



CLASS APPLIED TRAINING ENGAGEMENT (4TH CLASS OPERATOR TASK-COMPETENCY RECORD) COURSE OUTLINE

The training standard guidelines in this publication are organized and referenced directly to the approved SOPEEC syllabus parts AA through BO, as applicable. These syllabus parts correspond to Learning Unit designations within specific volumes of the approved PETS 4th Class learning materials.

Content

Part A

- AA Unit 1: Applied Mathematics (Book A1)
- AB Unit 2: Elementary Mechanics & Dynamics (Book A1)
- AC Unit 3: Elementary Thermodynamics (Book A1)
- AD Unit 4: Mechanical Drawing, Administration (Book A1)
- AE Unit 5: Industrial Legislation (Book A1)
- AF Unit 6: Workplace Hazards (Book A1)
- AG Unit 7: Plant Safety (Book A1)
- AH Unit 8: Plant Fire Protection (Book A1)
- AI Unit 9: Environment (Book A2)
- AJ Unit 10: Material & Welding (Book A2)
- AK Unit 11: Piping & Valves (Book A2)
- AL Unit 12: High Pressure Boiler Design (Book A2)
- AM Unit 13: High Pressure Boiler Parts & Fittings (Book A2)
- AN Unit 14: High Pressure Boiler Operation (Book A2)
- AO Unit 15: Feedwater Treatment (Book A2)

Part B

- BA Unit 16: Prime Movers & Engines (Book B1)
- BB Unit 17: Pumps & Compressors (Book B1)
- BC Unit 18: Lubrication (Book B1)
- BD Unit 19: Electricity (Book B1)
- BE Unit 20: Controls, Instrumentation & Computers (Book B1)
- BF Unit 21: Heating Boilers (Book B1)
- BG Unit 22: Heating Systems (Book B1)
- BH Unit 23: Heating Boiler & Heating Systems Controls (Book B2)
- BI Unit 24: Auxiliary Building Systems (Book B2)
- BJ Unit 25: Vapour Compression Refrigeration (Book B2)
- BK Unit 26: Absorption Refrigeration (Book B2)
- BL Unit 27: Air Conditioning (Book B2)
- BM Unit 28: Air Conditioning Systems (Book B2)
- BN Unit 29: Boiler Maintenance (Book B2)
- BO Unit 30: Types of Plants (Book B2)