.”

● Student Engagement with Courses*See Student Engagement*

The “foremost activity of students is an intense engagement with their courses. In practical terms, students should expect to spend two to three hours of studying for every hour of class time.”