



## Lesson Number and Title

### Welding Inspection & Quality Control

1. The Welding Inspector
2. The Metric System, Welding Terms and Symbols
3. Basic Welding Metallurgy
4. Materials Control, Weld Joint Inspection and Temperature Control
5. Welding, Joining and Cutting Processes - I
6. Welding, Joining and Cutting Processes - II
7. Qualification and Welding Procedures, Welders and Welding Operators
8. Codes Governing Welding Inspection
9. Weldment Imperfections and Discontinuities
10. Chemical, Metallurgical and Mechanical Testing of Welds
11. Visual and Liquid-Penetrant Inspection
12. Magnetic Particle and Radiographic Inspection
13. Ultrasonic Inspection
14. Eddy-Current Inspection, Acoustic Emission, Proof Tests and Leak Tests