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Safety, Health, and Plant Science

101-01 - Personal Protective Equipment (v2)
101-01-Personal Protective Equipment
101-02 - Hearing and Noise Safety
101-02 - Hearing and Noise Safety (v2)
101-03 - Respiratory Protection Program
101-70 - Introduction to OSHA
101-71 - Introduction to Industrial Hygiene
102-01 - Slip, Trip, and Fall Prevention
102-02 - Ladder Safety
102-03 - Portable Power and Hand Tool Safety
102-04 - Machine Hazards and Safety
102-05 - Machine Guarding
102-06 - Accident Causes, Prevention, and Investigation
102-07 - Stationary Power Tool Safety
102-08 - Laboratory Health and Safety
102-09 - Operator Fatigue
102-10 - Hazard Identification and Assessment
103-01 - First Aid
103-02 - Bloodborne Pathogens
103-03 - First Aid Resuscitation - Choking, CPR, and AED
103-04 - Temperature Related Stress and Illnesses
104-01 - Fire Prevention and Protection
104-02 - Fire Extinguisher Safety
104-03 - Combustible Dusts
105-01 - Lockout Tagout Safety Program
106-01 - Confined Space Entry - Entrant and Attendant Duties
106-02 - Confined Spaces - Entry Supervisor Duties
106-80 - Confined Spaces: Entrant and Attendant Duties (CAD)
107-01 - Electrical Safety
107-02 - Energized Electrical Equipment Safety
107-03 - Arc Flash Hazard Basics
108-01 - Materials Handling and Storing Safety
109-01 - Rigging Safety
110-01 - Scaffolding Safety
111-01 - Scissor Lift Operations and Safety
112-01 - Crane and Hoist Safety
113-01 - Forklifts and Powered Industrial Trucks Safety
114-01 - Fall Protection
114-81 - Fall Protection (CAD)
115-01 - Excavation and Trenching Safety
116-01 - Compressed Gas Cylinders Safety
117-01 - Hazardous Materials Safety
117-02 - Acid and Caustic Awareness
117-03 - Asbestos and Silica Awareness
117-04 - Ammonia Awareness
117-05 - Hydrogen Sulfide Awareness
117-06 - Chlorine Awareness
117-07 - Radiation Awareness
117-08 - Hazardous Gases - Methane, Carbon Monoxide, and Carbon Dioxide
117-09 - Lead Awareness
117-20 - Gas Monitoring Basics
117-83 - Asbestos Awareness
117-85 Hydrogen Sulfide Awareness (CAD)
118-01 - HAZWOPER Regulation Overview
118-02 - Site Characterization and Analysis
118-03 - Toxicology
118-04 - Medical Surveillance
118-05 - Decontamination
118-06 - Emergency Procedures
119-01 - Written Hazardous Communication Program - Part 1
119-02 - Written Hazardous Communication Program - Part 2
119-03 - Hazardous Communications Employee Training Program, Part 1
119-04 - Hazardous Communications Employee Training Program, Part 2
119-05 - Material Safety Data Sheets
119-06 - Hazard Communication Programs in the Workplace
119-07 - Exposure to and Detection of Hazardous Chemicals
119-08 - Physical, Health, and Environmental Hazard Classes
119-09 - Labeling and SDS for Hazardous Chemicals
120-01 - Classification of Physical Hazards
120-02 - Classification of Health and Environmental Hazards
120-03 - Hazard Communication - Labeling
120-04 - Hazard Communication - Safety Data Sheet (SDS)
122-01 - Safe Driving Practices
122-02 - Drug and Alcohol Awareness
130-01 - Behavior Based Safety Program Basic Design
130-02 - Behavior Based Safety Program Concepts
130-03 - Hazardous Material Procedures
130-04 - Confined Space Procedures
130-05 - Hot Work Procedures
130-06 - Root Cause Analysis
130-07 - Safety and Health Programs
131-01 - Ergonomics in an Office Environment
131-02 - Ergonomics in an Industrial Environment
131-03 - Proper Lifting Techniques
140-01 - General Concepts and Job Briefings
140-04 - Enclosed Spaces
140-09 - Electrical Clearances
140-11 - Mechanical Equipment
140-18 - Dog Bite Prevention
150-01 - Environmental Awareness
150-02 - Stormwater Regulations and Pollution
150-03 - Spill Prevention Control and Countermeasures
160-01 - Health Hazards in Construction
160-02 - Scaffolding Safety for Construction
160-03 - Portable Power and Hand Tool Safety for Construction
160-04 - Materials Handling and Storing Safety for Construction
160-05 - Personal Protective Equipment for Construction, Part 1
160-06 - Personal Protective Equipment for Construction, Part 2
160-07 - Excavation and Trenching Safety for Construction
170-01 - Introduction to Industrial Math
170-02 - Industrial Math: Measurements and Calculations
170-03 - Industrial Math: Fractions, Percentages, and Ratios
171-01 - Atomic Structure and Chemical Bonding

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171-02 - Introduction to the Periodic Table of Elements
171-03 - Chemical Formulas, Reactions, and Solubility
171-04 - Introduction to Hydrocarbon Chemistry
171-05 - Chemical Equations
171-10 - Introduction to Physics - Force and Motion
171-11 - Introduction to Physics - Energy, Work, and Power

Mechanical Maintenance

201-01 - Working Principles of Simple Machines
201-02 - Hand Tools I
201-03 - Hand Tools II
201-04 Portable Power Tools
201-05 - Torque Wrenches
202-01 - Introduction to Belt Drive Maintenance
202-02 - V-Belts
202-03 - Positive Traction Belt Drives
202-04 - Sheave Maintenance
202-05 - Introduction to Conveyor Systems
202-06 - Conveyor System Design
202-07 - Conveyor Belt System Inspection
202-08 - Conveyor Belt Installation and Repair
203-01 Introduction to Bearings
203-02 - Rolling Contact Bearings
203-03 - Sliding Surface Bearings
203-04 - Bearing Installation and Removal
203-05 - Bearing Seals
203-06 - Troubleshooting Bearing Failures
205-01 - Introduction to Gear Drives
205-02 - Types of Gears
205-03 - Maintaining Gear Drives
205-04 - Clutches
207-01 - Lubrication Selection and Sampling in Rotating Machinery
207-02 - Lubrication Failures and Management in Rotating Machinery
207-03 - Lubrication Analysis in Rotating Machinery
208-01 - Pipe Connections and Symbols
208-03 - Piping Construction and Sizing
208-04 - Piping Expansion, Support, and Insulation
208-05 - Piping Auxiliaries
208-06 - Tubing Types and Applications
208-07 - Tube Fittings and Connection Methods
208-08 - Tube and Conduit Bending
209-01 Couplings
209-03 - Pre-Alignment Procedures
209-04 - Rough Alignment
209-05 - Mathematical Rim-and-Face Alignment
209-06 - Graphical Rim-and-Face Alignment
209-07 - Reverse Dial Alignment
209-09 - Laser Alignment
211-01 - Introduction to Chain Drives
211-02 - Chain Drive Maintenance and Troubleshooting
213-01 - Lubrication Basics
213-02 - Types of Lubricants
213-03 - Lubrication Sampling and Analysis
213-04 - Lubrication Filtration and Purification
213-05 - Lubrication Delivery Methods and Systems
215-01 Introduction to Valves and Their Components
215-02 - Valve Actuators
215-03 - Gate Valves
215-04 - Globe Valves
215-05 - Butterfly Valves
215-06 - Ball Valves
215-07 - Check Valves
215-08 - Needle Valves
215-09 - Plug Valves
215-10 - Diaphragm Valves
215-11 - Pinch Valves
215-12 - Safety and Relief Valves
215-13 Solenoid Valves
215-14 Valve Positioners
215-15 Pressure Regulator Valves
219-01 Introduction to Centrifugal Pumps
219-02 - Centrifugal Pump Design
219-03 - Centrifugal Pump Fundamentals
219-04 - Centrifugal Pump Operation
219-05 - Centrifugal Pump Operations and Maintenance, Part 2
219-08 - Impellers and Wear Rings
219-10 - Pump Troubleshooting
219-12 - Pump Internal Inspection and Troubleshooting
223-01 - Heat Exchanger Theory
223-02 - Open Heat Exchanger Design and Operation
223-03 - Closed Heat Exchangers
225-01 - Compressed Air Systems
225-02 - Compressed Air System Components
225-03 - Positive Displacement Compressors
225-04 - Dynamic Compressors
225-06 - Axial Compressor Control Schemes
229-01 Bolted Joints
229-02 O-Rings
229-03 Making Gaskets
229-04 Fasteners
229-05 Packing Material Use and Installation
229-06 - Mechanical Seals Use and Installation
231-01 - Introduction to Positive Displacement Pumps
231-02 - Reciprocating Positive Displacement Pumps
231-03 - Displacement Pumps
243-01 - Introduction to Hydraulics
243-02 - Hydraulic Systems
243-03 - Hydraulic Fluids
271-01 - Vibration Introduction
271-02 - Vibration Causes and Characteristics
271-03 - Basic Vibration Troubleshooting Techniques
271-04 - Plant Vibration Program
273-01 - Boiler Tube Repair
273-02 - Inspecting the Fireside of a Boiler, Part 1
273-03 - Inspecting the Fireside of a Boiler, Part 2
273-04 - Inspecting the Waterside of a Boiler

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273-05 - Inspecting a Boilers Exterior
273-06 - Waterside and Fireside Cleaning of a Boiler

Electrical Maintenance

401-01 - Electron Theory (v2)
401-01 Electron Theory
401-02 Magnetism and Electromagnetism Explained
401-03 Ohm's and Kirchhoff's Laws Relating to DC Circuits
401-04 - Evaluating Series and Parallel DC Circuit Performance
401-05 - Determine Circuit Outputs from Specified Inputs
402-01 Introduction to Alternating Current (AC)
402-02 Ohm's and Kirchhoff's Laws Involving AC Circuits
402-03 Inductance in AC Circuits
402-04 - Capacitance in AC Circuits (HTML 5)
402-04 Capacitance in AC Circuits
402-05 Impedance in AC Circuits
402-06 AC Power
402-07 Fundamentals of Three-Phase AC
405-01 Power Quality
405-02 Harmonics
405-03 High-voltage AC
409-01 AC Induction Motors
409-02 - AC Generators
409-03 AC Induction Motor Theory
409-04 Troubleshooting AC Induction Motors
409-05 AC Induction Motor Maintenance
409-06 Overhauling Induction Motors
409-07 - Generator System Heat Protection
409-08 Generator Overhaul
409-09 - DC Motors and Generators
409-10 - DC Motors and Generators Troubleshooting and Maintenance
411-01 Introduction to Motor Controls
411-02 Motor Protection and Faults
411-03 Motor Control Troubleshooting
411-04 Motor Control Centers
413-01 AC Drives Overview
415-01 Transformer Basics
415-02 Transformer Design and Components
415-03 Transformer Connections
415-04 Special Transformers
416-01 Battery Basics
416-02 Electrical Backup Systems
416-03 - Uninterruptible Power Supplies (UPS)
417-01 Switchgear
417-02 Low Voltage Breakers
417-03 Medium and High Voltage Switchgear
417-04 General Switchgear Maintenance
417-05 Breaker Specific Maintenance
417-06 Circuit Breaker Time-Travel Characteristics and Testing
418-01 Electrical Faults and Current Ratings
418-02 Overcurrent Protection, Fuses, and Breakers
418-03 Protection Relays
418-04 Generator, Transformer, and Motor Protection
418-05 Grounding and Bonding
419-01 MOV (Motor Operated Valve) Application Construction
419-02 - MOV (Motor Operated Valve) Disassembly and Inspection, Part 1
419-03 - MOV (Motor Operated Valve) Disassembly and Inspection, Part 2
419-04 Limit Switch Adjustment
421-01 Wire and Cable Management
421-02 Terminating and Connecting Wire in a Control Panel
421-03 Making Connections in a Junction Box
421-04 Installing Conduit and Pulling Wire
423-01 Introduction to Medium Voltage Cable
423-02 Medium Voltage Splices and Terminations
425-01 Troubleshooting AC Circuits
425-02 - Troubleshooting DC Circuits
427-01 Electrical Freeze Protection Components and Application

Power Generating Systems and Operations

501-01 - Energy Conversion
501-02 - Steam Turbine Basics
501-03 - Combustion System Component Overview
501-04 - Boiler Water and Steam Cycle Overview
501-05 - Generator Overview
505-01 - Steam Turbine Design
505-02 - Steam Turbine Control and Operation
505-03 - Steam Turbine Auxiliaries
505-10 - Steam Turbine Governor System
507-01 - Generator and Auxiliary Systems Functions
507-02 - Generator and Auxiliary Systems Flow Paths and Major Components
507-03 - Generator Construction and Process Control
507-04 - Generator and Auxiliary Systems Start-up
507-05 - Generator and Auxiliary Systems Normal Operations
507-06 - Generator and Auxiliary Systems Shutdown
511-01 - Gas Turbine Fundamentals and Configuration of Generating Facilities
511-02 - Introduction to GE LMc Series Gas
511-03 - Introduction to GE Frame Series Gas
511-04 - Introduction to Siemens V-Seriesc
511-05 - Heavy Duty Gas Turbines – Major Components and Support Systems
511-07 - Aero-derivative Gas Turbines – Major Components and Support Systems
511-10 - Fundamentals of Gas Turbine Operation and Routine Maintenance
511-11 - Gas turbine Control Schemes
511-12 - Gas Turbine Fuel and Combustion Systems
511-13 - Gas Turbine Lube Oil and Control Oil Systems
511-14 - Gas Turbine Air Systems
511-15 - Gas Turbine Water Wash and Drain Systems
521-01 - Introduction to Combustion Air and Flue Gas Systems
521-02 - Combustion Air and Flue Gas Flow Paths and Components
521-03 - Control Loops and Methods of Control
521-04 - Combustion Air and Flue Gas System Start-up
521-05 - Maintaining Fan Operations in Combustion Air and Flue Gas Systems
521-06 - Shut Down Process
522-01 - Coal Handling System
523-01 - Boiler Fuel System Function
523-02 - Process and Methods of Control for the Boiler Fuel System
523-03 - Boiler Fuel System Start-up

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523-04 - Normal Operation of the Boiler Fuel Systems
523-05 - Shutdown for the Boiler Fuel System
531-01 - Combustion Theory
531-02 - Basic Boiler Design
531-03 - Boiler Valves and Fittings
531-04 - Boiler Fuel and Air Systems
531-05 - Boiler Water and Steam Cycle
531-06 - Boiler Heat Recovery Systems
531-07 - Scrubbers and Ash Removal Systems
531-08 - Boiler Operator Roles and Responsibilities
533-01 - Fuel Combustion and Controls
533-02 - Boiler Burner Controls and Management
535-01 - Flue Gas Desulfurization System
535-02 - Flue Gas Desulfurization System, Open Spray Design, Part 1
535-03 - Flue Gas Desulfurization System, Open Spray Design, Part 2
535-04 - Dry Scrubber Operation
535-05 - Selective Catalytic Reduction (SCR) System
535-09 - Introduction to Continuous Emission Monitoring Systems
535-10 - Fundamentals of Using a CEMS
535-11 - Calibration of CEMS Components
551-01 - Introduction to the Circulating Water System
551-02 - Function of the Circulating Water System
551-03 - Circulating Water System Components
551-04 - Circulating Water System Start-up
551-05 - Circulating Water System Normal Operations
551-06 - Circulating Water System Shutdown
551-07 - Circulating Water System Controls
551-08 - Cooling Towers Operating Principles and Designs
551-09 - Cooling Towers Components
551-10 - Air Cooled Condensers
553-01 - Introduction to the Condensate System
553-02 - Introduction to the Feedwater System
553-03 - Condensate and Feedwater Systems Operation
553-04 - Condensate and Feedwater System Control
555-01 - Boiler Feed Pumps and Associated Auxiliary Equipment
555-02 - Boiler Feed Pump Flow Path and Major Components
555-03 - Boiler Feed Pump Water Supply and Control Systems
555-04 - Boiler Feed Pump Start-up
555-05 - Boiler Feed Pump Daily Operations
557-01 - Function of the Boiler Water and Steam Systems
557-02 - Flow Paths and Components of the Boiler Water and Steam Systems
557-03 - Process Controls for the Boiler Water and Steam Systems
557-04 - Start-up Procedures for the Boiler Water and Steam Systems
557-05 - Normal Operation of the Boiler Water and Steam Systems
557-06 - Shutdown of the Boiler Water and Steam Cycles
559-01 - Molecular Chemistry of Water
559-02 - Elements and the Periodic Table of Elements
559-03 - Chemical Compounds
559-04 - Corrosion Causes and Effects
559-05 - Corrosion Control in Steam Production
559-06 - Steam Chemistry Control and Guidelines
559-07 - Industrial Water Treatment Systems
559-08 - Introduction to Desalination
559-09 - Desalination: Pre- and Post-treatment of Water
559-10 - Reverse Osmosis
559-11 - Thermal Desalination Technologies
560-01 - Main Transformers
560-02 - Station Service System
560-03 - Fuses and Circuit Breakers
560-04 - Plant Protection Protective Relays and Instrument Transformers
560-05 - Equipment Disconnects and Grounding
561-01 - Preparing for Power Plant Start-ups
561-02 - Power Plant Start-up Procedures
561-03 - Preparing for Power Plant Shutdowns
561-04 - Power Plant Shutdown Procedures
563-01 - Basic Power Plant Efficiency
563-02 - Water and Steam Terms and Principles
563-03 - Heat Transfer Principles
563-04 - Laws and Principles of Thermodynamics
563-05 - Performance Parameters
563-06 - Balancing Efficiency; Availability; Capability and Flexibility
563-07 - Instrumentation and Controls
563-08 - Boiler Efficiency
563-09 - Boiler Reliability
563-10 - Turbine Efficiency
563-11 - Condenser Efficiency
563-12 - Condenser Operation and Reliability
563-13 - Feedwater Heater Operation and Efficiency
563-14 Pump Efficiency and Reliability
563-15 - Environmentally Sensitive Operations
565-01 - Distributed Control System Fundamentals
565-02 - Distributed Control System Components
565-03 - Using Distributed Control System Diagrams
565-04 - Power Plant Unit Control
567-01 - Basic Principles of Water and Steam
567-02 - Saturated Steam Tables
567-03 - Superheated Steam Tables
581-01 - Diesel Engines for Power Generation
581-02 - Diesel Engine Support Systems
581-03 - Diesel-Powered Generation
581-04 - Diesel Power Plant Operations
581-05 - Diesel Plant Control Systems and Protective Devices
581-06 - Diesel Plant Routine Maintenance
582-01 - Combined Cycle Power Plants
582-02 - Combined Cycle Power Plant Components
582-03 - HRSG - Flow Path and Major Equipment
582-04 - HRSG – Auxiliary Equipment and Systems
582-05 - HRSG - Basic Operating Concerns and Conditions
582-06 - Combined Cycle Steam and Feedwater Operating Principles
582-07 - Combined Cycle Condensate and Circulating Water Systems
582-08 - Combined Cycle Auxiliary Systems
582-10 - Steam Turbines in a Combined Cycle Plant
582-13 - Control Loops in a Combined Cycle Plant
583-01 - The Hydroelectric Role in the Power System
583-02 - Hydroelectric Power Stations
583-03 - Water Management

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583-04 - Hydroelectric Generators
583-05 - Generator Monitoring and Control
583-06 - Hydroelectric Plant Auxiliaries
583-07 - Operating Electrical Equipment in a Hydroelectric Plant
583-08 - Mechanical Governor
583-09 - Electric Governor
584-01 - Introduction to Biomass Power Plants
584-02 - Biomass and Waste to Energy Power Plants
585-01 - Basic Wind Turbine Design
585-02 - Wind Farm Design
585-03 - Horizontal Wind Turbine Design and Operation
585-04 - Wind Energy Production
586-01 - Introduction to Reciprocating Engine Power Plants
586-03 - Fundamentals of Reciprocating Engine Design
586-05 - Reciprocating Engine Auxiliary Systems
586-06 - Reciprocating Engine Electrical and Control Systems
586-07 - Reciprocating Engine Operations
586-09 - Generator Control in Reciprocating Engine Power Plants
586-11 - Reciprocating Engine General Inspection
587-01 - Nuclear Power Principles and Design
587-02 - PWR and BWR Operation and Design
589-01 - Introduction to Solar Energy
589-03 - Solar Energy - Photovoltaic
589-05 - Solar Energy - Thermal Applications

Instrumentation and Control

603-01 Instrumentation and Control Overview
603-02 - Principles of Temperature
603-03 - Principles of Pressure
603-04 - Principles of Level
603-05 Principles of Flow
603-06 - Temperature Instruments
603-07 Pressure Measuring Devices
603-08 Level Measuring Devices
603-09 Flow Measuring Devices
603-15 - Weight Measuring Devices
605-01 Multimeter
605-02 - Oscilloscopes
605-03 - Power Supplies
605-04 - Signal Generators
605-05 - Digital Thermometers and Calibrators
605-06 Manometers
605-07 Pressure and Vacuum Calibrators
605-08 - Megohmmeters
607-01 - Analytical Instruments
607-02 - Introduction to Analytical Testing
609-01 - Calibration Overview I
609-02 - Calibration Overview II
609-03 Introduction to Troubleshooting
609-04 Instrument Troubleshooting
611-01 PID Basics
611-02 - Reading a P&ID
611-03 Electrical Drawings
611-04 - Logic Diagrams
611-05 Industrial Print Reading Overview
613-01 Introduction to Automated Control
613-02 - Pneumatic and Electronic Control System
613-03 Introduction to Switches
613-04 Electronic Control Systems
615-01 - Signal Transmission
615-02 Basic Principles of Industrial Transmitters
615-03 Smart Transmitters
615-04 - Transducers
617-01 Controller Control Modes
617-02 - Operation of Automatic-Manual Transfer Stations
617-03 Final Control Elements
619-01 - Introduction to Industrial Electronics
619-07 Digital Electronics and Microprocessors
621-01 Introduction to Programmable Logic Controllers (PLC)
621-02 Input/Output (I/O) Processing
621-03 - Inputs and Outputs
621-04 PLC (Programmable Logic Controllers) Programming Instructions, Part 1
621-05 PLC (Programmable Logic Controllers) Programming Instructions, Part 2
621-06 PLC (Programmable Logic Controllers) Networks
621-07 PLC Network Protocols
670-01 Air Conditioning Fundamentals
670-02 - Ductless Air Conditioning
670-03 Introduction to Industrial and Commercial Refrigeration
670-05 Refrigerant System Troubleshooting
670-06 Chiller Design and Maintenance
670-09 - Ducting and Air Movement for HVAC Systems
670-15 - District Energy Basics
670-17 - Package Boiler Fundamentals
670-19 Package Boiler Design
670-21 Package Boiler Startup, Operation, Shutdown and Maintenance
670-23 Package Chiller Fundamentals
670-25 Package Chiller Design
670-27 Package Chiller Startup, Operation, Shutdown and Maintenance

Process Systems and Operations

701-01 - Introduction to Petroleum Refining
701-02 - Basic Petroleum Chemistry
701-03 - OSHAs Process Safety Management Standard
701-04 - History of Refining
705-01 - Refinery Overview and Configuration
705-03 Crude Unit
705-05 Catalytic Reformer
705-07 - Fluid Catalytic Cracker
705-09 Coker Operations
705-11 Gasoline Blending
705-13 Sweetening
705-15 - Sulfuric Acid Plant
707-01 - Features and Operation of Process Heaters
709-01 - Features and Uses of Process Tanks
711-01 - Introduction to Distillation
711-02 - Start-up; Normal Operation and Shutdown of a Distillation Column

713-01 - Introduction to Process Separators
715-01 - Introduction to Process Reactors
717-01 - Introduction to Naphtha Reforming
719-01 - Safety Alarm Systems and Instrumentation
719-02 - Overpressure Safety Systems
721-01 - Process Utilities Systems, Part 1
721-02 - Process Utilities Systems, Part 2
723-01 - Process Product Movement and Shipment
723-02 - Tanks and Vessels Used for Storage
725-01 - Sampling Principles and Methods
725-02 - Testing Principles and Procedures

Industrial Machining and Welding

801-01 - Introduction to Measuring and Care of Measuring Tools
801-02 - Measuring Rules and Tapes
801-03 - Micrometers
801-04 - Fixed Gauges
801-05 - Measuring with Calipers
801-06 - Dial Indicators
801-07 - Telescoping Gauges
803-01 - Layout and Bench Work
803-02 - Threading and Tapping
805-01 - Vertical Milling Machine
807-01 - Engine Lathe
809-01 - Surface Grinder
811-01 - Pedestal Grinder
813-01 - Bandsaw
815-01 - Drill Press
820-01 Scaffold Erection and Components
820-02 - Rigging I
820-03 - Rigging II
820-04 - Rigging III
820-05 - Ladders
820-06 - Overhead Cranes
820-07 - Aerial Lift Devices
841-01 - Safe Welding and Cutting Practices
841-02 - Weldability of Metals
841-03 - Shielded Metal Arc Welding (SMAW)
841-04 - Gas Metal Arc Welding (GMAW)
841-05 - Tungsten Inert Gas (TIG) Welding
841-06 - Oxyacetylene Welding (OAW)