

AVTEC Building Maintenance and Construction



SECTION 1 – Intermediate Rigging

Topic 0- Intro

Lecture: 0.25 Sim/Exercise: 0.0hr(s)

LEARNING OBJECTIVES	TRAINING MATERIAL REQUIRED
<p>Upon successful completion of this topic the trainee will be able to:</p> <ol style="list-style-type: none">1. Be familiar with AVTEC policies2. Be familiar with the training facility layout, including: heads, scuttlebutts, maritime main office, student lounge, emergency egress and muster station, fire extinguishers, business office.3. Describe the contents of the unit and understand objectives	<p>A. Reference Materials:</p> <p>B. Instructor Training Aids:</p> <ol style="list-style-type: none">1. White boards and markers2. Power Point Presentation and Monitor <p>C. Student Training Aids:</p> <ol style="list-style-type: none">1. Handouts

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Upon successful completion of this topic the trainee will be able to:

1. Demonstrate the inspection and safe proper use of rigging slings and hardware

A. Reference Materials:

1. AVTEC Intermediate Rigging Power Points
2. Media Links

B. Instructor Training Aids:

1. White boards and markers
2. Power Point Presentation and Monitor
3. Slings
4. Hardware

C. Student Training Aids:

2. Handouts

LEARNING OBJECTIVES

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Upon successful completion of this topic the trainee will be able to:

1. Practice industry standard crane signaling

A. Reference Materials:

3. AVTEC Intermediate Rigging Power Points
4. Media Links

B. Instructor Training Aids:

5. White boards and markers
6. Power Point Presentation and Monitor

C. Student Training Aids:

3. Handouts

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Upon successful completion of this topic the trainee will be able to:

2. Calculate load weights

A. Reference Materials:

5. AVTEC Intermediate Rigging Power Points
6. Media Links

B. Instructor Training Aids:

7. White boards and markers
8. Power Point Presentation and Monitor
9. Calculator

C. Student Training Aids:

4. Handouts
5. Calculator

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Upon successful completion of this topic the trainee will be able to:

3. Calculate sling stress

A. Reference Materials:

7. AVTEC Intermediate Rigging Power Points
8. Media Links

B. Instructor Training Aids:

10. White boards and markers
11. Power Point Presentation and Monitor
12. Calculator

C. Student Training Aids:

6. Handouts
7. Calculator

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Upon successful completion of this topic the trainee will be able to:

4. Apply the common hitches used in the construction industry

A. Reference Materials:

9. AVTEC Intermediate Rigging Power Points
10. Media Links

B. Instructor Training Aids:

13. White boards and markers
14. Power Point Presentation and Monitor
15. Slings
16. Materials

C. Student Training Aids:

8. Handouts
9. Slings
10. Materials

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Upon successful completion of this topic the trainee will be able to:

5. Evaluate crane load charts

A. Reference Materials:

11. AVTEC Intermediate Rigging Power Points
12. Media Links

B. Instructor Training Aids:

17. White boards and markers
18. Power Point Presentation and Monitor
19. Calculator

C. Student Training Aids:

11. Handouts
12. Calculator

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Upon successful completion of this topic the trainee will be able to:

6. Demonstrate the inspection and safe proper use of rigging slings and hardware
7. Apply the common hitches used in the construction industry
8. Calculate load weights and sling stress
9. Evaluate crane load charts
10. Practice industry standard crane signaling

A. Reference Materials:

13. AVTEC Intermediate Rigging Power Points
14. Media Links

B. Instructor Training Aids:

20. White boards and markers
21. Power Point Presentation and Monitor
22. Calculator

C. Student Training Aids:

13. Handouts
14. Calculator