COURSE DESCRIPTION:

The objective of this course is to convey the basic issues in computer vision and major approaches that address them. After completing the course, the students will have the knowledge needed to read and understand the more advanced topics and current research literature, and the ability to start working in industry or in academic research. However, this course is **NOT** designed to be a "cookbook" course that gives just a survey of the methods needed in "practice," nor will it cover "commercial" systems in any detail. An emphasis is placed on the implementation of computer algorithms using high level programming languages such as C/C++, MATLAB, etc. to process images.

COURSE TOPICS:

- Image Formation
- Understanding Geometry
- Image Features
- Stereo Vision
- Motion
- Shape Analysis and Object Recognition
- Recognition
- Applications Survey

FOR MORE INFORMATION, PLEASE CONTACT

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