

ATLT-1110: TECHNOLOGIES IN RIGGING

Cuyahoga Community College

Viewing: ATLT-1110 : Technologies in Rigging

Board of Trustees:

2015-12-03

Academic Term:

Spring 2019

Subject Code

ATLT - AIT-Lifting Technologies

Course Number:

1110

Title:

Technologies in Rigging

Catalog Description:

Provides an emphasis of the technologies used in lifting and rigging industry. Incorporates the use of computers and specialized equipment to learn how to communicate and solve business and practical shop problems.

Credit Hour(s):

1

Lecture Hour(s):

1

Requisites

Prerequisite and Corequisite

Departmental approval: admission to apprenticeship program in Lifting Technologies.

Outcomes

Course Outcome(s):

Review basics of Mazzella computer software including ERP systems and basic Mazzella business software programs.

Objective(s):

1. List the components and the functions of the Mazzella Companies Adjutant ERP software.
2. Identify the various business software programs used in lifting and rigging.
3. Identify business communication tools used in industry.

Course Outcome(s):

Discuss the specialized computer equipment and software.

Objective(s):

1. List the different types of testing equipment and software.
 2. List the Inspection equipment and software.
 3. Discuss RFID and Unique identification systems.
-

Methods of Evaluation:

1. Participation
2. Assignments
3. Quizzes & Exams
4. Practical application projects

Course Content Outline:

1. Mazzella computer software including ERP systems and basic business software programs.
 - a. List the components and the functions of the Mazzella Companies Adjutant ERP software
 - i. Order entry
 - ii. Customer add
 - iii. Vendor add
 - iv. Purchasing elements
 - v. Receiving
 - vi. Inventory/lot control
 - vii. Production Scheduling
 - viii. Inventory allocation
 - ix. Order close
 - x. Invoicing
 - xi. Reporting
 1. Operating practices
 - b. Business Software Programs
 - i. Excel
 1. Costing matrix
 2. Pricing matrix
 3. Rated load calculations
 4. Business trends and graphing
 5. Contract matrix
 - ii. Word
 1. Front load sheet
 2. Job site overviews
 3. Quotation
 4. Letterhead and communication
 - iii. Power point
 1. Marketing presentations
 2. Training
 3. Apprenticeship program
 - c. Business communication tools
 - i. Website
 - ii. Zavanta
 - iii. Email
 1. Internal
 2. External
 3. Etiquette
 - iv. WebEx
 - v. Phone system
 1. Directory & Paging
 2. Conference Calls
 3. CRM
2. Specialized computer equipment
 - a. List the different types of testing equipment and software
 - i. Data-test software
 1. Proof load
 2. Pre-stretch
 3. Gang
 4. Break
 5. Multiple branch
 6. Dynamic test
 7. Elongation
 - ii. Equipment
 1. Chant
 2. Roberts
 3. Strainsense
 4. Load cells
 5. Indicators

- b. Inspections equipment and software
 - i. Software
 - 1. Crane Inspections
 - 2. Below the hook inspection
 - 3. Rigging gear
 - 4. Customer portal
 - ii. Equipment
 - 1. Hand held devices
 - 2. Scanners
 - 3. Servers
 - 4. Laptops
- c. RFID and identification systems
 - i. Software
 - 1. Infochip
 - 2. N4 systems
 - ii. Hardware
 - 1. Readable data chips
 - 2. Scanners

Resources

Mazzella Lifting Technologies. *Mazzella Lifting Technologies Catalog*. Revision 13. Mazzella Lifting Technologies, 2015.

Freund, Steven M., and Mali Jones. *Microsoft Excel 2013*. Cengage Learning, 2014.

Resources Other

- 1. www.inforchipusa.com
- 2. www.ajt.com
- 3. <https://www.mazzellacompanies.com>
- 1.

Top of page

Key: 471