Meet: 11:00 - 12:20 (TR) COR 101.

Instructor: Dr. Marcel Finan   Office: Corley 236.

Office hours: 10:00 - 11:00 (MTWRF) and 1:00 - 2:00(M).

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Course Webpage: faculty.atu.edu/mfinan/3243/ann.html

Course Description: A study of the various methods for solving ordinary differential equations. The methods used are numerical (Runge-Kutta methods), analytical (separation of variables, variation of parameters, undertermined coefficients, etc.), graphical (direction fields and phase lines) and Laplace transforms.

Prerequisites: MATH 2914 and MATH 2924 or equivalent.


Assessment Method: There will be FOUR 100-point tests and a 100-point final exam. Grades will be assigned on total points as follows: A (450 - 500), B(400-449), C(350-399), D (300-349), and F (below 300).

Important Dates: The tests are scheduled for Feb. 3, Feb. 24, March 17, and April 7. The final exam is scheduled on Friday May 5 from 10:30 - 12:30 in COR 101.

Course Objectives
The purpose of this course is twofold:
1. To enable the student to recognize and classify ordinary differential equations.
2. To develop methods for understanding (describing and computing) functions which solve these differential equations, the emphasis being on first and second order linear differential equations.

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