



# BOS Master: AWS D1.1 Course Syllabus

The Decision-Maker's Guide to CWI Part B & Field Inspection

Course Detail	Description
Instructor	 Person Milton A. Jewell (AWS CWI #94031507)
Platform	 Place
Duration	Self-Paced (Approx. 20-25 Instructional Hours)
Investment	\$497

## Course Overview

BOS Master is not a "test prep" bank of random questions. It is a structured methodology designed to train welding professionals to navigate the **AWS D1.1:2020** code book under pressure. Students learn to deconstruct complex inspection scenarios and provide clause-cited, defensible decisions through the **Visual → Classification → Clause → Decision** 4-step framework. This platform is framed as an operator-driven compliance system to combat the high industry failure rates by replacing guessing with a strict code-cited process.

# Learning Modules

## Module 1: The Inspection Mindset

- **The Miltmon Framework:** Moving from "That looks bad" to "This is rejectable per Clause X".
- **Anatomy of the Book of Specifications (BOS):** Navigating tables, figures, and text without freezing.
- **Standard Stack Hierarchy:** Identifying the governing authority (Project Spec vs. Code).

## Module 2: Visual Evidence & Classification

- **Indication Deconstruction:** Differentiating between Fusion Failures (Cracks/LF) and Profile Issues (Undercut/Overlap).
- **Measurement Precision:** Using inspection toolkits to quantify evidence before checking the code.


## Module 3: Clause-Mapping & Navigation

- **Clause 6 (Inspection):** Master the acceptance criteria for production welds.
- **Clause 4 (Qualification):** Understanding PQR and WPS essential variables.
- **Rapid Retrieval Drills:** Speed-searching the AWS D1.1 for time-sensitive exams.


## Module 4: The Decision Log (Capstone)

- **Scenario Drills:** Hands-on application of the "Visual → Classification → Clause" loop.
- **The Field Notebook:** Building a reusable inspection script for real-world jobs.
- **Defensibility Training:** How to stand by a pass/fail call when production pressure hits.

# What's Included

- **Clause-Mapped Digital Workbook:** A step-by-step guide through Part B complexity.
- **2026 AWS D1.1 Navigation Guide:** Tactical "cheat sheets" for high-stress testing.
- **Interactive Decision Quests:** Real-world scenarios powered by  File .

# Enrollment & Implementation

- **Registration:**  Calendar event
- **Note:** Once exported as a PDF, ensure the **Secondary CTA** link points to the hosted location (e.g., [/assets/BOS\\_Master\\_Syllabus.pdf](/assets/BOS_Master_Syllabus.pdf)).

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## Technical Alignment Check:

Yes, this breakdown aligns perfectly with the strategy established on April 1, 2026. The shift from a "course marketplace" to a high-stakes **Industrial Compliance OS (ICOS)** is centered on this 4-step framework. The "Scenario" drills you've built are the engine of Module 4, designed to solve the 80% Part B failure rate by forcing defensible, clause-cited decision-making.