

Certificate in Electrical Engineering Learning System

Unit Code: EE101	<u>DC Circuit Problems</u>
Teaching Video	<p>E003+E004 Videos</p> <p>The links contain the following lessons</p> <p>E003+E004 Lesson 1 DC series circuit</p> <p>E003+E004 Lesson 2 DC parallel circuit</p> <p>E003+E004 Lesson 3 DC Parallel circuit problems</p> <p>E003+E004 Lesson 4 DC series parallel circuit 1</p> <p>E003+E004 Lesson 5 DC series parallel circuit 2</p> <p>E003+E004 Lesson 6 Lamp and resistor circuit</p> <p>E003+E004 Lesson 7 Wheatstone bridge</p>
Writing on whiteboard+Audio	E003+E004 Writing+Audio
Exercise	EXERCISES Page 77 to 81
Theory Practice Test	<p><u>E003+E004</u></p> <p>E003+E004 MCQ Practice 1</p> <p>E003+E004 MCQ Practice 2</p> <p>E003+E004 MCQ Practice 3</p>
Practical Practice	<p>Study the practical equipments , the names of equipments and their applications. Follow the instruction.</p> <p>Theory & Practical Instruction</p> <p><u>Equipments</u></p> <p>Open the file in the following link.</p> <p>Practical Guide</p>

	<p>On page 2 , you will see the names of equipments. Then refer the following link to match with the equipments in the following link.</p> <p>Practical Equipments</p> <p>Practical equipments for online lab</p> <p><u>Diagrams</u></p> <p>Example Diagram</p> <p>Circuit Example</p> <p>Diagram</p> <p>Worksheet</p> <p><u>Assessment</u></p> <p>The teacher can give the photo of the equipment and ask the student to interpret</p> <p><u>Interpreting the equipment practice</u></p> <p>Equipments Interpretation Practice 1</p> <p>Equipments Interpretation Practice 2</p>
Reference Resources + Textbooks	DC Circuit E003 E004.zip
Australian Curriculum Units	
UEENEEE104A	Solve problems in d.c. circuits

Unit Code: EE102	Basic Electrical Fitting & Wiring
Teaching Video	<p>Electrical workshop Lesson 1 OHS.zip</p> <p>Electrical workshop Lesson 2 Workplace hazard+Fix & secure equipment.zip</p> <p>Electrical workshop Lesson 3 Mechanical fixing.zip</p> <p>Electrical workshop Lesson 4 Basic electrical wiring.zip</p> <p>Electrical workshop Lesson 5 Wiring circuits.zip</p> <p>Electrical workshop Lesson 6 Electrical safety testing.zip</p> <p>Electrical workshop Lesson 7 Testing insulation and polarity.zip</p> <p>Electrical workshop Lesson 8 Testing lighting polarity.zip</p>

Writing on whiteboard+Audio	Electrical Fitting
Exercise	EXERCISES Page 72 to 77
Theory Practice Test	Not Applicable
Practical Practice	Stage 1 Electrical workshop practicals.pdf Wiring Equipments to purchase
Reference Resources + Textbooks	E002 E005.zip Wiring Notes 1. Wiring Notes 2 Switchboard Wiring 1Wiring E033 E008 2Wiring E033 E008 Electrical safe working.zip NREL Disconnect Reconnect.zip ELV Cable termination
Australian Curriculum Units	
UEENEEE102A	Fabricate, dismantle, assemble of utilities industry components
UEENEEE105A	Fix and secure electrotechnology equipment
UEENEEE137A	Document and apply measures to control OHS risks associated with electrotechnology work
UEENEEG106A	Terminate cables, cords and accessories for low voltage circuits

Unit Code: EE103	Basic Electrical Drafting
Teaching Notes	ElectricalDrawing1.zip ElectricalDrawing2.zip ElectricalDrawing3.pdf GeneralDrawing1.zip GeneralDrawing2.zip
Exercise	EXERCISES Page 75
Australian Curriculum Units	
UEENEEE107A	Use drawings, diagrams, schedules, standards, codes and specifications

Unit Code: EE104	Electrical Equipments Safety Protection
Teaching Video	G003+G004+G007 Lesson 1 Electrical installation protection.zip G003+G004+G007 Lesson 2 Electrical system safety.zip G003+G004+G007 Lesson 3 Heating+Cable ckt protection exercise.zip G003+G004+G007 Lesson 4 Wiring system.zip G003+G004+G007 Lesson 5 Hazardous area electrical system.zip G003+G004+G007 Lesson 6 Overload protection RCD.zip G003+G004+G007 Lesson 7 RCD + Metering.zip G003+G004+G007 Lesson 8 Switch board installation.zip G003+G004+G007 Lesson 9 Cable selection+Maximum demand.zip G003+G004+G007 Lesson 10 Electrical installation safety testing.zip
Exercise	EXERCISES Page 100 to 103
Practical Practice	WorkShop Part 2 Practical 1 to 6 .zip WorkShop Part 2 Practical 7 to 12 .zip WorkShop Part 2 Practical 13 to 17 .zip WorkShop Part 2 Practical 18 to 21 .zip
Reference Resources + Textbooks	Construction ElectricalSafety.zip InserviceTesting.zip Wiring_Notes_1. Wiring_Notes_2 Switchboard Wiring 1Wiring_E033_E008 2Wiring_E033_E008
Australian Curriculum Units	
UEENEEG063A	Arrange circuits, control and protection for general electrical installations

Unit Code: EE105	Electrical Installation Design
Teaching Video	<u>G007</u> G007 Lesson 1 AS3000 Wiring rule overview.zip G007 Lesson 2 Maximum Demand calculation.zip G007 Lesson 3 Cable selection.zip G007 Lesson 4 Cable voltage drop calculation.zip G007 Lesson 5 Derating of cable part 1.zip G007 Lesson 6 Derating of cable part 2.zip G007 Lesson 7 Derating of cable for HRC fuse protection.zip G007 Lesson 8 Final subcircuit fault loop impedance.zip
Writing on whiteboard+Audio	Electrical Installation Design Class Notes
Exercise	EXERCISES Page 104 to 108
Practical Practice	ELECTRICAL WORKSHOP PART 2 G003 G004 G009 .zip Electrical Workshop Part 2 Practical 1 to 18.zip Electrical Workshop Part 2 Practical 19 to 21.zip G003_G004_G009Practicals.pdf
Reference Resources + Textbooks	AS3000-2007Overview.zip AS3000_AS3008TablesExtract.zip WiringRules.zip Installation_Requirement_1-A.zip Installation_Requirement_1-B.zip Installation_Requirement_2-A.zip Installation_Requirement_2-B.zip Stage_2_Wiring.zip
Australian Curriculum Units	
UEENEEG107A	Select wiring systems and cables for low voltage

Unit Code: EE106	Advanced Electrical Wiring
Teaching Video	G003+G004+G007 Lesson 1 Electrical installation protection.zip G003+G004+G007 Lesson 2 Electrical system safety.zip G003+G004+G007 Lesson 3 Heating+Cable ckt protection exercise.zip G003+G004+G007 Lesson 4 Wiring system.zip G003+G004+G007 Lesson 5 Hazardous area electrical system.zip G003+G004+G007 Lesson 6 Overload protection RCD.zip G003+G004+G007 Lesson 7 RCD + Metering.zip G003+G004+G007 Lesson 8 Switch board installation.zip G003+G004+G007 Lesson 9 Cable selection+Maximum demand.zip G003+G004+G007 Lesson 10 Electrical installation safety testing.zip
Writing on whiteboard+Audio	G103+104 Notes+Lessons Advanced Wiring
Exercise	EXERCISES Page 92 to 100
Practical Practice	Advanced Wiring Part 1+2—G103 Electrical Installation Safety Testing WorkShop Part 2 Practical 1 to 6 .zip WorkShop Part 2 Practical 7 to 12 .zip WorkShop Part 2 Practical 13 to 17 .zip WorkShop Part 2 Practical 18 to 21 .zip ElectricalWorkshopPart3_G008_Group1Machine .zip ElectricalWorkshopPart3_G008_Group2LineProtection .zip ElectricalWorkshopPart3_G008_Group3InstrumentsDevices .

	<p>zip</p> <p><u>OTHER PRACTICALS</u></p> <p>ELECTRICAL WORKSHOP PART 2 G003 G004 G009 .zip</p> <p>Electrical Workshop Part 2 Practical 1 to 18.zip</p> <p>Electrical Workshop Part 2 Practical 19 to 21.zip</p>
<p>Reference Resources + Textbooks</p>	<p>Wiring Notes 1.</p> <p>Wiring Notes 2</p> <p>Switchboard Wiring</p> <p>1Wiring E033 E008</p> <p>2Wiring E033 E008</p> <p>Fixing Equipments</p> <p>E002 E005.zip Lighting.zip</p> <p>E trade 1.zip</p> <p>E trade 2.zip</p> <p>E trade 3.zip</p> <p>E trade 4.zip</p> <p>G008 General Notes 1.zip</p> <p>G008 General Notes 2.zip</p> <p>Hazard Identification.zip</p> <p>G003 G004 Wiring 2 Part 1.zip</p> <p>G003 G004 Wiring 2 Part 2.zip</p> <p>Cable CktProt E Accessories.zip</p> <p>Cable Conduit E Accessories.zip</p>

	Elect_Installation_Protection_Method_Devices.zip Elect_Installation_Requirement_1.zip Elect_Installation_Requirement_1.zip Elect_Installation_Requirement_2.zip ElectricInstallationDesign.zip ElectSystSafety1.zip ElectSystSafety2.zip FireProtHeatingTestingEarthing.zip GeneralWiring.zip HazardLightingPanel.zip PanelRCDWireSpecial_Installation.zip ProtectionMethods.zip Power_Distribution_Trade.zip Metering.zip
Australian Curriculum Units	
UEENEEG103A	Install low voltage wiring and accessories
UEENEEG104A	Install appliances, switchgear and associated accessories for low voltage electrical installations

Unit Code: EE107	Electrical Equipments
Teaching Video	G003+G004+G007 Lesson 1 Electrical installation protection.zip G003+G004+G007 Lesson 2 Electrical system safety.zip G003+G004+G007 Lesson 3 Heating+Cable ckt protection exercise.zip G003+G004+G007 Lesson 4 Wiring system.zip G003+G004+G007 Lesson 5 Hazardous area electrical system.zip G003+G004+G007 Lesson 6 Overload protection RCD.zip

	<p>G003+G004+G007 Lesson 7 RCD + Metering.zip</p> <p>G003+G004+G007 Lesson 8 Switch board installation.zip</p> <p>G003+G004+G007 Lesson 9 Cable selection+Maximum demand.zip</p> <p>G003+G004+G007 Lesson 10 Electrical installation safety testing.zip</p>
Exercise	G003G004Tutorial.zip
Practical Practice	Electrical Equipments Practical
Reference Resources + Textbooks	<p>Wiring_Notes_1.</p> <p>Wiring_Notes_2_Switchboard_Wiring</p> <p>1Wiring_E033_E008 2Wiring_E033_E008</p> <p>Fixing Equipments</p> <p>E002_E005.zip Lighting.zip</p> <p>E_trade_1.zip</p> <p>E_trade_2.zip</p> <p>E_trade_3.zip</p> <p>E_trade_4.zip</p> <p>G008_General_Notes_1.zip</p> <p>G008_General_Notes_2.zip</p> <p>Hazard_Identification.zip</p> <p>G003_G004_Wiring_2_Part_1.zip</p> <p>G003_G004_Wiring_2_Part_2.zip</p> <p>Cable_CktProt_E_Accessories.zip</p> <p>Cable_Conduit_E_Accessories.zip</p>

	Elect Installation Protection Method Devices.zip Elect Installation Requirement 1.zip Elect Installation Requirement 1.zip Elect Installation Requirement 2.zip ElectricInstallationDesign.zip ElectSystSafety1.zip ElectSystSafety2.zip FireProtHeatingTestingEarthing.zip GeneralWiring.zip HazardLightingPanel.zip PanelRCDWireSpecial_Installation.zip ProtectionMethods.zip
Australian Curriculum Units	
UEENEEG033A	Solve problems in single and three phase low voltage electrical apparatus and circuits

Unit Code: EE108	Electrical Fault Finding
Teaching Video	G008+G009 Lesson 1 AC Machine+AC motor control.zip G008+G009 Lesson 2 Synchronous machine+DC machine+Transformer.zip
Writing on whiteboard+Audio	G008 General Notes 1.zip G008 General Notes 2.zip
Exercise	To be advised
Practical Practice	<u>Workshop 2+3</u> WorkShop Part 2 Practical 1 to 6 .zip WorkShop Part 2 Practical 7 to 12 .zip WorkShop Part 2 Practical 13 to 17 .zip WorkShop Part 2 Practical 18 to 21 .zip

	<p>ElectricalWorkshopPart3 G008 Group1Machine .zip ElectricalWorkshopPart3 G008 Group2LineProtection .zip ElectricalWorkshopPart3 G008 Group3InstrumentsDevices .zip</p> <p><u>OTHER PRACTICALS</u></p> <p>ELECTRICAL WORKSHOP PART 2 G003 G004 G009 .zip Electrical Workshop Part 2 Practical 1 to 18.zip Electrical Workshop Part 2 Practical 19 to 21.zip G003 G004 G009Practicals.pdf</p>
<p>Reference Resources + Textbooks</p>	<p>MachineControlCkt1.zip MachineControlCkt2.zip MachineControlCkt3.zip MachineRepair1.zip MachineRepair2.zip MachineRepair3.zip ProcessControlCkt1.zip ProcessControlCkt2.zip ProcessControlCkt3.zip ESI 8 Insulation 1 ESI 8 Insulation 2 ESI 9.1 Protection Relay Construction ESI 9.2Test Equipment ESI 33.1 Power Quality Concept ESI 33.2 Harmonic in capacitor</p>

	<p><u>ESI 3.3 Harmoniceffect on machines</u></p> <p><u>ESI 3.1 HV Measurement Cable Test.zip</u></p> <p><u>ESI 3.2 Magnetic measurement.zip</u></p> <p><u>ESI 3.3 Power measurement.zip</u></p> <p><u>ESI 3.4 RLC measurement 1.zip</u></p> <p><u>ESI 3.4 RLC measurement 2.zip</u></p> <p><u>ESI 3.4 RLC measurement 3.zip</u></p> <p><u>ESI 3.5 Digital equipments.zip</u></p> <p><u>ESI 3.6 V.A.W meter.zip</u></p> <p><u>ESI 3.7T and M.zip</u> <u>ESI 3.8 Thermography.zip</u></p> <p><u>ESI 4 11 Power Transformer.zip</u></p> <p><u>ESI 5 Machinery Installation.zip</u></p> <p><u>ESI 7 Drawing Switching Diagram.zip</u></p> <p><u>ESI 7 Electrical Installation Design.zip</u></p> <p><u>ESI10.1 HV equipments.zip</u></p> <p><u>ESI10.2 Substation equipments.zip</u></p> <p><u>ESI12 14 Harmonic.zip</u></p> <p><u>ESI12 14 Reactor.zip</u></p> <p><u>ESI12 14 Syn Motor Generator.zip</u></p> <p><u>ESI 13 Voltage regulation devices.zip</u></p>
Australian Curriculum Units	
UEENEEG108A	Trouble-shoot and repair faults in low voltage electrical apparatus and circuits

Unit Code: EE109	Electrical Control Circuits
Teaching Video	G008+G009 Lesson 1 AC Machine+AC motor control.zip G008+G009 Lesson 2 Synchronous machine+DC machine+Transformer.zip
Writing on whiteboard+Audio	G009.zip
Exercise	To be advised
Practical Practice	<u>Workshop 2+3</u> WorkShop Part 2 Practical 1 to 6 .zip WorkShop Part 2 Practical 7 to 12 .zip WorkShop Part 2 Practical 13 to 17 .zip WorkShop Part 2 Practical 18 to 21 .zip ElectricalWorkshopPart3 G008 Group1Machine .zip ElectricalWorkshopPart3 G008 Group2LineProtection .zip ElectricalWorkshopPart3 G008 Group3InstrumentsDevices .zip <u>OTHER PRACTICALS</u> ELECTRICAL WORKSHOP PART 2 G003 G004 G009 .zip Electrical Workshop Part 2 Practical 1 to 18.zip Electrical Workshop Part 2 Practical 19 to 21.zip G003 G004 G009Practicals.pdf
Reference Resources + Textbooks	ESI12 14 Syn Motor Generator.zip ESI 19.1 Computer Control.zip ESI 19.4 Turbine Control.zip ESI 22.2 Voltage surge control.zip
Australian Curriculum Units	
UEENEEG109A	Develop and connect electrical control circuits

Unit Code: EE110	Computer Applications
Reference Resources + Textbooks	http://kyawnaing325.zoomshare.com/files/IndustrialComputerSystems.htm
Exercise	<p>Download the software SMART DRAW 2010 from www.google.com</p> <p>and perform the following exercises and submit</p> <p>AutoCAD 2D 3D Lessons</p> <p>Symbol A</p> <p>Symbol B</p> <p>Symbol C</p> <p>Symbol D</p> <p>Symbol E</p> <p>Symbol F</p> <p>Symbol G</p> <p>E071 MEM09004 Tutorial</p> <p>MEM09004-Electronics Drawing</p> <p>Electronics Drawing.zip</p>
Australian Curriculum Units	
UEENEED104A	Use software for engineering applications

Unit Code: EE111	Electromagnetism & Basic Electrical Machines
Teaching Video	Electro-magnetism
Writing on whiteboard+Audio	<p>G001 Part 1 G001 Part 2</p> <p>G001+G006</p>
Exercise	EXERCISES Page 82 to 83
Theory Practice Test	<p>G001 MCQ Practice 1</p> <p>G001 MCQ Practice 2</p> <p>G001 MCQ Practice 3</p>
Practical Practice	<p>Circuit Connection Assessment Number 5-2 Motor polarity</p> <p>http://www.filefactory.com/file/6fzs7n702jrh/n/5_2_doc</p>

	<p>http://www.filefactory.com/file/3zxqfi55nwlp/n/5-2_pdf</p> <p>http://www.filefactory.com/file/5mw1ek0239dp/n/Practical-E029-Testing_motor_polarity_pdf</p> <p>http://www.filefactory.com/file/653f605ed0qn/n/5_2_doc</p> <p><u>Circuit Connection Assessment Number 5-5 Coil inductance</u></p> <p><u>Ind reactance of series coil</u></p> <p><u>Coil inductance.</u></p> <p>http://www.filefactory.com/file/32ml03wzbdn/n/5_5_doc</p> <p>http://www.filefactory.com/file/5wvr8o2n37mr/n/5-5_pdf</p> <p>http://www.filefactory.com/file/5kjsvrk8w2bd/n/Coil_inductance_pdf</p> <p><u>Circuit Connection Assessment Number 5-6 Mutual inductance</u></p> <p><u>Mutual Inductance</u></p> <p>http://www.filefactory.com/file/3rrvd8t9gf9/n/Mutual_Inductance_pdf</p> <p>http://www.filefactory.com/file/3w1ytqtu94gx/n/5_6_doc</p> <p>http://www.filefactory.com/file/covx5sucacj/n/5-6_pdf</p>
Australian Curriculum Units	
UEENE101A	Solve problems in electromagnetic devices and related circuits

Unit Code: EE112	Alternating Current Principle
Teaching Video	<p>G002 Lesson 1 Sine wave and it's values.zip</p> <p>G002_Lesson_2_AC_RL+RC_Series_circuits.zip</p> <p>G002 Lesson 3 AC Series RLC circuits.zip</p> <p>G002 Lesson 4 AC Parallel circuits.zip</p> <p>G002 Lesson 5 Three phase circuit basics.zip</p> <p>G002 Lesson 6 Balanced three phase circuit.zip</p>
Writing on whiteboard+Audio	<p><u>G002+G006</u></p> <p><u>G002</u></p>

Exercise	EXERCISES Page 84 to 91
Theory Practice Test	G002 MCQ Practice 1 G002 MCQ Practice 2 G002 MCQ Practice 3
Practical Practice	<p>Circuit Connection Assessment Number 9-1 PF Measurement</p> <p>http://www.filefactory.com/file/16f6d5l2eb11/n/9_1_doc</p> <p>http://www.filefactory.com/file/37p4ppvd57z1/n/11_Power_factor_measurement_pdf</p> <p>http://www.filefactory.com/file/3n0x5uvncvxh/n/9-1_pdf</p> <p>Circuit Connection Assessment Number 9-4 Series RLC Circuit</p> <p>http://www.filefactory.com/file/3fm60y2rvbz/n/9_4_doc</p> <p>http://www.filefactory.com/file/4iu77mytdyud/n/9-4_xls</p> <p>http://www.filefactory.com/file/6hfnfilf019/n/9-4_pdf</p> <p>http://www.filefactory.com/file/7gouwwtxc5/n/Practical-E029-Series_RLC_Circuit_pdf</p> <p>Circuit Connection Assessment Number 9-7 Star Delta Load</p> <p>http://www.filefactory.com/file/1ez1roas6zgt/n/Practical-G002_G049-Star_amp_Delta_load_pdf</p> <p>http://www.filefactory.com/file/5t57z4mwqoj3/n/9-7_pdf</p> <p>http://www.filefactory.com/file/soyr2zd7uin/n/9_7_doc</p>
Australian Curriculum Units	
UEENEEG102A	Solve problems in low voltage a.c. circuits

Unit Code: EE113	Electrical Fundamental
Teaching Video	E029
Writing on whiteboard+Audio	Elect Fundamental E029+G012+G001+G002+G060.zip Building Design+Material Science-K041+E047.zip E047Mech
Exercise	E029Tutorial EXERCISES Page 30 to 38
Theory Practice Test	E029+G012 MCQ Practice 1

	<p>E029+G012 MCQ Practice 2</p> <p>E029+G012 MCQ Practice 3</p> <p>E029+G012 MCQ Practice 4</p>
Practical Practice	<p>Circuit Connection Assessment Number 3-5 Comparing AC and DC system</p> <p>http://www.filefactory.com/file/1ufyhhtxvnd/n/Practical_Semester_1_A.pdf</p> <p>http://www.filefactory.com/file/2w77umiyif33/n/3_5.xls</p> <p>http://www.filefactory.com/file/3wkarewtrwnh/n/3_5.doc</p> <p>http://www.filefactory.com/file/dn69z51p0m7/n/3-5.pdf</p> <p>Circuit Connection Assessment Number 3-6 Three Phase Rectification</p> <p>http://www.filefactory.com/file/1ufyhhtxvnd/n/Practical_Semester_1_A.pdf</p> <p>http://www.filefactory.com/file/4h4d1hrfhogv/n/3_6.doc</p> <p>http://www.filefactory.com/file/9bevf2n3hu1/n/3-6.pdf</p> <p>Circuit Connection Assessment Number 5-1 Motor winding impedance</p> <p>http://www.filefactory.com/file/7kppl7048nxn/n/Practical-E029-Motor_winding_impedance.pdf</p> <p>http://www.filefactory.com/file/3ve1y5o399x/n/5-1.pdf</p> <p>http://www.filefactory.com/file/6x8fkvqtmx4t/n/5_1.doc</p>
Reference Resources + Textbooks	<p>8PowerElectronicsDevices</p> <p>ESI 8 Insulation 1.zip</p> <p>ESI 8 Insulation 2.zip</p> <p>ESI 28.1 Power Accessories 1.zip</p> <p>ESI 28.2 Power Accessories 2.zip</p>

	ESI 28.3 Power Accessories 3.zip ESI 28.4 Power Accessories 4.zip ESI 28.5 Power Accessories 5.zip ESI 28.6 Power Accessories 6.zip
Australian Curriculum Units	
UEENEEE081A	Apply material science to solving electrotechnology engineering problems

Unit Code: EE114	Electrical Power Principle
Teaching Video	G012 Lesson 1 Electrical components energy and power.zip G012 Lesson 2 Industrial electrical applications.zip G012 Lesson 3 Transformer voltage regulation inductance capacitance.zip G012 Lesson 4 Multiphase system ac dc motor.zip G012 Lesson 5 Squirrel cage induction motor starting.zip G012 Lesson 6 Wound rotor motor construction starter.zip
Writing on whiteboard+Audio	Elect Fundamental E029+G012+G001+G002+G060.zip AH Day 1.zip AH Day 2 3.zip AH Day 4.zip AH Day 5.zip AH Day 6 7 8.zip
Exercise	EXERCISES Page 109 to 114
Theory Practice Test	G012 MCQ Practice 3 G012 MCQ Practice 4

Practical Practice	<p><u>Circuit Connection Assessment Number 9-1 PF Measurement</u></p> <p>http://www.filefactory.com/file/16f6d5l2eb11/n/9_1_doc</p> <p>http://www.filefactory.com/file/37p4ppv57z1/n/11_Power_factor_measurement_pdf</p> <p>http://www.filefactory.com/file/3n0x5uvncvxh/n/9-1_pdf</p>
Reference Resources + Textbooks	<p>Elect Installation Protection Method Devices.zip</p> <p>ElectSystSafety1.zip</p> <p>ElectSystSafety2.zip</p> <p>ESI 27.4Circuit Breaker 1.zip</p> <p>ESI 27.5 Circuit Breaker 2.zip</p> <p>ESI 7 Switching system design consideration.zip</p> <p>ESI 8.2 Site Insulation Surge Protection.zip</p>
Australian Curriculum Units	
UEENEEG130A	Design switchboards rated for high fault levels (greater than 400 A)
UEENEEA110A	Assemble, mount and connect control gear and switchgear

Unit Code: EE115	Basic Analogue & Digital Electronics
Teaching Video	<p><u>DC Power supplies</u></p> <p>H011 Lesson 1 DC Power supply principle.zip</p> <p>H011 Lesson 2 Load regulation.zip</p> <p>H011 Lesson 3 Current limiter.zip</p> <p><u>Amplifier</u></p> <p>H013 Lesson 1 Amplifier model.zip</p> <p>H013 Lesson 2 Amplifier biasing.zip</p>

	<p>H013 Lesson 3 Amplifier configuration.zip</p> <p>H013 Lesson 4 Amplifier parameters.zip</p> <p>H013 Lesson 5 JFET.zip</p> <p><u>Digital Electronics</u></p> <p>I006 Lesson 5+H012 Lesson 3 Number system.zip</p> <p>I006 Lesson 6+H012 Lesson 4 Binary subtraction.zip</p> <p>I006 Lesson 7+H012 Lesson 5 Endecoder+Decoder.zip</p> <p>I006 Lesson 8+H012 Lesson 6 SR Flipflop.zip</p> <p>I006 Lesson 9+H012 Lesson 7 Shift register+Data latches.zip</p> <p>I006 Lesson 10+H012 Lesson 8 Counter.zip</p> <p>I006 Lesson 11+H012 Lesson 9 Display.zip</p>
Writing on whiteboard+Audio	<u>Amplifier+Power Supply+Digital H011+H012+H013.zip</u>
Exercise	<u>EXERCISES</u> Page 207 to 212
Theory Practice Test	<p><u>H011</u></p> <p><u>H011 MCQ Practice 1</u></p> <p><u>H011 MCQ Practice 2</u></p> <p><u>H013</u></p> <p><u>H013 MCQ Practice 1</u></p> <p><u>H013 MCQ Practice 2</u></p>
Practical Practice	<p><u>Circuit Connection Assessment Number 3-2 Amplifier Gain</u></p> <p><u>http://www.filefactory.com/file/1ufyhdtxvnd/n/Practical_Semester_1_A_pdf</u></p> <p><u>http://www.filefactory.com/file/2xikhzj6xuzx/n/3-2_pdf</u></p> <p><u>http://www.filefactory.com/file/33ntwrs3o7e3/n/3_2_xls</u></p> <p><u>http://www.filefactory.com/file/57di74j6zk7p/n/3_2_doc</u></p> <p><u>Circuit Connection Assessment Number 3-7 Three Terminal Regulator</u></p>

	<p>http://www.filefactory.com/file/1ufyhhtxvnd/n/Practical_Semester_1_A_pdf</p> <p>http://www.filefactory.com/file/65maa6x3hkzj/n/3_7_doc</p> <p>http://www.filefactory.com/file/75znot255nq7/n/3_7_xls</p> <p>http://www.filefactory.com/file/1u8jqxxi95tp/n/3-7_pdf</p> <p><u>Circuit Connection Assessment Number 6-1 Class A B Rectifier</u></p> <p><u>Class A-B Amplifier</u></p> <p>http://www.filefactory.com/file/52buij6mxnfv/n/6-1_pdf</p> <p>http://www.filefactory.com/file/650fxy60dm2z/n/6_1_doc</p> <p>http://www.filefactory.com/file/72af0kxilwf3/n/Class_A-B_Amplifier_pdf</p> <p><u>Amplifier1_2Practical</u></p> <p><u>Amplifier current gain</u></p> <p><u>Circuit Connection Assessment Number 6-12 Mini Lab</u></p> <p>http://www.filefactory.com/file/42e878f0kjgd/n/H045Day3Practical_pdf</p> <p>http://www.filefactory.com/file/7hr25f7o5an9/n/6-12_pdf</p> <p>http://www.filefactory.com/file/5mbfi4xigxf1/n/6_12_doc</p>
Australian Curriculum Units	
UEENEEH111A	Troubleshoot single phase input d.c. power supplies
UEENEEH102A	Repair basic electronic apparatus faults by replacement of components

Unit Code: EE116	Process Control System
Teaching Video	<p><u>Process Control+ Digital Electronics +Signal Processing</u></p> <p>I006 Lesson 1 Process control Intro+Signal conditioning.zip</p> <p>I006 Lesson 2 Op-amp in process control.zip</p> <p>I006 Lesson 3 Pnuematic.zip</p> <p>I006 Lesson 3+H012 Lesson 1 Digital principle+Logic</p>

	<p>gates.zip</p> <p>I006 Lesson 4+H012 Lesson 2 Equivalent gate.zip</p> <p>I006 Lesson 5+H012 Lesson 3 Number system.zip</p> <p>I006 Lesson 6+H012 Lesson 4 Binary subtraction.zip</p> <p>I006 Lesson 7+H012 Lesson 5 Encoder+Decoder.zip</p> <p>I006 Lesson 8+H012 Lesson 6 SR Flipflop.zip</p> <p>I006 Lesson 9+H012 Lesson 7 Shift register+Data latches.zip</p> <p>I006 Lesson 10+H012 Lesson 8 Counter.zip</p> <p>I006 Lesson 11+H012 Lesson 9 Display.zip</p> <p>I006 Lesson 12 Digital signal processing.zip</p> <p>I006 Lesson 13 Digital control design.zip</p> <p>I006 Lesson 14 DAC.zip</p> <p>I006 Lesson 15 Ramp AD.zip</p> <p>I006 Lesson 16 Sample and hold.zip</p> <p>I006 Lesson 17 Micro processor compatible DAC.zip</p> <p>I006 Lesson 18 Thermocouple.zip</p> <p>I006 Lesson 19 Temperature measurement.zip</p> <p>I006 Lesson 20 Proportional mode.zip</p> <p>I006 Lesson 21 Industrial transducer.zip</p> <p>I006 Lesson 22 Force measurement.zip</p> <p>I006 Lesson 23 Open loop control+Proportional control.zip</p> <p>I006 Lesson 24 Closed loop control.zip</p> <p>I006 Lesson 25 Electronics signal in process control.zip</p> <p>I006 Lesson 26 PCM.zip</p> <p>I006 Lesson 27 Control loop.zip</p> <p>I006 Lesson 28 Strain gauge+Piezo electric.zip</p> <p>I006 Lesson 29 Light transducer.zip</p>
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	<p><u>Process Control+ Digital Electronics +Signal Processing</u></p> <p>PID Control</p> <p><u>I020 Part 1</u></p> <p><u>I020 Part 2</u></p>
Writing on whiteboard+Audio	<u>Process control-I006+I008+I020.zip</u>
Exercise	<u>EXERCISES</u> Page 240 to 253
Theory Practice Test	<p><u>I006 MCQ Practice 1</u></p> <p><u>I006 MCQ Practice 2</u></p> <p><u>I006 MCQ Practice 3</u></p> <p><u>I006 MCQ Practice 4</u></p>
Handouts	<p><u>AnalogDigitalSignalConditioning</u></p> <p><u>H085 66 I006 Note 1 Sensors 1</u></p> <p><u>H085 66 I006 Note 2 Sensors 2</u></p> <p><u>H085 66 I006 Note 3 Sensors 3</u></p>
Practical Practice	<p><u>Circuit Connection Assessment Number 3-8 Current to Voltage Transducer</u></p> <p><u>http://www.filefactory.com/file/1ufyhdtxvnd/n/Practical_Semester_1_A_pdf</u></p> <p><u>http://www.filefactory.com/file/5n8t8teprzy9/n/B3_8_xls</u></p> <p><u>http://www.filefactory.com/file/6fn97dr9r2g7/n/3_8_doc</u></p> <p><u>PLC Textbook1</u></p> <p><u>PLC Textbook2</u></p> <p><u>PLC Textbook3</u></p> <p><u>PLC 6487E.zip</u></p> <p>PLC References</p> <p><u>User Manuals.zip</u></p> <p><u>TRILOGI5-purdue</u></p> <p><u>SetupTL6Edu Installation</u> <u>Installation Instruction</u></p>

	F Nano-Product Sheets
Reference Resources + Textbooks	H085 66 I006 Note 4 Control Concept1 H085 66 I006 Note 5 Control Concept2 H085 66 I006 Note 6 Electronics Signal H085 66 I006 Note 8 Process Control 1 H085 66 I006 Note 9 Process Control 2 PID.zip
Australian Curriculum Units	
UEENEEI101A	Use instrumentation drawings, specifications, standards and equipment manuals
UEENEEI102A	Solve problems in pressure measurement circuits and systems
UEENEEI103A	Solve problems in density/level measurement circuits and systems
UEENEEI104A	Solve problems in flow measurement circuits and systems
UEENEEI105A	Solve problems in temperature measurement

Unit Code: EE117	Solar Electrical System
Teaching Video	Renewable Energy+ Photovoltaic Inverter K035 Lesson 1-Inverter principle.zip K035 Lesson 2-Modified sine wave inverter.zip K035 Lesson 3-Pulse width modulation.zip K035 Lesson 4-PV Inverter.zip K035 Lesson-5 MOSFET Driver.zip K035 Lesson-6 PWM Inverter.zip K035 Lesson-7 Grid Connected Inverter.zip K035 Lesson-8 Inverter Power Flow Model.zip
Writing on whiteboard+Audio	Renewable Energy-K025+K035.zip K035Inverter K035PV Inverter

<p>Exercise</p>	<p>EXERCISES Page 259 to 262</p> <p>K035_Tutorials.zip</p>
<p>Practical Practice</p>	<p>Circuit Connection Assessment Number 8.1 PWM</p> <p>http://www.filefactory.com/file/39ggeyi402tv/n/8-1_pdf</p> <p>http://www.filefactory.com/file/5mdsys9uaj2l/n/Practical-K035-Pulse_Width_Modulator_pdf</p> <p>http://www.filefactory.com/file/23b6yytib91n/n/K025_pdf</p> <p>http://www.filefactory.com/file/i6h4b7nbqwl/n/8_1_doc</p> <p>Circuit Connection Assessment Number 8.2 Renewable Energy Practicals</p> <p>http://www.filefactory.com/file/2xlox5ofwxtz/n/K025_pdf</p> <p>http://www.filefactory.com/file/y867u3qt0mv/n/8-1_jpg</p> <p>http://www.filefactory.com/file/56ep!9j1w3id/n/8_2_doc</p>
<p>Reference Resources + Textbooks</p>	<p>2.bUnintentional islanding in distribution grids with a high penetration of inverter-based DG.mht</p> <p>2.Un intentional islanding in distribution grids-Part 2 2.c.pdf</p> <p>2.Un intentional islanding in distribution grids-Part 3 2.d-1.pdf</p> <p>2.Distribution Network 1 2b Distribution Network.pdf</p> <p>2.Distribution Network 2 2d-2.pdf</p> <p>2.Distribution Network 3 2d-3.pdf</p> <p>Solar Inspector Training.zip</p> <p>ESI 22.2 Voltage surge control.zip</p>

	ESI 33.5 Harmonic in transformer.zip ESI 33.6 Power Quality Improvement Capacitor bank.zip ESI 33.7 Power Quality Improvement-Filter.zip ESI 33.8 Power Quality Improvement-General.zip ESI 33.9 Power Quality Improvement-Power Conditioner.zip ESI 25 27 31 32 Part 2 Installation and testing 0.zip ESI 25 27 31 32 Part 3 Electrical Drawing.zip ESI 25 27 31 32 Part 4 Data Com and Wiring.zip ESI 25 27 31 32 Part 5 Installation Work Books.zip ESI 25 27 31 32 Part 6 Switching 1 2.zip ESI 25 27 31 32 Part 7 Switching 3 4.zip ESI 25 27 31 32 Part 8a Electrical Installation Requirement 1.zip ESI 25 27 31 32 Part 8b Electrical Installation Requirement 2.zip ESI 13 Voltage Regulating Devices.zip ESI 27.7 CT and PT.zip ESI 27.9 Comparator.zip ESI 27.10 Static relay.zip ESI 27.11 Test and maintenance.zip
Australian Curriculum Units	
UEENEEK142A	Apply environmental and sustainable procedures in the energy sector
UEENEEK125A	Solve basic problems in photovoltaic energy apparatus and systems
UEENEEK148A	Install, configure and commission photovoltaic grid connected power systems

Unit Code: EE118	Electrical Energy Supply System
Teaching Video	<p><u>Power System (1)</u></p> <p><u>G015(AA)Lesson 1-Distribution system.zip</u></p> <p><u>G015(AA)Lesson 2-Demand factor.zip</u></p> <p><u>G015(AA)Lesson 3-Sag.zip</u></p> <p><u>G015(AA)Lesson 4-OH Line mechanical design.zip</u></p> <p><u>G015(AA)Lesson 5-UG Cable.zip</u></p> <p><u>G015(AA)Lesson 6-Voltage control.zip</u></p> <p><u>G015(AE)Lesson 1-Power system protection scheme.zip</u></p> <p><u>G015(AE)Lesson 2-Differential relay.zip</u></p> <p><u>G015(AE)Lesson 3- Over current & earth fault protection.zip</u></p> <p><u>G015(AE)Lesson 4-Three phase differential relay.zip</u></p> <p><u>G015(AE)Lesson 5-Current time grading.zip</u></p> <p><u>G015(AE)Lesson 7-CT PT.zip</u></p> <p><u>G015(AE)Lesson 8-Distance relay.zip</u></p> <p><u>G015(AE)Lesson 9-Telecom in power protection.zip</u></p> <p><u>G015(AG)Lesson 1-Stability.zip</u></p> <p><u>G015(AG)Lesson 2-Generator load sharing.zip</u></p> <p><u>G015(AG)Lesson 3-Power Flow.zip</u></p> <p><u>G015(AG)Lesson 4-IP based system.zip</u></p> <p><u>G015(AG)Lesson 5-Surge in power system.zip</u></p> <p><u>G015(AG)Lesson 6-CTPT Harmonic filter.zip</u></p> <p><u>G015(AG)Lesson 7-Short circuit in alternator.zip</u></p> <p><u>G015(AG)Lesson 8-Corona.zip</u></p>

	<p>G015(AG)Lesson 9-Power surge.zip</p> <p>G015(AG)Lesson_10-Static_Var_Compensation.zip</p> <p>G015(AG)Lesson 11-PF Control+Fuel cell.zip</p>
Writing on whiteboard+Audio	<p>AA.zip</p> <p>AE.zip</p> <p>AG.zip</p> <p>A010.zip</p>
Exercise	EXERCISES Page 115 to 131
Handouts	<p>G015 G037 G038 G030Pt1 7762AG Notes</p> <p>G015 G042 G037 G038 G039 Part 2 Notes</p> <p>Tutorial answers for G015 G047 G049 G043 G045 G040 G042</p> <p>Electrical Distribution Typed Notes</p> <p>AA Typed Note 1.doc</p> <p>AA Typed Note 2.doc</p> <p>AA Typed Notes 3-.doc</p> <p>7762AA Typed Note 4.doc</p> <p>AA Typed note 5.doc</p> <p>AA Typed note 6.doc</p> <p>AA typed note 7.doc</p> <p>AA typed note 8.doc</p> <p>7762AA Module Book</p>
Theory Practice Test	<p>G015+G046 MCQ Practice 1</p> <p>G015+G046 MCQ Practice 2</p>

	<p><u>G015+G046 MCQ Practice 3</u></p> <p><u>G015+G046 MCQ Practice 4</u></p> <p><u>G015+G046 MCQ Practice 5</u></p>
<p>Practical Practice</p>	<p><u>Circuit Connection Assessment Number 4.1 Power Practical CT PT Ratio Measurement</u></p> <p><u>http://www.filefactory.com/file/798ausrs1m6p/n/4.1.doc</u></p> <p><u>http://www.filefactory.com/file/57e2el72is2v/n/4.1.xls</u></p> <p><u>http://www.filefactory.com/file/798ausrs1m6p/n/4.1.doc</u></p> <p><u>http://www.filefactory.com/file/c4779istkit/n/Power Practical-CT PT Ratio measurement.pdf</u></p> <p><u>Circuit Connection Assessment Number 4.3 Power Practical-UG Cable capacitance test</u></p> <p><u>http://www.filefactory.com/file/4j2n7y7bf97x/n/4.8.doc</u></p> <p><u>http://www.filefactory.com/file/5b9oxsvj9xnb/n/4-8.pdf</u></p> <p><u>UG Cable capacitance test</u></p> <p><u>http://www.filefactory.com/file/3noygi3n1zjh/n/Power Practical-G015-UG Cable capacitance test pdf</u></p> <p><u>Circuit Connection Assessment Number 4.4 Power Practical-Voltage profile chart</u></p> <p><u>http://www.filefactory.com/file/1iz5ji67vspn/n/4_9_xls</u></p> <p><u>http://www.filefactory.com/file/3inaw8r1nvol/n/4_9_doc</u></p> <p><u>http://www.filefactory.com/file/3j63fse42vzb/n/4-9_pdf</u></p> <p><u>http://www.filefactory.com/file/6u4eb773sext/n/Power Practical-G015-Voltage profile chart pdf</u></p> <p><u>Circuit Connection Assessment Number 4.5 Power Practical-Line air capacitance test</u></p>

[Line air capacitance test](#)

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[http://www.filefactory.com/file/2cysmkof0a5t/n/Power_Practical-Line air capacitance test pdf](http://www.filefactory.com/file/2cysmkof0a5t/n/Power_Practical-Line_air_capacitance_test_pdf)

[Circuit Connection Assessment Number 4.6 Power Practical-Line Insulator Capacitance Measurement](#)

[Circuit Connection Assessment Number 4.2 Power Practical-OH Insulator capacitance](#)

[Line Insulator Capacitance Measurement .zip](#)

[http://powersemester2.zoomshare.com/files/Line Insulator Capacitance Measurement .zip](http://powersemester2.zoomshare.com/files/Line_Insulator_Capacitance_Measurement_.zip)

http://www.filefactory.com/file/1zjy9yt8hlqn/n/4-5_pdf

http://www.filefactory.com/file/4tc3qi51b2yv/n/4_5_doc

[Circuit Connection Assessment Number 4.7 Power Practical-Real power, reactive power, apparent power](#)

[3 ph power](#)

[Connection of V I F PF Meter](#)

[Reactive power](#)

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[http://www.filefactory.com/file/5w7jcn9y20kn9/n/Power Practical-Real power reactive power apparent power pdf](http://www.filefactory.com/file/5w7jcn9y20kn9/n/Power_Practical-Real_power_reactive_power_apparent_power_pdf)

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	<p>http://www.filefactory.com/file/5s68gn2m8lfr/n/4-12_pdf</p> <p>http://www.filefactory.com/file/5gcxv439m5in/n/Power_Practical-TrPolarity_OCT_SCT_pdf</p> <p>Auto Tr Test</p> <p>Circuit Connection Assessment Number 3-4 Over Current Relay</p> <p>Over current relay test</p> <p>Relay Trade Reference</p> <p>CT Ratio</p> <p>http://www.filefactory.com/file/1ufyhdtxvnd/n/Practical_Semester_1_A_pdf</p> <p>http://www.filefactory.com/file/6fhmwq8kenzx/n/3-4_pdf</p> <p>http://www.filefactory.com/file/2ncfb8i5jlh/n/3_4_xls</p> <p>http://www.filefactory.com/file/n2vd5iew8ob/n/3_4_doc</p> <p>Circuit Connection Assessment Number 3-5 Comparing AC and DC system</p> <p>http://www.filefactory.com/file/1ufyhdtxvnd/n/Practical_Semester_1_A_pdf</p> <p>http://www.filefactory.com/file/2w77umiyif33/n/3_5_xls</p> <p>http://www.filefactory.com/file/3wkarewtrwnh/n/3_5_doc</p> <p>http://www.filefactory.com/file/dn69z51p0m7/n/3-5_pdf</p>
<p>Reference Resources + Textbooks</p>	<p>ESI 8 Insulation 1.zip</p> <p>ESI 8 Insulation 2.zip</p> <p>ESI 25 27 31 32 Part 2 Installation and testing 0.zip</p> <p>ESI 25 27 31 32 Part 3 Electrical Drawing.zip</p>

[ESI 25 27 31 32 Part 4 Data Com and Wiring.zip](#)

[ESI 25 27 31 32 Part 5 Installation Work Books.zip](#)

[ESI 25 27 31 32 Part 6 Switching 1 2.zip](#)

[ESI 25 27 31 32 Part 7 Switching 3 4.zip](#)

[ESI 25 27 31 32 Part 8a Electrical Installation Requirement 1.zip](#)

[ESI 25 27 31 32 Part 8b Electrical Installation Requirement 2.zip](#)

[ESI 9.1 Protection Relay Construction.zip](#)

[ESI 9.2 Test Equipment.zip](#)

HV Equipments

[ESI10.1 HV equipments.zip](#)

[ESI10.2 Substation equipments.zip](#)

Harmonics

[ESI12 14 Harmonic.zip](#)

[ESI12 14 Reactor.zip](#)

[ESI12 14 Syn Motor Generator.zip](#)

Voltage Regulation

[ESI 13 Voltage regulation devices.zip](#)

Sub station equipments

[ESI 18.1 Substation equipments 1.zip](#)

[ESI 18.2 Substation equipments 2.zip](#)

[ESI 18.3 Substation equipments 3.zip](#)

Power Quality

[ESI 33.1 Power Quality Concept.zip](#)

[ESI 33.2 Harmonic in capacitor.zip](#)

[ESI 33.3 Harmoniceffect on machines.zip](#)

[ESI 33.4 Harmonic in synchronous machines.zip](#)

[ESI 33.5 Harmonic in transformer.zip](#)

[ESI 33.6 Power Quality Improvement Capacitor bank .zip](#)

[ESI 33.7 Power Quality Improvement-Filter.zip](#)

[ESI 33.8 Power Quality Improvement-General.zip](#)

[ESI 33.9 Power Quality Improvement-
Power Conditioner.zip](#)

Power Equipments Commissioning

[ESI 34.1 Power Eqpt Commissioning 1.zip](#)

[ESI 34.2 Power Eqpt Commissioning 2.zip](#)

[ESI 34.3 Power Eqpt Commissioning 3.zip](#)

[ESI 34.4 Power Eqpt Commissioning 4.zip](#)

[ESI 34.5 Power Eqpt Commissioning 5.zip](#)

[ESI 34.6 Power Eqpt Commissioning 6.zip](#)

[ESI 34.7 Power Eqpt Commissioning Trade 1.zip](#)

[ESI 34.8 Power Eqpt Commissioning Trade 2.zip](#)

[ESI 34.9 Power Eqpt Commissioning Trade 3.zip](#)

	ESI 34.10 Power Eqpt Commissioning Trade 4.zip ESI 34.11 Power Eqpt Commissioning Trade 5.zip ESI 34.12 Power Eqpt Commissioning Trade 6.zip ESI 34.13 Power Eqpt Configuration 1.zip ESI 34.14 Power Eqpt Configuration 2.zip Equipments Commissioning ESI 34.1 Background theory for equipments commissioning 1.zip ESI 34.2 Background theory for equipments commissioning 2.zip ESI 34.3 Background theory for equipments commissioning 3.zip ESI 34.4 Background theory for equipments commissioning 4.zip ESI 34.5 Background theory for equipments commissioning 5.zip ESI 34.6 Background theory for equipments commissioning 6.zip
Australian Curriculum Units	
UEENEEA110A	Assemble, mount and connect control gear and switchgear
UEENEEA112A	Fabricate and assemble bus bars
UEENEEA113A	Mount and wire control panel equipment
UEENEEG126A	Install and maintain LV field power and distribution systems with a demand up to 200 A per phase
UEENEEG129A	Overhaul and repair switchgear and controlgear
UEENEEG171A	Install, set up and commission interval metering
UEENEEG076A	Install and replace low voltage current transformer metering
UEENEEG127A	Design electrical installations with a low voltage demand greater than 400 A per phase
UEENEEG128A	Plan low voltage switchboard and control panel layouts
UEENEEG177A	Select low voltage power factor correction equipment

Unit Code: EE119	Electrical Risk Assessment
Teaching Video	Risk Assessment Teaching Video
Writing on whiteboard+Audio	Risk Assessment Class Teaching Notes
Exercise	EXERCISES Page 2 to 4
Practical Practice	E011 E017 Assignment
Reference Resources + Textbooks	RiskManagement.pdf E011E017note1 E011E017note2 E011 E017Notes3.zip
Australian Curriculum Unit	
UEENEEE011C	Manage risk in electrotechnology activities

Unit Code: EE120	Electrical Contracting & Specification
Teaching Video	Project Specifications+ Project Planning +Project Management (1) E071+G069+G070Part1.zip Project Specifications+ Project Planning +Project Management (2) E071+G069+G070Part2.zip
Writing on whiteboard+Audio	E071 Class Teaching Lessons E071DesiE071HVOverheadConductors Wk2-3 .zip E071LVOverheadConductor Wk4-5 .zip E071Hazard Identification Wk6 .zip E071General Wiring Wk7-8 .zip E071UGCableSpecification Wk9-10-11 .zip E071TelecomDatacom Wk12 .zip

	E071Switching Wk13 .zip E071DesignStdOHDevelopment Wk14-16 .zip
Exercise	EXERCISES Page 65 to 71
Reference Resources + Textbooks	Costing Quotation.zip Estimating1 Estimating2 Estimating3 <u>(2B) Flexible study Notes References for Specifications</u> Service Rule 1 Service Rule 2 Service Rule 3 6-ElectricalDrawing 12-Specifications 13-BSpecifications 14-Specifications
Australian Curriculum Unit	
UEENEEE071B	Write specifications for electrical engineering projects

Unit Code: EE121	Electronics Power Control Devices
Teaching Video	Three phase power control equipments H026 Lesson 1-Single &Three phase power control.zip H026 Lesson 2-Solid state switching devices.zip H026 Lesson 3-Inverter Converter.zip H026 Lesson 4-Power Diodes.zip

	<p>H026 Lesson 5-AC Motor speed control.zip</p> <p>H026 Lesson 6-Current fed inverter.zip</p>
Writing on whiteboard+Audio	Power Electronics -H025+H026.zip
Exercise	<u>EXERCISES</u> Page 229 to 232
Theory Practice Test	<u>H026 MCQ Practice 1</u>
Practical Practice	<p><u>Circuit Connection Assessment Number 3-3 SCR</u></p> <p>http://www.filefactory.com/file/1ufyhdtxvnd/n/Practical_Semester_1_A_pdf</p> <p>http://www.filefactory.com/file/41191vthkhdn/n/3_3_doc</p> <p>http://www.filefactory.com/file/fe3dnguraj/n/3-3_pdf</p> <p><u>Circuit Connection Assessment Number 3-6 Three Phase Rectification</u></p> <p>http://www.filefactory.com/file/1ufyhdtxvnd/n/Practical_Semester_1_A_pdf</p> <p>http://www.filefactory.com/file/4h4d1hrfhogv/n/3_6_doc</p> <p>http://www.filefactory.com/file/9bevf2n3hu1/n/3-6_pdf</p> <p><u>Circuit Connection Assessment Number 3-7 Three Terminal Regulator</u></p> <p>http://www.filefactory.com/file/1ufyhdtxvnd/n/Practical_Semester_1_A_pdf</p> <p>http://www.filefactory.com/file/65maa6x3hkzj/n/3_7_doc</p> <p>http://www.filefactory.com/file/75znot255nq7/n/3_7_xls</p> <p>http://www.filefactory.com/file/1u8jqxxi95tp/n/3-7_pdf</p> <p><u>Circuit Connection Assessment Number 6-3 SCR Phase control</u></p> <p>http://www.filefactory.com/file/17tuqx051l2v/n/6-3_pdf</p> <p>http://www.filefactory.com/file/5fvgvka1y07/n/Practical-H025_H026-SCR_Phase_Control_pdf</p> <p>http://www.filefactory.com/file/5qq2fze0fqah/n/6_3_doc</p>

	<p><u>Power Control Devices</u></p> <p><u>Circuit Connection Assessment Number 6-7 Precision half wave rectifier</u></p> <p><u>http://www.filefactory.com/file/21egwl9rthgr/n/6-7_pdf</u></p> <p><u>http://www.filefactory.com/file/406iyxvrc1eb/n/Practical-H025-Precision_half_wave_amplifier_pdf</u></p> <p><u>http://www.filefactory.com/file/5rzsio12bw39/n/6_7_doc</u></p> <p><u>Rectification</u></p> <p><u>Circuit Connection Assessment Number 6-8 Variable frequency drive</u></p> <p><u>http://www.filefactory.com/file/icwoyr7ctpv/n/6_8_doc</u></p> <p><u>http://www.filefactory.com/file/6jsb8h0q6agt/n/Variable_speed_drive_pdf</u></p> <p><u>http://www.filefactory.com/file/vrdaixekxn/n/6-8_pdf</u></p> <p><u>Circuit Connection Assessment Number 6-9 Three phase rectifier</u></p> <p><u>http://www.filefactory.com/file/1w2ax659q7ov/n/6_9_doc</u></p> <p><u>http://www.filefactory.com/file/37wu1n67f35j/n/Practical-H026-3_phase_rectifier_pdf</u></p> <p><u>http://www.filefactory.com/file/59hev8r7yoyl/n/6-9_pdf</u></p> <p><u>Rectification</u></p>
<p>Reference Resources + Textbooks</p>	<p><u>H026 3 Ph Power Control Electronics 1</u></p> <p><u>H026 3 Ph Power Control Electronics 2</u></p> <p><u>H026 3 Ph Power Control Electronics 3</u></p> <p><u>H026 3 Ph Power Control Electronics 4</u></p>
<p>Australian Curriculum Units</p>	
<p>UEENEEI149A</p>	<p>Solve problems in polyphase electronic power control circuits</p>