Syllabus _ Computer Solution of Electrical Engineering Problems _ EE 1347 _ Spring 2005

Instructor: Dr. Nikolai Stelmakh
OFFICE: 509, Nedderman Hall
OFFICE HOURS: Tue 5:00 - 7:00 PM
MAILBOX: Box 19019-0016
EMAIL: nikolais@uta.edu

Grader: Eduardo Perez
OFFICE HOURS: Monday: 2:30 pm – 5:30 pm, Wednesday: 2:30 pm – 5:30 pm
OFFICE: IEEE student office, NH 132
(Once Mrs. Binkley has assigned the GTA offices, I will held my Wednesday office hours in my office)
EMAIL: eduardo.perez@uta.edu

INSTRUCTOR WEB SITE: http://www-ee.uta.edu/eedepf/faculty/stelmakh.htm
COURSE WEB SITE: http://www-ee.uta.edu/online/stelmakh/ee1347
Required Text: TBD

CATALOG COURSE DESCRIPTION
EE1347 Computer Solution of Electrical Engineering Problems (? hours credit).
This course will develop your ability to see and formulate an engineering problem, write an adequate equation, apply a right solution method. Area of problems will cover mechanical, electrical, optical and, may be, social engineering (rate equations). No specific software will be targeted, after this course you should be able to apply the appropriate solution method to any software environment. Nevertheless, I will target three type of software environment: PSpice, LabView, and Mathematica (MatLab).

Course Objectives: Prepare your computer solution skills for your technical career, next engineering courses, and general culture.

Specific course objectives include:
- Learn how to approach an engineering problem with mathematic equations or set of logic rules
- Training in solving of practical application problems.
- Learn how to check and optimized a numerical solution.

Course organization: Lectures, Homework, Exam I, Exam II, Final Exam, Project
Grading policy: Relative weight of individual results in a final grade: HW 10%, Exam I 20%, Exam II 20%, Final Exam 30%, Project 20%. Percentage for grades: F: 0% - 49%, D: 50% - 60%, C: 61% - 70%, B: 71% - 85%, A: 86% - 100%. Due date for HWs is Thursday 7:00PM. Late homework will be accepted, but 25% will be deducted for each class period the assignment is late!
**Americans with Disabilities Act:**
The University of Texas at Arlington is on record as being committed to both the spirit and letter of federal equal opportunity legislation; reference Public Law 93112—The Rehabilitation Act of 1973 as amended. With the passage of new federal legislation entitled Americans with Disabilities Act — (ADA), pursuant to section 504 of The Rehabilitation Act, there is renewed focus on providing this population with the same opportunities enjoyed by all citizens.

As a faculty member, I am required by law to provide "reasonable accommodation" to students with disabilities, so as not to discriminate on the basis of that disability. Student responsibility primarily rests with informing faculty at the beginning of the semester and in providing authorized documentation through designated administrative channels. If you require an accommodation based on disability, I would like to meet with you in the privacy of my office, during the first week of the semester, to make sure you are properly accommodated.

**Academic Dishonesty**
It is the philosophy of The University of Texas at Arlington that academic dishonesty is a completely unacceptable mode of conduct and will not be tolerated in any form. All persons involved in academic dishonesty will be disciplined in accordance with University regulations and procedures. Discipline may include suspension or expulsion from the University.

“Scholastic dishonesty includes but is not limited to cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts.” (Regents' Rules and Regulations, Part One, Chapter VI, Section 3, Subsection 3.2, Subdivision 3.22).

**ANY CHEATING WILL RESULT IN SEVERE PENALTIES.**
The University of Texas at Arlington supports a variety of student success programs to help you connect with the University and achieve academic success. They include learning assistance, developmental education, advising and mentoring, admission and transition, and federally funded programs. Students requiring assistance academically, personally, or socially should contact the Office of Student Success Programs at 817-272-6107 for more information and appropriate referrals.