

Manufacturing Technologies
Welding Program

**Course Title: Oxyacetylene Welding,
Cutting and Brazing**

Course Number: WE: 184

**Text: *Oxyacetylene Welding, Cutting and Brazing*
Hobart Institute of Welding Technology**

Name: _____	Start Date: _____
Your Instructor: _____	
Date Module Completed: _____	Instructor's Sign-Off: _____

Module 4: Topics 17 – 21, Assignments for Oxyacetylene
Welding, Cutting and Brazing Course

Topic 17: Single Vee Groove Weld Butt Joint Flat Position

Topic 18: Single Vee Groove Weld Guided Bend Test

Topic 19: Single Vee Groove Weld Butt Joint Vertical Position, Up

Topic 20: Single Vee Groove Weld Butt Joint Overhead Position

Topic 21: Single Vee Groove Weld Butt Joint Horizontal Position

Meet with instructor:

See instructor for an overview of the entire course and expectations.

Directions:

- ✓ Complete the **Assignments** listed in this module.
- ✓ If you think you can complete the assignments now, **you may test out of this module.**
- ✓ Check with the instructor any time you need help.

Objectives:

After completing this module, you should be able to perform entry-level welding tasks such as those listed in the assignments that follow.

Module 4: Oxyacetylene Welding, Cutting & Brazing, Topics 17- 21

Assignments:

✓ Check off each activity as you complete it:

17. Topic 17: Single Vee Groove Weld Butt Joint Flat Position

- Read** Topic 17, Single Vee Groove Weld Butt Joint Flat Position, pages 51 - 54.
- View tape** number V 055.
- Perform** job practice: produce single vee groove welds on butt joints in the flat position.
- Have instructor** inspect your welds.
- Quiz #2**

18. Topic 18: Single Vee Groove Weld Guided Bend Test

- Read** Topic 18, Single Vee Groove Weld Guided Bend Test, pages 55 & 56.
- View** tape number V 056.
- Perform** job practice: produce single vee groove welds that will pass a guided bend test.
- Have instructor** inspect your weld.

19. Topic 19: Single Vee Groove Weld Butt Joint Vertical Position, Up

- Read** Topic 19, Single Vee Groove Weld Butt Joint Vertical Position, Up, pages 57 & 58.
- View** tape number V 057.
- Perform** job practice: produce single vee groove welds on butt joints in the vertical position with up hill travel.
- Have instructor** inspect your welds.

20. Topic 20: Single Vee Groove Weld Butt Joint Overhead Position

- Read** Topic 20: Single Vee Groove Weld Butt Joint Overhead Position, pages 59 - 61.
- View** tape number V 058 .
- Perform** the job practice: produce single vee groove welds on butt joints in the overhead position.
- Have instructor inspect** your welds.

Module 2: Oxyacetylene Welding, Cutting & Brazing Topics 9 – 13

21. Topic 21: Single Vee Groove Weld Butt Joint Horizontal Position

- Read** Topic 21, Single Vee Groove Weld Butt Joint Horizontal Position, pages 62 - 65.
- View** tape number V 059.
- Perform** the job practice: produce single vee groove welds on butt joints in the horizontal position.
- Have instructor inspect** your welds.

Assessment

Quizzes:

You must pass the written quiz with a score of at least 70% to successfully complete this module.

When You Complete Assignments:

After you complete assignments and tests for this module, have your instructor sign off in the box at the top of the first page of the module.

