



# STARK STATE COLLEGE

## GENERAL SYLLABUS

### Course Information

**Course Name:** Industrial Robotics  
**Course Number:** AIT220

### Required Materials

**Textbook(s):** FANUC HandlingTool Operations & Programming Student Manual  
**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 1-4/Overview and Safety
2	Roboguide, Chapter 5-6/Teach Pendant, Startup/Jogging
3	Jogging, Chapter 7-9: Files/Variables/Alarms Errors
4	File Management, Chapter 10: Frames (User/Tool/Jog)
5	User/Tool Frames, Exam I
6	Chapter 11-12: Programs/Motions, Programming I
7	Chapter 13: Copying/Editing, Programming II-Editing
8	Chapter 15:Branching, Programming III-Branching
9	Chapter 17:PR and isc, Programming IV-PR/Misc
10	Chapter 14 & 16: I/O and Macros, Programming IV-I/O and Macros and Offsets
11	Exam II
12	Project I – Proposal Due, Project II
13	Project III, Project IV
14	Project V, Project VI
15	Project VII, Project Presentations
16	Final Report Due