



STARK STATE COLLEGE

GENERAL SYLLABUS

Course Information

Course Name: Principles of Rigging
Course Number: AIT124

Required Materials

Textbook(s): Bobs Rigging and Crane Handbook
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.

16-Week Course Calendar

Week	Chapter/Topic/Lab
1	Introduction, Shop Safety.
2	Basic Math & Weight Balance
3	Weight Tables Assignment
4	Calculating Center Load
5	Calculating Sling Load Assignment
6	Wire Rope Information
7	Wire Rope Slings
8	MIDTERM
9	Synthetic Sling Info.,.
10	Fiber Rope Sling Info.
11	Rigging Hardware & Hitches
12	Rigging Hitches
13	Structure Limits
14	Cranes and Outrigging Assignment
15	Crane Hand Signals and Review
16	FINAL

8-Week Course Calendar

Week	Chapter/Topic/Lab
1	Introduction, Shop Safety. - Basic Math & Weight Balance
2	Weight Tables - Calculating Center Load - Calculating Sling Load
3	Wire Rope Information Wire Rope Slings
4	MIDTERM
5	Synthetic Sling Info,. Fiber Rope Sling Info.
6	Rigging Hardware & Hitches Rigging Hitches
7	Structure Limits - Cranes and Outrigging - Crane Hand Signals and Review
8	FINAL