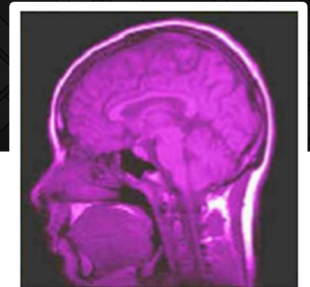


CAP4453

ROBOT VISION

DR. NIELS LOBO



OVERVIEW OF THIS COURSE

This class introduces how vision works in machines. The applications for this technology include entertainment, robot navigation, security, handwriting recognition, industrial inspection, medical imaging, user interfaces, and general intelligent systems.

EVALUATION

Evaluation is based on tests, homework assignments (programming), and a paper review project.

TOPICS

- Edge Detection
- Face Detection
- Object Recognition
- Optical Flow
- Stereo Systems
- Machine Learning

