

**SYLLABUS AND COURSE INFORMATION FALL 2010**  
**MATH 315 – DIFFERENTIAL EQUATIONS : 315.001**  
**Room: Jour 104, Meets 08-30-2010 thru 12-17-2010,**  
**Day and Time: MW 9:30-10:45AM**

**Instructor:** Dr. Nikolay Metodiev Sirakov      **Office:** Binnion 322  
**Office Hours:** T 9AM-12PM      **E-mail:** [Nikolay\\_Sirakov@tamu-commerce.edu](mailto:Nikolay_Sirakov@tamu-commerce.edu)  
Th.9AM- 11AM      **Office Phone:** 903 886 5943  
Additional by appointment

**COURSE DESCRIPTION**

**Text:** Elementary DE and Boundary Value Problems, 9<sup>th</sup> Edition, by Williams E. Boyce & Richard C. DiPrima, 2009 John Wiley, ISBN: 978-0-470-38334-6

**Pre-requisite:** Math 192

**Course Content:** Chapters 1, 2, and 4; Chapter 3: 3.1-3.6; Chapter 4; Section 6.1, Chapter 7: 7.1-7-5; Chapter 5: 5.1-5.3.

**Objectives:** To introduce students to the theory of the ordinary differential equations. To help them develop competitive reasoning and skills in working and solving First and Higher order linear Ordinary DE, First Order Linear systems of Ordinary DE, Series solutions near an ordinary point; Laplace transforms.  
Lectures on Sections 2.8, 2.9 and 5.3 will be given upon time permission.

**COURSE EVALUATION-**

**Basis for Evaluation:**

In-class exams	- 42%
In-class problems, HW	- 12%
Short quizzes	- 18%
Comprehensive final exam	- 28%

**Grading Policy:** **A:** 100%- 90%  
**B:** 89% - 80%  
**C:** 79% - 70%  
**D:** 69% - 60%  
**F:** Less than 59 %

The professor reserves the rights to reward students for continuous hard work.

**Additional Performances:** In class check problems, Home Practice Problems, Extra Credit Problems

<b>Final Test Section: 315.001    Date: December 15, 2010-Wed    Time: 8AM-10AM</b>
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**COURSE POLICIES**

**In-class problems:** *are to be solved during the class period. No makeup is allowed.*

**Short quizzes:** *are to be solved independently during the class period. No makeup is allowed.*

**Tests:** *The two in-class tests will be given roughly at regular intervals. Students will be informed of the test dates around a week in advance. The test will take one class period and will be given at the scheduled times only. No opportunity will be given to take the test at earlier or later times except in cases of formal institutional excuses as mentioned above.*

**Makeup:** *Except in the case of a formal institutional excuse, no individual makeup test will be permitted.*

**Cheating:** test, quizzes, HW and ECP results will be canceled in case of cheating.

Students requesting accommodations for disabilities must go through the Academic Support Committee. For more information, please contact the Director of Disability Resources & Services, Halladay Student Services Bldg., Room 303D, 903 886 5835.

All students enrolled at the University shall follow the tenets of common decency and acceptable behavior conducive to a positive learning environment (See Student's Guide Handbook, Policies and Procedures, Conduct).