

ATLT-1000: ORIENTATION FOR LIFTING TECH

Cuyahoga Community College

Viewing: ATLT-1000 : Orientation for Lifting Tech

Board of Trustees:

2015-06-25

Academic Term:

Spring 2019

Subject Code

ATLT - AIT-Lifting Technologies

Course Number:

1000

Title:

Orientation for Lifting Tech

Catalog Description:

Introductory course covering the history and values of the Mazzella Company M/C, including career opportunities and advancement through continuing education and apprenticeship. Included are basic technical training and application as part of the rigging industry.

Credit Hour(s):

2

Lecture Hour(s):

2

Requisites

Prerequisite and Corequisite

Departmental approval: admission to Lifting Technologies apprenticeship program.

Outcomes

Course Outcome(s):

A. Examine the history and values of the Mazzella Company M/C, including the Mazzella Way and explain the importance and application of each.

Objective(s):

1. A. Discuss the history of the Mazzella Company from its early beginning with sling development to its current role in the rigging industry.

Course Outcome(s):

B. Explain the importance placed on continuing education and apprenticeship within the Mazzella Company and identify career opportunities available.

Objective(s):

1. B. Identify the values of M/C and explain the importance of each.
2. A. Discuss how self-improvement through education and apprenticeship benefits the employee and the company.
3. B. Define apprenticeship and discuss the pathway towards completion.
4. C. Identify career opportunities available through apprenticeship and continuing education.
5. D. Discuss the academic expectations of M/C and explain the procedures needed for success.
6. E. Describe the operations of M/C and identify the areas of advancement within the technical applications.

Course Outcome(s):

C. Explain the general employment policies and procedures including personnel protective equipment PPE, required and provided, technology usage and Code of Conduct.

Objective(s):

1. A. List the PPE provided by M/C and explain the relative importance.
 2. B. Identify the M/C policies and explain the application of each.
 3. C. Discuss the proper use and restrictions of personal and company IT equipment.
 4. D. Review the M/C Code of Conduct as it applies to all employees.
 5. C. Define the Mazzella Way and explain the importance of integrating it into daily applications.
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Course Outcome(s):

D. Demonstrate the ability to perform technical tasks required within the organization including basic hand and power tool usage and equipment operation.

Objective(s):

1. A. Identify the basic hand tools used for the fabrication of lifting devices.
 2. B. Identify the safety hazards common to wire rope and overhead lifting equipment.
 3. C. List the power tools and equipment used for lifting device fabrication and demonstrate safe operation of each.
 4. D. Operate specialized tools and equipment specific to lifting technologies.
 5. D. Identify the hierarchy of M/C and explain how all positions within the company rely on each other for success.
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Methods of Evaluation:

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

Course Content Outline:

1. Mazzella Way: History and Values
 - a. History
 - i. Past
 1. Founders
 2. Limitations
 3. Operations
 - ii. Growth
 1. Acquisitions
 2. Organic
 3. Product offerings
 4. New market
 - b. Values
 - i. Quality
 - ii. Confidence
 - iii. Comfort
 - iv. Safety
 - v. Expertise
 - vi. Life long learner
 - vii. Customer satisfaction
 - c. Mazzella Way
 - d. Hierarchy
 - i. Organization chart
 - ii. CEO
 - iii. Management
 1. Executive Committee
 2. Sales
 3. Production
 - iv. Divisions
 1. Shared services
 - a. IT
 - b. Quality
 - c. Safety

- d. Business systems
 - e. Human Resources
 - 2. Lifting technology
 - 3. Progressive Crane
 - 4. Mazzella Crane Service
 - 5. Shelleld Metals
 - 6. Indusco
 - 7. J Henry Holland
 - 8. Alabama Sling
 - v. Total integration
 - 1. Sales
 - 2. Interdependent reliance
- 2. Career opportunities
 - a. Benefits
 - i. Personal
 - ii. Opportunity
 - iii. Wages
 - iv. New job classification
 - 1. Company
 - 2. Improved processes
 - 3. Workforce stabilization
 - 4. Skilled workforce pool
 - 5. Expanded market share
 - b. Apprenticeship
 - i. Graduated wages
 - ii. Skill acquisition
 - iii. Company driven
 - c. Continuing education
 - i. Associate Degree
 - 1. Applied technology
 - 2. Technical credits
 - 3. General education
 - 4. Certificate
 - ii. Articulation
 - 1. Four year institutions
 - 2. Stackable certificates
 - iii. Certificate of completion
 - iv. Enrichment
 - d. Academic expectations
 - i. 1. Tri-C
 - 1. Minimum grade
 - 2. Completion
 - ii. M/C
 - 1. Participation
 - 2. Achievement
 - 3. Proficiency
 - e. Operations
 - i. Technical
 - 1. Synthetic
 - 2. Chain
 - 3. Wire rope
 - 4. Crane
 - ii. Management
 - 1. Quality control
 - 2. Engineering
 - 3. Operations
 - 4. Sales
 - 5. Training specialist
- 3. Policies and Procedures

- a. Safety
 - i. Personal Protective Equipment (PPE)
 - ii. Mazzella Way
- b. Policies
 - i. Equal employment
 - ii. General
 - iii. Hours of work
 - iv. Employee benefits
 - v. Employee relations
- c. IT equipment
 - i. Use
 - 1. Computer
 - 2. Phone
 - 3. Network
 - ii. Restrictions
 - 1. E-mail
 - 2. Internet usage
 - 3. Confidential information
 - 4. Social media
 - 5. Internet communication
- d. Code of Conduct
 - i. Customer service
 - ii. Dress Code
 - iii. IT
 - iv. Conflict of interest
 - v. Outside employment

Resources

Rae, Andy. *Choosing and Using Hand Tools*. Lark Books, 2002.

Kibbe, Richard, Roland Meyer, Warren White, John Neely, Hon Stenerson, and Kelly Curan. *Machine Tool Practices*. 10th edition. Boston, MA: Pearson, 2015.

Thomas A. Hoerner, Mervin Bettis, and Melvin D. Bettis. *Power Tool Safety and Operation: Woodworking, Metalworking, Metals and Welding*. St. Paul: Hobar Publications, 1998.

Klinke, Jerry. *Rigging Handbook*. 4th ed. Stevensville, MI: ACRA Enterprises, Inc., 2012.

Lencioni, Patrick. *The Advantage Why Organizational Health Trumps Everything Else In Business*. San Francisco, CA: Jossey-Bass, 2012.

Resources Other

1. Mazzella Employee Handbook, January 2015.
2. <https://www.mazzellacompanies.com>
3. <http://www.dol.gov/apprenticeship/find-opportunities.htm>
4. <https://www.mynextmove.org/find/apprenticeship> (<https://www.mynextmove.org/find/apprenticeship/>)

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