

## **EE 303, Signal Analysis and Transform Methods: Organization**

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**Office Hours: Tu, Th 3:30-4:30 and by appointment.**

**Grading: 10 Homeworks, 2 points each. 5 Quizzes, 8 points each. Final Project: 40 points. Up to three students may work on and submit homework together. Up to 3 students may work on final project together.**

**Book: Linear Systems and Signals, B. P. Lathi, 2nd Edition, Oxford University Press.**

### **Topics:**

**1- Signals and Systems 2- Time-Domain Analysis of Continuous-Time Systems 3- Signals and Systems 2- Time-Domain Analysis of Discrete-Time Systems 4- Continuous-Time Systems Analysis Using the Laplace Transform 5- Discrete-Time Systems Analysis Using the Z-Transform 6- Fourier Analysis of Continuous-Time Systems 7- Sampling 8- Fourier Analysis of Discrete-Time Systems 9- State-Space Analysis.**