Course Syllabus

Credits: 3/0
Class Hours: TR 3:55-05:10
Classroom: 1006 ETB

Instructor: Sergiy Butenko
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Phone: 458-2333
Office Hours: TBA

Course Description

This course develops a modern framework for convex optimization. The topics include introduction to convex analysis, smooth convex optimization, nonsmooth convex optimization, structural optimization, duality theory.


Additional References:


Prerequisite: ISEN 622, co-requisite: MATH 409.

Computer & Software Requirements: Some of the homework assignments may involve coding in MATLAB.

Computer Accounts: The Industrial and Systems Engineering Department maintains an undergraduate computer lab that has virtual 24 hours access, 7 days a week. In order to use this facility, students are expected to establish their accounts within the first week of the course. The lab help desk is located at room 3005A.
Grading: Grading will be based on homework assignments/quizzes (50%) and take-home exams (50%).

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires 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 the Department of Student Life, Services for Students with Disabilities in Room 126 of the Koldus Building, or call 845-1637.

Academic Integrity: “Aggies do not lie, cheat, or steal, nor do they tolerate those who do.” It is the responsibility of students and instructors to help maintain scholastic integrity at the university by refusing to participate in or tolerate scholastic dishonesty. (http://www.tamu.edu/aggiehonor)