

# Course Schedule - Spring 2006

## Electrical and Computer Engineering

### 418 **Image & Video Processing** Credit: 4 hours.

Basic concepts and applications in image and video processing; introduction to multidimensional signal processing: sampling, Fourier transform, filtering, interpolation, and decimation; human visual perception; scanning and display of images and video; image enhancement, restoration and segmentation; digital image and video compression; and image analysis. Laboratory exercises allow students to gain hands-on experience with these topics and develop C and Matlab programs. Prerequisite: ECE 410; credit or concurrent registration in one of ECE 413, STAT 400, IE 300, MATH 461; MATH 415; and experience with C programming language.

CRN	Type	Section	Time	Days	Location	Instructor
33737	laboratory	NB1	ARRANGED			Moulin, P
33738	lecture	NL1	10:00 AM - 11:20 AM	TR	room 163 Everitt Elec and Comp Engr Lab	Moulin, P