**CS4391 - Introduction to Computer Vision**

**CS 4391** Introduction to Computer Vision (3 semester credit hours) Techniques for manipulating and extracting information from digital images and video. Topics include color representations, analysis and processing based on image histograms, geometric transformations, convolutions, image blurring and sharpening, extraction of edges, matching, image and video motion. Prerequisites: CE 3345 or CS 3345 or SE 3345 or TE 3345 or equivalent. (3-0) Y