Course Mechanics:

Pre-requisites: Digital Signal Processing, Linear Algebra, Probability and Random Processes, and MATLAB familiarity (instructor permission is required for registration)

Credit Hours: 4

Presentation format: Seminar style geared towards peer learning. Students will share the burden of presenting material with the instructor. The instructor will present some topics and assign others for student presentation – typically in the form of readings from the text and literature. For student lectures, one student each will be responsible organizing, preparing and presenting the material as well as making and giving out suitable analytical and numerical assignments. Appointed representatives are responsible for setting up a course email list and coordinating projects.

Course Objective:

The course has the dual objectives. On one hand, its goal is to provide students the background required for research in image processing and on the other it aims to develop their capability for independent thought and initiative as well as research maturity.

Course Topics:


Texts: None required. References will be provided in class. You are responsible for obtaining relevant material for the course from different sources.

Grading:

Class Participation 50%
Homework 10% (peer grading)
Project 40% (teams of at least 2)

Instructor:

Prof. Gaurav Sharma
Email: gsharma@ece.rochester.edu
Instructor Office hours: None. Bring all discussions to class. Work in teams to resolve issues with homework problems.
Homepage: http://www.ece.rochester.edu/~gsharma

Teaching Assistants:

All enrolled students! Feel free to call on them for help ☺.