MATH 308 – 518: Differential Equations, Spring 2010

www.math.tamu.edu/~jhauenst/math308
11:30 am – 12:20 pm MWF
BLOC 122

Instructor: Dr. Jonathan Hauenstein

Office Hours: Milner 123
MWH: 10:00 – 11:00 am
Other times by appointment or drop-in

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Textbook: *Differential Equations: An Introduction to Modern Methods & Applications.* J.R. Brannan and W.E. Boyce, Wiley, 2007.

Goals: The goals for this class are:

- Solving first and second order differential equations
- Solving systems of first order differential equations
- Classical and numerical (utilizing MATLAB) solution strategies

The class will cover selected sections from Chapters 1 to 7 and Appendix A.

Collaboration: Collaboration is encouraged for homework assignments. In order to promote understanding amongst everyone, each person in a group must write up and turn in their individual solutions. However, copying someone else's work is not acceptable and this act of academic dishonest will be prosecuted following University policy.

Homework: Homework is designed to help students understand the material and to prepare them for the exams. Homework will be posted on the course webpage (www.math.tamu.edu/~jhauenst/math308). Unless noted otherwise, weekly homework will be collected at the beginning of class each Wednesday. Late homework will only be accepted if the student has a University-approved excuse.

Homework will be graded according to the following scale:

- 0 – little or no work
- 1 – some work, but not complete
- 2 – all problems sufficiently attempted
- 3 – all problems nearly correct

Your final homework grade will be scaled to be out of 75 points. For example, if there are 10 homework assignments and you earned 28 out of the 30 possible points, your homework grade will 70 since 28/30 = 70/75.

Exams: There will be 2 exams given during the semester and a comprehensive final exam. Make-up exams will only be given for a documented University-approved excuse. Students are required to notify the instructor by the end of the second working day after missing an exam.

Exam schedule:

- First exam: Friday, February 26
- Second exam: Friday, April 9
- Final exam: Wednesday, May 12, 10:30 am – 12:30 pm

Exams will only be collected upon presentation of your Aggie Card.

Grading: The final grade will be based on the total points earned out of a possible 425 points. There are no opportunities for extra credit in this course.

Homework	75 points
Exams (2)	100 points each
Final Exam	150 points
Total	**425 points**

The grading scale will be

A	380 and above
B	335 – 379
C	290 – 334
D	245 – 289
F	Below 245

Before the final exam, I will compute a preliminary grade using the average of the first two exams as your score for the final exam. Each student will be given the opportunity to accept this grade without taking the final exam. If a student chooses not to accept this grade, the score on the final exam will be used to compute the final grade.

S/U grades: 'S' for a letter grade of C or above.

Incompletes: Incompletes will be considered if all but a small portion of the class has been successfully completed and are prevented from completing the course by a severe, unexpected, and documented event. Students who are simply behind in their work should consider dropping the course.

Disabilities: The American with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protections for persons with disabilities. Among other things, this legislation provides that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, Cain Hall, Room B118, (979) 845-1637. For additional information, visit http://disability.tamu.edu.

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Honor Code: "An Aggie does not lie, cheat or steal, or tolerate those who do." For additional information, visit http://www.tamu.edu/aggiehonor.

Other websites: Campus emergency: http://studentaffairs.tamu.edu/emergency
Department of Mathematics: http://www.math.tamu.edu
Math Calclabs: http://calclab.math.tamu.edu
Student Rules: http://student-rules.tamu.edu

Disclaimer: In the interest of effective teaching, changes to the above information, including the dates of the midterm exams, may be made. Any changes will be announced in class and on the class web site.