



# STARK STATE COLLEGE

## GENERAL SYLLABUS

### Course Information

**Course Name:** Industrial Rigging and Signaling

**Course Number:** PIP237

### Required Materials

**Textbook(s):** Custom - Signaling Manual, Industrial Rigging Manual

**Required Readings:** None

**Additional Materials:** None

### 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	Course Introduction and Safety Foundations, Review rigging/signaling manual
2	Rigging Gear Identification and Inspection, Quiz on Rigging/Signal Manuals
3	Sling Types and Applications, Chapters 1-3
4	Hitch Types and Load Control, Chapters 1-3
5	Load Weight Calculations and Center of Gravity, Chapters 4-6
6	Sling Angle Calculations, Chapters 4-6
7	Hardware, Hooks, and Below-the-Hook Devices, Chapters 7-9
8	Cranes and Hoisting Equipment, Chapters 7-9, Mid-term
9	Advanced Rigging Scenarios, Chapters 9-11
10	Lift Planning Principles, Chapters 9-11
11	Signaling Fundamentals, Chapters 12-13
12	Hand Signals and Voice Signals, Chapters 12-13
13	Advanced Signaling and Communication, Chapters 14-15
14	Integrated Rigging and Signaling Practice, Chapters 14-15
15	Final Review and Applied Practice, Chapters 14-15
16	Written and Practical Test