



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Robotic Vision
Course Number: AIT226

Required Materials

Textbook(s): FANUC 2d-iRvision
Required Readings: None
Additional Materials: Slides, video links and other materials through LMS

Course Outline/Calendar

The date of coverage and order of coverage may be modified based on the faculty member and events beyond the control of faculty members that interfere with class times and teaching.

Week	Chapter/Topic/Lab
1	Chapter 1, 2, 4 - Overview, Safety, iRvision Overview
2	Chapter 5, 6 – Hardware/Software Installation, Camera
3	Chapter 7, 8
4	Chapter 9, 10, 11 – Frames:Tool/Offset/Grid
5	Exam I
6	Chapter 12, 13 – Calibration/Model Learning
7	Chapter 14, 15 – Command Tools/2-D Single
8	Chapter 16 – 2-D Multiple View
9	Chapter 17, 18 – Fixed Camera:Calibration/Process
10	Exam II
11	Project Proposal
12	Project I
13	Project II
14	Project III
15	Project Presentation
16	Final Paper Due