



## Appendix A

### RELATED INSTRUCTION OUTLINE

**Welding Inspector (Existing Title: Non-Destructive Tester)**

**O\*NET-SOC CODE: 17-3029.01 RAPIDS CODE: 1010CB**

Provider	
<b>Name:</b> American Welding Society	
<b>Address:</b> 8669 NW 36 <sup>th</sup> Street#130; Miami, FL 33166-6672	
<b>Email:</b> <a href="mailto:customercare@aws.org">customercare@aws.org</a>	<b>Phone Number:</b> (800) 443-9353
<b>Suggested Related Instruction Hours: 439</b>	

#### Related Instruction Descriptions:

#### Approximate Hours:

Industrial/Construction Safety and Safe Work Practices (OSHA/MSHA, etc.)	40
Introduction to Thermal Cutting and Gouging	10
Welding for Inspection and Quality Personnel	44
Weld Joint Design and Preparation	20
Fabrication Math I	18
Fabrication Math II	15
Safety in Welding	10
Metallurgy I	10
Metallurgy II	10
Welding Symbols & Drawings	12
Welding Fundamentals I	14
Welding Fundamentals II	7
Welding Discontinuities and Defects	20
WPS/PQR Development and Fundamentals	12
Precision Measurement, Tools, and Machines	8
Introduction to Welding Codes and Standards	20
Welder Performance Qualification and Testing	20
Destructive Testing for Welding Applications	16
Welding Procedures and Specifications	16
Material Identification and Testing	8
Quality Control in Welding	16
Introduction to non-destructive examination and testing	8
Visual Testing (Standard Specific AWS/API/ASME etc.)	24
Inspection Reporting and Documentation	12
Applications of Penetrant Testing	8
Applications of Magnetic Particle Testing	8
Introduction to Radiographic Testing	8
Principles of Ultrasonic Testing	8



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Introduction to Engineering and Design Concepts	8
Technical Report Writing	8
Industry certification & endorsements (AWS)	1
<b>Total All Courses:</b>	<b>439</b>