

ENPRA101A Engineering Practice

PART (1)

CLASS LESSON NOTES FOR BASIC CONCEPTS AT FOUNDATION/ADVANCED DIPLOMA LEVEL

In this subject you will learn about the practices of an engineering professional within a multidisciplinary framework. You will develop basic knowledge and skills relating to electrical and other engineering specialisations, including:

Introduction to the Regulatory System:

- Electricity Act
- Electricity Regulation Australian
- Standards State Regulators
- Workplace Health and Safety
- Engineers Code of Ethics

Drawings And Specifications:

- Drawing Interpretation
- Overview of Computer Aided Design (CAD)
- Writing a Specification

Generation and Distribution:

- Generating Plant
- Transmission Grid
- Substations

Fasteners and Fastening Methods:

- Methods of securing electrical equipment to various surfaces

Wiring Systems:

- Load Calculations
- Max. Demand
- Cables and Systems
- AS3008

Control and Protection:

- Earthing
- Protection for safety
- Faults and overloads
- Protective devices and methods

Illumination:

- Basic Lighting Concepts
- Vision and Colour
- Lamps and luminaires
- Control
- Photometric calculations

Emergency Systems:

- Batteries
 - Emergency Lighting
 - Fire/Smoke detection systems.
-

AUSTRALIAN ELECTRICIAN TRAINING

G033+G063+G107 (Week 1 to 6 Lessons)(G033)

G106 Cable Termination

G106+G033 Practical

G063 Wk 7+8

http://www.filefactory.com/file/423vowj4o34b/G063_Wk_7_8_zip

G033+G063+G107 Week 10 to 15

Study Guide EE07 & EE011

What to study		Which exercises to do		What practical to do	Resources
Main study		Additional study	Main exercise	Additional exercises for EE011	
EE07 Unit	EE011 Unit	For EE07+EE011+Video	Study Option (1) EE-07		

UEENEE E005B Fix and secure equipment	UEENEE E105A Fix and secure electrotechnology equipment	See 5 below	See 6 below	See 7 below	See 8 below	See 9 below	See 10 below
Study Option 1	Study Option 1	EE011 = EE07 + Additional					
See 1 below	See 3 below						
Study Option 2	Study Option 2						
See 2 below	See 4 below						

1	http://www.filefactory.com/file/c0b67b7/n/Electrical_Workshop_Wiring_E001_2_3_4_5_7_8_33_G003_4_7.zip
2	
3	http://www.filefactory.com/file/c0b67b7/n/Electrical_Workshop_Wiring_E001_2_3_4_5_7_8_33_G003_4_7.zip
4	
5	<p>Video-- Electrical workshop Lesson 1 OHS.zip http://www.filefactory.com/file/c0adbfa/n/Electrical_workshop_Lesson_1_OHS.zip Electrical workshop Lesson 2 Workplace hazard+Fix & secure equipment.zip http://www.filefactory.com/file/c0adca2/n/Electrical_workshop_Lesson_2_Workplace_hazard_Fix_secure_equipment.zip</p> <p>Electrical workshop Lesson 3 Mechanical fixing.zip</p> <p>http://www.filefactory.com/file/c0adc1d/n/Electrical_workshop_Lesson_3_Mechanical_fixing.zip Electrical workshop Lesson 4 Basic electrical wiring.zip</p> <p>http://www.filefactory.com/file/c0add65/n/Electrical_workshop_Lesson_4_Basic_electrical_wiring.zip</p> <p>Electrical workshop Lesson 5 Wiring circuits.zip</p> <p>http://www.filefactory.com/file/c0ade9b/n/Electrical_workshop_Lesson_5_Wiring_circuits.zip</p>

	<p>on 5 Wiring circuits.zip</p> <p>Electrical workshop Lesson 6 Electrical safety testing.zip</p> <p>http://www.filefactory.com/file/c0adf90/n/Electrical_workshop_Lesson_6_Electrical_safety_testing.zip</p> <p>Electrical workshop Lesson 7 Testing insulation and polarity.zip</p> <p>http://www.filefactory.com/file/c0ad031/n/Electrical_workshop_Lesson_7_Testing_insulation_and_polarity.zip</p> <p>Electrical workshop Lesson 8 Testing lighting polarity.zip</p> <p>http://www.filefactory.com/file/c0ad1d8/n/Electrical_workshop_Lesson_8_Testing_lighting_polarity.zip</p>
6	(2) Click HERE to download other Exercises
7	EE07 & EE011 units mapping for Theory study & Exercises
8	http://www.filefactory.com/file/3qun68epu0lp/n/Advanced_Diploma_in_Electrical_Engineering_Exercises_EE011.pdf
9	Stage_1_Electrical_workshop_practicals.pdf Wiring_Equipments_to_purchase IN THE LINK INDICATED IN ROLL 11
10	Fixing Equipments E002_E005.zip IN THE LINK INDICATED IN ROLL 11
11	BACK UP FOR 9 & 10 Stage 1 Part 1.zip http://www.filefactory.com/file/c0cb8ab/n/Stage_1_Part_1.zip Stage 1 Part 5.zip http://www.filefactory.com/file/c0cb9b3/n/Stage_1_Part_5.zip

Study Guide EE07 & EE011

What to study		Which exercises to do		What practical to do	Resources		
Main study		Main exercise		for EE011			
EE07 Unit	EE011 Unit	Study Option (1) EE-07	Study Option (2) EE-07				
UEENEE	UEENEE	For EE07+EE011+Video	See	See 7	See 8	See 9	See

E007B	E107A	below	6 below	below	below	below	10 below
Use drawings, diagrams, schedules and manuals	Use drawings, diagrams, schedules, standards, codes and specifications						
Study Option 1	Study Option 1	EE011 = EE07 + Additional					
See 1 below	See 3 below						
Study Option 2	Study Option 2						
See 2 below	See 4 below						

1	http://www.filefactory.com/file/c0b67b7/n/Electrical_Workshop_Wiring_E001_2_3_4_5_7_8_33_G003_4_7.zip
2	ElectricalDrawing1 ElectricalDrawing2 ElectricalDrawing3 Stage 1 Part 3.zip http://www.filefactory.com/file/c0cb8f5/n/Stage_1_Part_3.zip GeneralDrawing1 GeneralDrawing2 Stage 1 Part 4.zip http://www.filefactory.com/file/c0cc1cd/n/Stage_1_Part_4.zip
3	http://www.filefactory.com/file/c0b67b7/n/Electrical_Workshop_Wiring_E001_2_3_4_5_7_8_33_G003_4_7.zip
4	ElectricalDrawing1 ElectricalDrawing2

	<p>ElectricalDrawing3</p> <p>Stage 1 Part 3.zip http://www.filefactory.com/file/c0cb8f5/n/Stage_1_Part_3.zip</p> <p>GeneralDrawing1</p> <p>GeneralDrawing2</p> <p>Stage 1 Part 4.zip http://www.filefactory.com/file/c0cc1cd/n/Stage_1_Part_4.zip</p>
5	<p>Video-- Electrical workshop Lesson 1 OHS.zip http://www.filefactory.com/file/c0adbfa/n/Electrical_workshop_Lesson_1_OHS.zip Electrical workshop Lesson 2 Workplace hazard+Fix & secure equipment.zip http://www.filefactory.com/file/c0adca2/n/Electrical_workshop_Lesson_2_Workplace_hazard_Fix_secure_equipment.zip</p> <p>Electrical workshop Lesson 3 Mechanical fixing.zip http://www.filefactory.com/file/c0adc1d/n/Electrical_workshop_Lesson_3_Mechanical_fixing.zip Electrical workshop Lesson 4 Basic electrical wiring.zip http://www.filefactory.com/file/c0add65/n/Electrical_workshop_Lesson_4_Basic_electrical_wiring.zip</p> <p>Electrical workshop Lesson 5 Wiring circuits.zip http://www.filefactory.com/file/c0ade9b/n/Electrical_workshop_Lesson_5_Wiring_circuits.zip</p> <p>Electrical workshop Lesson 6 Electrical safety testing.zip http://www.filefactory.com/file/c0adf90/n/Electrical_workshop_Lesson_6_Electrical_safety_testing.zip</p> <p>Electrical workshop Lesson 7 Testing insulation and polarity.zip http://www.filefactory.com/file/c0ad031/n/Electrical_workshop_Lesson_7_Testing_insulation_and_polarity.zip</p> <p>Electrical workshop Lesson 8 Testing lighting polarity.zip http://www.filefactory.com/file/c0ad1d8/n/Electrical_workshop_Lesson_8_Testing_lighting_polarity.zip</p>
6	<p>(2) Click HERE to download other Exercises</p>

7	Stage 1 Electrical workshop practicals.pdf
8	http://www.filefactory.com/file/3qun68epu0lp/n/Advanced_Diploma_in_Electrical_Engineering_Exercises_EE011_pdf
9	<p>EE07 & EE011 units mapping for Theory study & Exercises</p> <p>Attend the face to face session</p> <p>Stage_1_Electrical_workshop_practicals.pdf Wiring_Equipments_to_purchase in Stage 1 Part 3.zip http://www.filefactory.com/file/c0cb8f5/n/Stage_1_Part_3.zip</p>
10	<p>ElectricalDrawing1 ElectricalDrawing2 ElectricalDrawing3</p> <p>Stage 1 Part 3.zip http://www.filefactory.com/file/c0cb8f5/n/Stage_1_Part_3.zip</p> <p>GeneralDrawing1 GeneralDrawing2</p> <p>Stage 1 Part 4.zip http://www.filefactory.com/file/c0cc1cd/n/Stage_1_Part_4.zip</p>
11	<p><u>BACK UP FOR 9 & 10</u></p> <p>Stage 1 Part 3.zip http://www.filefactory.com/file/c0cb8f5/n/Stage_1_Part_3.zip</p>

Study Guide EE07 & EE011

What to study		Which exercises to do		What practical to do	Resources		
Main study	Additional study	Main exercise	Additional exercises for EE011				
EE07 Unit	EE011 Unit	For EE07+EE011 +Video	Study Option (1) EE-07	Study Option (2) EE-07			
UEENE	UEENE	See 5	See 6	See 7	See 8	See 9	See 10

008B Lay wiring/cabling and terminate accessories for extra-low voltage circuits	108A Lay wiring/cabling and terminate accessories for extra-low voltage (ELV) circuits	below	below	below	below	below	below
Study Option 1	Study Option 1	EE01 = EE07 1 + Additional					
See 1 below	See 3 below						
Study Option 2	Study Option 2						
See 2 below	See 4 below						

1	http://www.filefactory.com/file/c0b67b7/n/Electrical Workshop Wiring_E001_2_3_4_5_7_8_33_G003_4_7.zip
2	
3	http://www.filefactory.com/file/c0b67b7/n/Electrical Workshop Wiring_E001_2_3_4_5_7_8_33_G003_4_7.zip
4	
5	<p>Video-- Electrical workshop Lesson 1 OHS.zip http://www.filefactory.com/file/c0adbfa/n/Electrical_workshop Lesson 1 OHS.zip Electrical workshop Lesson 2 Workplace hazard+Fix & secure equipment.zip http://www.filefactory.com/file/c0adca2/n/Electrical_workshop Lesson 2 Workplace hazard Fix secure equipment.zip</p> <p>Electrical workshop Lesson 3 Mechanical fixing.zip http://www.filefactory.com/file/c0adc1d/n/Electrical_workshop Lesson 3 Mechanical fixing.zip Electrical workshop Lesson 4 Basic electrical wiring.zip</p> <p>http://www.filefactory.com/file/c0add65/n/Electrical_workshop Lesson 4 Basic electrical wiring.zip</p> <p>Electrical workshop Lesson 5 Wiring circuits.zip</p> <p>http://www.filefactory.com/file/c0ade9b/n/Electrical_workshop Lesson 5 Wiring circuits.zip</p> <p>Electrical workshop Lesson 6 Electrical safety testing.zip http://www.filefactory.com/file/c0adf90/n/Electrical_workshop Lesson 6 Electrical safety testing.zip</p>

	<p>Electrical workshop Lesson 7 Testing insulation and polarity.zip</p> <p>http://www.filefactory.com/file/c0ad031/n/Electrical_workshop_Lesson_7_Testing_insulation_and_polarity.zip</p> <p>Electrical workshop Lesson 8 Testing lighting polarity.zip</p> <p>http://www.filefactory.com/file/c0ad1d8/n/Electrical_workshop_Lesson_8_Testing_lighting_polarity.zip</p>
6	2) Click HERE to download other Exercises
7	EE07 & EE011 units mapping for Theory study & Exercises
8	http://www.filefactory.com/file/3qun68epu0lp/n/Advanced_Diploma_in_Electrical_Engineering_Exercises_EE011.pdf
9	<p>EE07 & EE011 units mapping for Theory study & Exercises</p> <p>Attend the face to face session</p> <p>Stage_1_Electrical_workshop_practicals.pdf</p> <p>Wiring_Equipments_to_purchase IN THE LINK INDICATED IN ROLL 11</p>
10	<p>Wiring_Notes_1. Wiring_Notes_2 Switchboard_Wiring</p> <p>1Wiring_E033_E008 2Wiring_E033_E008</p> <p>IN THE LINK INDICATED IN ROLL 11</p>
11	<p><u>BACK UP for 9 & 10</u></p> <p>Stage 1 Part 5.zip http://www.filefactory.com/file/c0cb9b3/n/Stage_1_Part_5.zip</p> <p>Stage 1 Part 1.zip http://www.filefactory.com/file/c0cb8ab/n/Stage_1_Part_1.zip</p>

Study Guide EE07 & EE011

What to study		Which exercises to do		What practical to do	Resources		
Main study	Additional study	Main exercise	Additional exercises for EE011				
EE07 Unit	EE011 Unit	For EE07+EE011 +Video	Study Option (1) EE-07	Study Option (2) EE-07			
UEENEE033B	UEENEE137A		See 5 below			See 6 below	See 7 below

Document occupational hazards and risks in electrical work	Document and apply measures to control OHS risks associated with electrotechnology work		w				
Study Option 1	Study Option 1	EE01 = EE07 1 + Additional					
See 1 below	See 3 below						
Study Option 2	Study Option 2						
See 2 below	See 4 below						

1	http://www.filefactory.com/file/c0b67b7/n/Electrical_Workshop_Wiring_E001_2_3_4_5_7_8_33_G003_4_7.zip
2	
3	http://www.filefactory.com/file/c0b67b7/n/Electrical_Workshop_Wiring_E001_2_3_4_5_7_8_33_G003_4_7.zip
4	
5	<p>Video-- Electrical workshop Lesson 1 OHS.zip http://www.filefactory.com/file/c0adbfa/n/Electrical_workshop_Lesson_1_OHS.zip Electrical workshop Lesson 2 Workplace hazard+Fix & secure equipment.zip http://www.filefactory.com/file/c0adca2/n/Electrical_workshop_Lesson_2_Workplace_hazard_Fix_secure_equipment.zip</p> <p>Electrical workshop Lesson 3 Mechanical fixing.zip http://www.filefactory.com/file/c0adc1d/n/Electrical_workshop_Lesson_3_Mechanical_fixing.zip Electrical workshop Lesson 4 Basic electrical wiring.zip http://www.filefactory.com/file/c0add65/n/Electrical_workshop_Lesson_4_Basic_electrical_wiring.zip</p> <p>Electrical workshop Lesson 5 Wiring circuits.zip http://www.filefactory.com/file/c0ade9b/n/Electrical_workshop_Lesson_5_Wiring_circuits.zip</p> <p>Electrical workshop Lesson 6 Electrical safety testing.zip</p>

	<p>http://www.filefactory.com/file/c0adf90/n/Electrical_workshop_Lesson_6_Electrical_safety_testing.zip</p> <p>Electrical workshop Lesson 7 Testing insulation and polarity.zip</p> <p>http://www.filefactory.com/file/c0ad031/n/Electrical_workshop_Lesson_7_Testing_insulation_and_polarity.zip</p> <p>Electrical workshop Lesson 8 Testing lighting polarity.zip</p> <p>http://www.filefactory.com/file/c0ad1d8/n/Electrical_workshop_Lesson_8_Testing_lighting_polarity.zip</p>
6	2) Click HERE to download other Exercises
7	EE07 & EE011 units mapping for Theory study & Exercises
8	http://www.filefactory.com/file/3qun68epu0lp/n/Advanced_Diploma_in_Electrical_Engineering_Exercises_EE011.pdf
9	<p>EE07 & EE011 units mapping for Theory study & Exercises</p> <p>Attend the face to face session</p> <p>Stage_1_Electrical_workshop_practicals.pdf Wiring_Equipments_to_purchase</p> <p>IN THE LINK INDICATED IN ROLL 11</p>
10	<p>Electrical_safe_working.zip</p> <p>NREL_Disconnect_Reconnect.zip IN THE LINK INDICATED IN ROLL 11</p>
11	<p><u>BACK UP for 9 & 10</u></p> <p>Stage 1 Part 5.zip http://www.filefactory.com/file/c0cb9b3/n/Stage_1_Part_5.zip</p> <p>Stage 1 Part 1.zip http://www.filefactory.com/file/c0cb8ab/n/Stage_1_Part_1.zip</p>

Study Guide EE07 & EE011

What study to		Which exercises to do		What practical to do	Resources	
Main study	Additional study	Main exercise	Additional exercises			
EE07 Unit	EE011 Unit	For EE07+EE011 +Video	Study Option (1) EE-07	Study Option (2) EE-07	for EE011	
	UEENEEG106A Terminate	See 5 below	See 6 below	See 7 below	See 8 below	See 9 below See 10 below

	cables, cords and accessories for low voltage circuits						
Study Option 1	Study Option 1	$EE01 = EE07 + \text{Additional}$					
See 1 below	See 3 below						
Study Option 2	Study Option 2						
See 2 below	See 4 below						

4	<p>ELV_Cable_termination</p> <p>in Stage 2 Part 2A.zip</p> <p>http://www.filefactory.com/file/c0cca4a/n/Stage_2_Part_2A.zip</p>
5	<p>Video-- Electrical workshop Lesson 1 OHS.zip</p> <p>http://www.filefactory.com/file/c0adbfa/n/Electrical_workshop_Lesson_1_OHS.zip</p> <p>Electrical workshop Lesson 2 Workplace hazard+Fix & secure equipment.zip</p> <p>http://www.filefactory.com/file/c0adca2/n/Electrical_workshop_Lesson_2_Workplace_hazard_Fix_secure_equipment.zip</p> <p>Electrical workshop Lesson 3 Mechanical fixing.zip</p> <p>http://www.filefactory.com/file/c0adc1d/n/Electrical_workshop_Lesson_3_Mechanical_fixing.zip</p> <p>Electrical workshop Lesson 4 Basic electrical wiring.zip</p> <p>http://www.filefactory.com/file/c0add65/n/Electrical_workshop_Lesson_4_Basic_electrical_wiring.zip</p> <p>Electrical workshop Lesson 5 Wiring circuits.zip</p> <p>http://www.filefactory.com/file/c0ade9b/n/Electrical_workshop_Lesson_5_Wiring_circuits.zip</p>

	<p>n 5 Wiring circuits.zip</p> <p>Electrical workshop Lesson 6 Electrical safety testing.zip</p> <p>http://www.filefactory.com/file/c0adf90/n/Electrical_workshop_Lesson_6_Electrical_safety_testing.zip</p> <p>Electrical workshop Lesson 7 Testing insulation and polarity.zip</p> <p>http://www.filefactory.com/file/c0ad031/n/Electrical_workshop_Lesson_7_Testing_insulation_and_polarity.zip</p> <p>Electrical workshop Lesson 8 Testing lighting polarity.zip</p> <p>http://www.filefactory.com/file/c0ad1d8/n/Electrical_workshop_Lesson_8_Testing_lighting_polarity.zip</p>
6	
7	Only practical assessment in class
8	http://www.filefactory.com/file/3qun68epu0lp/n/Advanced_Diploma_in_Electrical_Engineering_Exercises_EE011.pdf
9	Attend face to face class
	http://www.filefactory.com/file/2f8e3fph9trr/n/G106_G033_Practical.zip
10	<p>ELV_Cable_termination Wiring_Notes_1. Wiring_Notes_2 Switchboard_Wiring</p> <p>1Wiring_E033_E008 2Wiring_E033_E008</p> <p>ElectricalDrawing1.zip ElectricalDrawing2.zip ElectricalDrawing3.pdf</p> <p>IN THE LINK INDICATED IN ROLL 11</p>
1	BACK UP
1	<p>Stage 2 Part 2A.zip</p> <p>http://www.filefactory.com/file/c0cca4a/n/Stage_2_Part_2A.zip</p>

Study Guide EE07 & EE011

What to study		Which exercises to do		What practical to do	Resources		
Main study	Additional study	Main exercise	Additional exercises				
EE07 Unit	EE011 Unit	For EE07+EE011 +Video	Study Option (1) EE-07	Study Option (2) EE-07	for EE011		
	UEENEEO63A	See 5 below	See 6 below	See 7 below	See 8 below	See 9 below	See 10 below

	Arrange circuits, control and protection for general electrical installations						
Study Option 1	Study Option 1	EE01 = EE07 + Additional 1					
See 1 below	See 3 below						
Study Option 2	Study Option 2						
See 2 below	See 4 below						

1	
2	
3	
4	
5	<p><u>Electrical wiring + Electrical Installation requirement</u></p> <p><u>G003+G004+G007 Lesson 1 Electrical installation protection.zip</u></p> <p><u>http://www.filefactory.com/file/c35d2f2/n/G003_G004_G007_Lesson_1_Electrical_installation_protection.zip</u></p> <p><u>G003+G004+G007 Lesson 2 Electrical system safety.zip</u></p> <p><u>http://www.filefactory.com/file/cf937ac/n/G003_G004_G007_Le</u></p>

[Lesson 2 Electrical system safety.zip](#)

G003+G004+G007 Lesson 3 Heating+Cable ckt protection exercise.zip

http://www.filefactory.com/file/c0abfe8/n/G003_G004_G007_Lesson_3_Heating_Cable_ckt_protection_exercise.zip

[G003+G004+G007 Lesson 4 Wiring system.zip](#)

http://www.filefactory.com/file/cf939f0/n/G003_G004_G007_Lesson_4_Wiring_system.zip

[G003+G004+G007 Lesson 5 Hazardous area electrical system.zip](#)

http://www.filefactory.com/file/cf94af8/n/G003_G004_G007_Lesson_5_Hazardous_area_electrical_system.zip

[G003+G004+G007 Lesson 6 Overload protection RCD.zip](#)

http://www.filefactory.com/file/cf94bcf/n/G003_G004_G007_Lesson_6_Overload_protection_RCD.zip

[G003+G004+G007 Lesson 7 RCD + Metering.zip](#)

http://www.filefactory.com/file/cf94cae/n/G003_G004_G007_Lesson_7_RCD_Metering.zip

	<p>G003+G004+G007 Lesson 8 Switch board installation.zip</p> <p>http://www.filefactory.com/file/cf94c40/n/G003_G004_G007_Lesson_8_Switch_board_installation.zip</p> <p>G003+G004+G007 Lesson 9 Cable selection+Maximum demand.zip</p> <p>http://www.filefactory.com/file/cf94dbb/n/G003_G004_G007_Lesson_9_Cable_selection_Maximum_demand.zip</p> <p>G003+G004+G007 Lesson 10 Electrical installation safety testing.zip</p> <p>http://www.filefactory.com/file/cf94123/n/G003_G004_G007_Lesson_10_Electrical_installation_safety_testing.zip</p>
6	
7	<p>EE07 & EE011 units mapping for Theory study & Exercises</p> <p>Only face to face class assessment</p>
8	Only face to face class assessment
9	<p>EE07 & EE011 units mapping for Theory study & Exercises</p> <p>Attend face to face class</p> <p>PRACTICAL</p> <p>Workshop 2+3</p> <p>WorkShop_Part_2_Practical_1_to_6_.zip</p> <p>WorkShop_Part_2_Practical_7_to_12_.zip</p> <p>WorkShop_Part_2_Practical_13_to_17_.zip</p> <p>WorkShop_Part_2_Practical_18_to_21_.zip</p> <p>ElectricalWorkshopPart3_G008_Group1Machine_.zip</p>

	<p>ElectricalWorkshopPart3_G008_Group2LineProtection_.zip</p> <p>ElectricalWorkshopPart3_G008_Group3InstrumentsDevices_.zip</p> <p>OTHER PRACTICALS</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>G003_G004_G009Practicals.pdf IN THE LINK INDICATED IN ROLL 11</p>
1 0	<p>Construction ElectricalSafety.zip</p> <p>InserviceTesting.zip</p> <p>Wiring_Notes_1. Wiring_Notes_2 Switchboard_Wiring 1Wiring_E033_E008 2Wiring_E033_E008</p> <p>IN THE LINK INDICATED IN ROLL 11</p>
1 1	<p><u>BACK UP FOR 9 & 10</u></p> <p>Stage 2 Part 1B.zip http://www.filefactory.com/file/c0ccac0/n/Stage_2_Part_1B.zip</p> <p>Stage 2 Part 3.zip http://www.filefactory.com/file/c0ccb1f/n/Stage_2_Part_3.zip</p> <p>Stage 2 Part 6.zip http://www.filefactory.com/file/c0cccc0/n/Stage_2_Part_6.zip</p> <p>Stage 3 Part 3.zip http://www.filefactory.com/file/c0ccd44/n/Stage_3_Part_3.zip</p> <p>Stage 3 Part 4.zip http://www.filefactory.com/file/c0ccd9a/n/Stage_3_Part_4.zip</p> <p>Stage 4 Part 8.zip http://www.filefactory.com/file/c0cc5a1/n/Stage_4_Part_8.zip</p> <p>Stage 4 Part 9.zip http://www.filefactory.com/file/c0cc5db/n/Stage_4_Part_9.zip</p> <p>Stage 4 Part 10.zip http://www.filefactory.com/file/c0cc5f8/n/Stage_4_Part_10.zip</p> <p>Stage 3 Part 5.zip http://www.filefactory.com/file/c0ccefd/n/Stage_3_Part_5.zip</p> <p>Stage 3 Part 8.zip http://www.filefactory.com/file/c0ccf09/n/Stage_3_Part_8.zip</p> <p>Stage 3 Part 9.zip http://www.filefactory.com/file/c0ccf48/n/Stage_3_Part_9.zip</p>

Study Guide EE07 & EE011

What to study		Which exercises to do				What practical to do	Resources
Main study		Additional study	Main exercise		Additional exercises for EE011		
EE07 Unit	EE011 Unit		For EE07+EE011 +Video	Study Option (1) EE-07		Study Option (2) EE-07	
UEENEEG 007A Select wiring systems and cables for low voltage general electrical installations	UEENEEG 107A Select wiring systems and cables for low voltage general electrical installations	See 5 below		See 6 below	See 7 below	See 8 below	See 9 below
Study Option 1	Study Option 1	EE011 = EE07 + Additional					
See 1 below	See 3 below						
Study Option 2	Study Option 2						
See 2 below	See 4 below						

1	http://www.filefactory.com/file/c0b67b7/n/Electrical_Workshop_Wiring_E001_2_3_4_5_7_8_33_G003_4_7.zip
2	AS3000-2007Overview.zip AS3000_AS3008TablesExtract.zip WiringRules.zip

	<p>Part (1) Study the following notes</p> <p>Installation_Requirement_1-A.zip</p> <p>Installation_Requirement_1-B.zip</p> <p>Installation_Requirement_2-A.zip</p> <p>Installation_Requirement_2-B.zip</p> <p>Stage_2_Wiring.zip</p> <p>In</p> <p>Stage 2 Part 3.zip http://www.filefactory.com/file/c0ccb1f/n/Stage_2_Part_3.zip</p> <p>Stage 2 Part 6.zip http://www.filefactory.com/file/c0cccc0/n/Stage_2_Part_6.zip</p> <p>Stage 3 Part 1B.zip http://www.filefactory.com/file/c0ccc42/n/Stage_3_Part_1B.zip</p> <p>Stage 3 Part 3.zip http://www.filefactory.com/file/c0ccd44/n/Stage_3_Part_3.zip</p> <p>Stage 3 Part 4.zip http://www.filefactory.com/file/c0ccd9a/n/Stage_3_Part_4.zip</p> <p>Stage 3 Part 5.zip http://www.filefactory.com/file/c0ccefd/n/Stage_3_Part_5.zip</p> <p>Stage 3 Part 6.zip http://www.filefactory.com/file/c0cce63/n/Stage_3_Part_6.zip</p> <p>Stage 3 Part 9.zip http://www.filefactory.com/file/c0ccf48/n/Stage_3_Part_9.zip</p> <p>Stage 4 Part 7.zip http://www.filefactory.com/file/c0cc479/n/Stage_4_Part_7.zip</p> <p>Stage 4 Part 8.zip http://www.filefactory.com/file/c0cc5a1/n/Stage_4_Part_8.zip</p> <p>Stage 4 Part 9.zip http://www.filefactory.com/file/c0cc5db/n/Stage_4_Part_9.zip</p> <p>Stage 4 Part 14.zip http://www.filefactory.com/file/c0cc684/n/Stage_4_Part_14.zip</p>
3	<p>http://www.filefactory.com/file/c0b67b7/n/Electrical_Workshop_Wiring_E001_2_3_4_5_7_8_33_G003_4_7.zip</p>
4	<p>AS3000-2007Overview.zip</p> <p>AS3000_AS3008TablesExtract.zip</p> <p>WiringRules.zip</p> <p>Part (1) Study the following notes</p>

	<p>Installation_Requirement_1-A.zip</p> <p>Installation_Requirement_1-B.zip</p> <p>Installation_Requirement_2-A.zip</p> <p>Installation_Requirement_2-B.zip</p> <p>Stage_2_Wiring.zip</p> <p>in</p> <p>www.electricaldiploma2013.zoomshare.com</p> <p>AUSTRALIAN ELECTRICIAN TRAINING</p>
5	<p><u>G007</u></p> <p>G007 Lesson 1 AS3000 Wiring rule overview.zip</p> <p>http://www.filefactory.com/file/cf94220/n/G007_Lesson_1_AS3000_Wiring_rule_overview.zip</p> <p>G007 Lesson 2 Maximum Demand calculation.zip</p> <p>http://www.filefactory.com/file/cf9456f/n/G007_Lesson_2_Maximum_Demand_calculation.zip</p> <p>G007 Lesson 3 Cable selection.zip</p> <p>http://www.filefactory.com/file/cf9465c/n/G007_Lesson_3_Cable_selection.zip</p> <p>G007 Lesson 4 Cable voltage drop calculation.zip</p> <p>http://www.filefactory.com/file/cf9479e/n/G007_Lesson_4_Cable_voltage_drop_calculation.zip</p> <p>G007 Lesson 5 Derating of cable part 1.zip</p> <p>http://www.filefactory.com/file/cf95acb/n/G007_Lesson_5_Derating_of_cable_part_1.zip</p> <p>G007 Lesson 6 Derating of cable part 2.zip</p> <p>http://www.filefactory.com/file/cf95a6b/n/G007_Lesson_6_Derating_of_cable_part_2.zip</p>

	<p>ing_of_cable_part_2.zip</p> <p>G007 Lesson 7 Derating of cable for HRC fuse protection.zip</p> <p>http://www.filefactory.com/file/cf95cd7/n/G007_Lesson_7_Derating_of_cable_for_HRC_fuse_protection.zip</p> <p>G007 Lesson 8 Final subcircuit fault loop impedance.zip</p> <p>http://www.filefactory.com/file/cf95dd1/n/G007_Lesson_8_Final_subcircuit_fault_loop_impedance.zip</p> <p><u>Electrical Installation requirement</u></p>
6	Click HERE to download the other exercises
7	<p>EE07 & EE011 units mapping for Theory study & Exercises</p> <p>Do the assignments from the following book & submit the assignment (1) Cable Installation.zip</p> <p>Do the assignments from the following book & submit the assignment (2) Regulatory Requirement.zip</p>
8	http://www.filefactory.com/file/3qun68epu0lp/n/Advanced_Diploma_in_Electrical_Engineering_Exercises_EE011.pdf
9	<p>EE07 & EE011 units mapping for Theory study & Exercises</p> <p>PRACTICAL</p> <p>Workshop 2+3</p> <p>WorkShop_Part_2_Practical_1_to_6_.zip</p> <p>WorkShop_Part_2_Practical_7_to_12_.zip</p> <p>WorkShop_Part_2_Practical_13_to_17_.zip</p> <p>WorkShop_Part_2_Practical_18_to_21_.zip</p> <p>ElectricalWorkshopPart3_G008_Group1Machine_.zip</p> <p>ElectricalWorkshopPart3_G008_Group2LineProtection_.zip</p> <p>ElectricalWorkshopPart3_G008_Group3InstrumentsDevices_.zip</p> <p>OTHER PRACTICALS</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>G003_G004_G009Practicals.pdf</p> <p>In</p> <p>www.electricaldiploma2013.zoomshare.com</p> <p>AUSTRALIAN ELECTRICIAN TRAINING</p>
1 0	
1 1	<p><u>BACK UP FOR 9 & 10</u></p> <p>Stage 2 Part 1B.zip http://www.filefactory.com/file/c0ccac0/n/Stage_2_Part_1B.zip</p> <p>Stage 2 Part 3.zip http://www.filefactory.com/file/c0ccb1f/n/Stage_2_Part_3.zip</p> <p>Stage 2 Part 6.zip http://www.filefactory.com/file/c0cccc0/n/Stage_2_Part_6.zip</p> <p>Stage 3 Part 3.zip http://www.filefactory.com/file/c0ccd44/n/Stage_3_Part_3.zip</p> <p>Stage 3 Part 4.zip http://www.filefactory.com/file/c0ccd9a/n/Stage_3_Part_4.zip</p> <p>Stage 3 Part 5.zip http://www.filefactory.com/file/c0ccefd/n/Stage_3_Part_5.zip</p> <p>Stage 3 Part 8.zip http://www.filefactory.com/file/c0ccf09/n/Stage_3_Part_8.zip</p> <p>Stage 3 Part 9.zip http://www.filefactory.com/file/c0ccf48/n/Stage_3_Part_9.zip</p> <p>Stage 4 Part 7.zip http://www.filefactory.com/file/c0cc479/n/Stage_4_Part_7.zip</p> <p>Stage 4 Part 8.zip http://www.filefactory.com/file/c0cc5a1/n/Stage_4_Part_8.zip</p> <p>Stage 4 Part 9.zip http://www.filefactory.com/file/c0cc5db/n/Stage_4_Part_9.zip</p> <p>Stage 4 Part 10.zip http://www.filefactory.com/file/c0cc5f8/n/Stage_4_Part_10.zip</p>

Study Guide EE07 & EE011

What to study		Which exercises to do		What practical to do	Resources		
Main study		Additional study	Main exercise		Additional exercises for EE011		
EE07 Unit	EE011 Unit		Study Option (1) EE-07	Study Option (2) EE-07			
UEENEEG 003A Install low voltage wiring and accessories	UEENEEG 103A Install low voltage wiring and accessories	See 5 below	See 6 below	See 7 below	See 8 below	See 9 below	See 10 below
Study Option 1	Study Option 1	EE01 = EE07 1 + Additional					
See 1 below	See 3 below						
Study Option 2	Study Option 2						
See 2 below	See 4 below						

1	http://www.filefactory.com/file/c0b67b7/n/Electrical_Workshop_Wiring_E001_2_3_4_5_7_8_33_G003_4_7.zip
2	
3	http://www.filefactory.com/file/c0b67b7/n/Electrical_Workshop_Wiring_E001_2_3_4_5_7_8_33_G003_4_7.zip G103+104 Notes+Lessons http://www.filefactory.com/file/2bg8qift6nzh/n/G103_G104_zip
4	Wiring_Notes_1. Wiring_Notes_2 Switchboard_Wiring

1Wiring_E033_E008

2Wiring_E033_E008

Fixing Equipments

E002_E005.zip Lighting.zip

E_trade_1.zip

E_trade_2.zip

E_trade_3.zip

E_trade_4.zip

G008_General_Notes_1.zip

G008_General_Notes_2.zip

Hazard_Identification.zip

G003_G004_Wiring_2_Part_1.zip

G003_G004_Wiring_2_Part_2.zip

Cable_CktProt_E_Accessories.zip

Cable_Conduit_E_Accessories.zip

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

	<p>PanelRCDWireSpecial_Installation.zip</p> <p>ProtectionMethods.zip</p> <p>in</p> <p>www.electricaldiploma2013.zoomshare.com</p> <p>AUSTRALIAN ELECTRICIAN TRAINING</p>
5	<p><u>Electrical wiring + Electrical Installation requirement</u></p> <p>G003+G004+G007 Lesson 1 Electrical installation protection.zip</p> <p>http://www.filefactory.com/file/c35d2f2/n/G003_G004_G007_Lesson_1_Electrical_installation_protection.zip</p> <p>G003+G004+G007 Lesson 2 Electrical system safety.zip</p> <p>http://www.filefactory.com/file/cf937ac/n/G003_G004_G007_Lesson_2_Electrical_system_safety.zip</p> <p>G003+G004+G007 Lesson 3 Heating+Cable ckt protection exercise.zip</p> <p>http://www.filefactory.com/file/c0abfe8/n/G003_G004_G007_Lesson_3_Heating_Cable_ckt_protection_exercise.zip</p> <p>G003+G004+G007 Lesson 4 Wiring system.zip</p> <p>http://www.filefactory.com/file/cf939f0/n/G003_G004_G007_Lesson_4_Wiring_system.zip</p> <p>G003+G004+G007 Lesson 5 Hazardous area electrical system.zip</p> <p>http://www.filefactory.com/file/cf94af8/n/G003_G004_G007_Lesson_5_Hazardous_area_electrical_system.zip</p> <p>G003+G004+G007 Lesson 6 Overload protection RCD.zip</p> <p>http://www.filefactory.com/file/cf94bcf/n/G003_G004_G007_Lesson_6_Overload_protection_RCD.zip</p> <p>G003+G004+G007 Lesson 7 RCD + Metering.zip</p> <p>http://www.filefactory.com/file/cf94cae/n/G003_G004_G007_Lesson_7_RCD_Metering.zip</p> <p>G003+G004+G007 Lesson 8 Switch board installation.zip</p> <p>http://www.filefactory.com/file/cf94c40/n/G003_G004_G007_Lesson_8_Switch_board_installation.zip</p> <p>G003+G004+G007 Lesson 9 Cable selection+Maximum demand.zip</p>

	<p>http://www.filefactory.com/file/cf94dbb/n/G003_G004_G007_Lesson_9_Cable_selection_Maximum_demand.zip</p> <p>G003+G004+G007 Lesson 10 Electrical installation safety testing.zip</p> <p>http://www.filefactory.com/file/cf94123/n/G003_G004_G007_Lesson_10_Electrical_installation_safety_testing.zip</p>
6	<p>Click HERE to download the other exercises</p>
7	<p>EE07 & EE011 units mapping for Theory study & Exercises</p> <p>Assessment Read the above notes files and do the assignments for the following tutorial file.</p> <p>WiringPracticals.zip</p> <p>G003G004Tutorial.zip</p> <p>in</p> <p>www.electricaldiploma2013.zoomshare.com</p> <p>AUSTRALIAN ELECTRICIAN TRAINING</p>
8	<p>http://www.filefactory.com/file/3qun68epu0lp/n/Advanced_Diploma_in_Electrical_Engineering_Exercises_EE011.pdf</p>
9	<p>EE07 & EE011 units mapping for Theory study & Exercises</p> <p>Attend the face to face class</p> <p>PRACTICAL</p> <p>http://www.filefactory.com/file/54l4d5rif1z3/n/Advanced_Wiring_Part_1.zip</p> <p><u>Advanced Wiring Part 1+2—G103</u></p> <p>http://www.filefactory.com/file/1xb18xg1gaz1/n/Advanced_Wiring_Part_1_and_2.zip</p> <p><u>Electrical Installation Safety Testing</u></p> <p>http://www.filefactory.com/file/5mv9s6dx174h/n/Electrical_Installation_Safety_Testing.zip</p> <p>Workshop 2+3</p> <p>WorkShop_Part_2_Practical_1_to_6_.zip</p> <p>WorkShop_Part_2_Practical_7_to_12_.zip</p> <p>WorkShop_Part_2_Practical_13_to_17_.zip</p>

	<p>WorkShop_Part_2_Practical_18_to_21_.zip</p> <p>ElectricalWorkshopPart3_G008_Group1Machine_.zip</p> <p>ElectricalWorkshopPart3_G008_Group2LineProtection_.zip</p> <p>ElectricalWorkshopPart3_G008_Group3InstrumentsDevices_.zip</p> <p>OTHER PRACTICALS</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>G003_G004_G009Practicals.pdf</p>
1 0	<p>Stage 3 Part 8.zip</p> <p>http://www.filefactory.com/file/c0ccf09/n/Stage_3_Part_8.zip</p> <p>Power Distribution Trade Power_Distribution_Trade.zip</p> <p>Metering Metering.zip</p>
1 1	<p><u>BACK UP FOR 9 & 10</u></p> <p>Stage 2 Part 1B.zip http://www.filefactory.com/file/c0ccac0/n/Stage_2_Part_1B.zip</p> <p>Stage 2 Part 3.zip http://www.filefactory.com/file/c0ccb1f/n/Stage_2_Part_3.zip</p> <p>Stage 2 Part 6.zip http://www.filefactory.com/file/c0cccc0/n/Stage_2_Part_6.zip</p> <p>Stage 3 Part 3.zip http://www.filefactory.com/file/c0ccd44/n/Stage_3_Part_3.zip</p> <p>Stage 3 Part 4.zip http://www.filefactory.com/file/c0ccd9a/n/Stage_3_Part_4.zip</p> <p>Stage 3 Part 5.ziphttp://www.filefactory.com/file/c0ccefd/n/Stage_3_Part_5.zip</p> <p>Stage 3 Part 8.zip http://www.filefactory.com/file/c0ccf09/n/Stage_3_Part_8.zip</p> <p>Stage 3 Part 9.zip http://www.filefactory.com/file/c0ccf48/n/Stage_3_Part_9.zip</p> <p>Stage 4 Part 7.ziphttp://www.filefactory.com/file/c0cc479/n/Stage_4_Part_7.zip</p> <p>Stage 4 Part 8.zip http://www.filefactory.com/file/c0cc5a1/n/Stage_4_Part_8.zip</p> <p>Stage 4 Part 9.zip http://www.filefactory.com/file/c0cc5db/n/Stage_4_Part_9.zip</p> <p>Stage 4 Part 10.zip http://www.filefactory.com/file/c0cc5f8/n/Stage_4_Part_10.zip</p>

Study Guide EE07 & EE011

What to study		Which exercises to do		What practical to do	Resources		
Main study	Additional study	Main exercise				Additional exercises for EE011	
EE07 Unit	EE011 Unit	For EE07+EE011 +Video	Study Option (1) EE-07	Study Option (2) EE-07			
	UEENEEG033A Solve problems in single and three phase low voltage electrical apparatus and circuits	See 5 below	See 6 below	See 7 below	See 8 below	See 9 below	See 10 below
Study Option 1	Study Option 1	$EE011 = EE07 + \text{Additional}$					
See 1 below	See 3 below						
Study Option 2	Study Option 2						
See 2 below	See 4 below						

1	
2	
3	<p>http://www.filefactory.com/file/c0b67b7/n/Electrical_Workshop_Wiring_E001_2_3_4_5_7_8_33_G003_4_7.zip</p> <p>G033</p> <p>http://www.filefactory.com/file/1b2utxydvcx7/n/G033_zip</p>

4	<p>Wiring_Notes_1. Wiring_Notes_2 Switchboard_Wiring 1Wiring_E033_E008 2Wiring_E033_E008 Fixing Equipments E002_E005.zip Lighting.zip E_trade_1.zip E_trade_2.zip E_trade_3.zip E_trade_4.zip G008_General_Notes_1.zip G008_General_Notes_2.zip Hazard_Identification.zip G003_G004_Wiring_2_Part_1.zip G003_G004_Wiring_2_Part_2.zip Cable_CktProt_E_Accessories.zip Cable_Conduit_E_Accessories.zip 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</p> <p>ProtectionMethods.zip</p> <p>In</p> <p>www.electricaldiploma2013.zoomshare.com</p> <p>AUSTRALIAN ELECTRICIAN TRAINING</p>
5	<p><u>Electrical wiring + Electrical Installation requirement</u></p> <p>G003+G004+G007 Lesson 1 Electrical installation protection.zip</p> <p>http://www.filefactory.com/file/c35d2f2/n/G003_G004_G007_Lesson_1_Electrical_installation_protection.zip</p> <p>G003+G004+G007 Lesson 2 Electrical system safety.zip</p>

http://www.filefactory.com/file/cf937ac/n/G003_G004_G007_Lesson_2_Electrical_system_safety.zip

[G003+G004+G007 Lesson 3 Heating+Cable ckt protection exercise.zip](#)

http://www.filefactory.com/file/c0abfe8/n/G003_G004_G007_Lesson_3_Heating_Cable_ckt_protection_exercise.zip

[G003+G004+G007 Lesson 4 Wiring system.zip](#)

http://www.filefactory.com/file/cf939f0/n/G003_G004_G007_Lesson_4_Wiring_system.zip

[G003+G004+G007 Lesson 5 Hazardous area electrical system.zip](#)

http://www.filefactory.com/file/cf94af8/n/G003_G004_G007_Lesson_5_Hazardous_area_electrical_system.zip

[G003+G004+G007 Lesson 6 Overload protection RCD.zip](#)

http://www.filefactory.com/file/cf94bcf/n/G003_G004_G007_Lesson_6_Overload_protection_RCD.zip

[G003+G004+G007 Lesson 7 RCD + Metering.zip](#)

http://www.filefactory.com/file/cf94cae/n/G003_G004_G007_Lesson_7_RCD_Metering.zip

[G003+G004+G007 Lesson 8 Switch board installation.zip](#)

http://www.filefactory.com/file/cf94c40/n/G003_G004_G007_Lesson_8

	<p>Switch board installation.zip</p> <p>G003+G004+G007 Lesson 9 Cable selection+Maximum demand.zip</p> <p>http://www.filefactory.com/file/cf94dbb/n/G003_G004_G007_Lesson_9_Cable_selection_Maximum_demand.zip</p> <p>G003+G004+G007 Lesson 10 Electrical installation safety testing.zip</p> <p>http://www.filefactory.com/file/cf94123/n/G003_G004_G007_Lesson_10_Electrical_installation_safety_testing.zip</p> <p>Electrical wiring + Electrical Installation requirement</p>
6	Click HERE to download the other exercises
7	<p>EE07 & EE011 units mapping for Theory study & Exercises</p> <p>Assessment</p> <p>Read the above notes files and do the assignments for the following tutorial file.</p> <p>WiringPracticals.zip</p> <p>G003G004Tutorial.zip</p> <p>www.electricaldiploma2013.zoomshare.com</p> <p>AUSTRALIAN ELECTRICIAN TRAINING</p>
8	http://www.filefactory.com/file/3qun68epu0lp/n/Advanced_Diploma_in_Electrical_Engineering_Exercises_EE_011_pdf
9	<p>Attend the face to face class</p> <p>http://www.filefactory.com/file/2f8e3fph9trr/n/G106_G033_Practical_zip</p>
10	<p>Power Distribution Trade Power_Distribution_Trade.zip</p> <p>Metering Metering.zip</p> <p>PRACTICAL</p> <p>Workshop 2+3</p> <p>WorkShop_Part_2_Practical_1_to_6_.zip</p>

	<p>WorkShop_Part_2_Practical_7_to_12_.zip</p> <p>WorkShop_Part_2_Practical_13_to_17_.zip</p> <p>WorkShop_Part_2_Practical_18_to_21_.zip</p> <p>ElectricalWorkshopPart3_G008_Group1Machine_.zip</p> <p>ElectricalWorkshopPart3_G008_Group2LineProtection_.zip</p> <p>ElectricalWorkshopPart3_G008_Group3InstrumentsDevices_.zip</p> <p>OTHER PRACTICALS</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>G003_G004_G009Practicals.pdf</p> <p>In</p> <p>www.electricaldiploma2013.zoomshare.com</p> <p>AUSTRALIAN ELECTRICIAN TRAINING</p>
<p>1</p> <p>1</p>	<p><u>BACK UP FOR 9 & 10</u></p> <p>Stage 2 Part 1B.zip http://www.filefactory.com/file/c0ccac0/n/Stage_2_Part_1B.zip</p> <p>Stage 2 Part 3.zip http://www.filefactory.com/file/c0ccb1f/n/Stage_2_Part_3.zip</p> <p>Stage 2 Part 6.zip http://www.filefactory.com/file/c0cccc0/n/Stage_2_Part_6.zip</p> <p>Stage 3 Part 3.zip http://www.filefactory.com/file/c0ccd44/n/Stage_3_Part_3.zip</p> <p>Stage 3 Part 4.zip http://www.filefactory.com/file/c0ccd9a/n/Stage_3_Part_4.zip</p> <p>Stage 3 Part 5.zip http://www.filefactory.com/file/c0ccefd/n/Stage_3_Part_5.zip</p> <p>Stage 3 Part 8.zip http://www.filefactory.com/file/c0ccf09/n/Stage_3_Part_8.zip</p> <p>Stage 3 Part 9.zip http://www.filefactory.com/file/c0ccf48/n/Stage_3_Part_9.zip</p> <p>Stage 4 Part 7.zip http://www.filefactory.com/file/c0cc479/n/Stage_4_Part_7.zip</p> <p>Stage 4 Part 8.zip http://www.filefactory.com/file/c0cc5a1/n/Stage_4_Part_8.zip</p> <p>Stage 4 Part 9.zip http://www.filefactory.com/file/c0cc5db/n/Stage_4_Part_9.zip</p>

Stage 4 Part 10.zip http://www.filefactory.com/file/c0cc5f8/n/Stage_4_Part_10.zip

Study Guide EE07 & EE011

What study to		Additional study		Which exercises to do		What practical to do	Resources
Main study	EE07 Unit	EE011 Unit	For EE07+EE011 +Video	Main exercise	Additional exercises for EE011		
EE07 Unit	EE011 Unit	For EE07+EE011 +Video	Study Option (1) EE-07	Study Option (2) EE-07	Additional exercises for EE011	What practical to do	Resources
	UEENEEG108A Troubleshoot and repair faults in low voltage electrical apparatus and circuits	See 5 below	See 6 below	See 7 below	See 8 below	See 9 below	See 10 below
Study Option 1	Study Option 1	$EE011 = EE07 + \text{Additional}$					
See 1 below	See 3 below						
Study Option 2	Study Option 2						
See 2 below	See 4 below						

1	
2	
3	
4	G008_General_Notes_1.zip G008_General_Notes_2.zip

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

ESI_33.3_Harmoniceffect_on_machines
ESI_3.1_HV_Measurement_Cable_Test.zip

ESI_3.2_Magnetic_measurement.zip
ESI_3.3_Power_measurement.zip

ESI_3.4_RLC_measurement_1.zip
ESI_3.4_RLC_measurement_2.zip
ESI_3.4_RLC_measurement_3.zip

ESI_3.5_Digital equipments.zip ESI_3.6_V.A.W_meter.zip
ESI_3.7T_and_M.zip ESI_3.8_Thermography.zip

ESI_4_11_Power_Transformer.zip
ESI_5_Machinery_Installation.zip
ESI_7_Drawing_Switching_Diagram.zip

ESI_7_Electrical_Installation_Design.zip

ESI10.1_HV equipments.zip

ESI10.2_Substation equipments.zip

ESI12_14_Harmonic.zip

ESI12_14_Reactor.zip

ESI12_14_Syn_Motor_Generator.zip

ESI_13_Voltage_regulation_devices.zip
In

	<p>www.electricaldiploma2013.zoomshare.com</p> <p>AUSTRALIAN ELECTRICIAN TRAINING</p> <p>&</p> <p>ADVANCED DIPLOMA OF ELECTRICITY SUPPLY INDUSTRY</p>
5	<p><u>Fault finding + Electrical control equipments</u> <u>G008+G009</u></p> <p>G008+G009 Lesson 1 AC Machine+AC motor control.zip</p> <p>http://www.filefactory.com/file/c0a683c/n/G008_G009_Lesson_1_AC_Machine_AC_motor_control.zip</p> <p>G008+G009 Lesson 2 Synchronous machine+DC machine+Transformer.zip</p> <p>http://www.filefactory.com/file/c0a7ad3/n/G008+G009_Lesson_2_Synchronous_machine+DC_machine+Transformer.zip</p>
6	
7	<p>EE07 & EE011 units mapping for Theory study & Exercises</p> <p>Class test</p>
8	<p>PRACTICAL</p> <p>Workshop 2+3</p> <p>WorkShop_Part_2_Practical_1_to_6_.zip WorkShop_Part_2_Practical_7_to_12_.zip WorkShop_Part_2_Practical_13_to_17_.zip</p> <p>WorkShop_Part_2_Practical_18_to_21_.zip</p> <p>ElectricalWorkshopPart3_G008_Group1Machine_.zip ElectricalWorkshopPart3_G008_Group2LineProtection_.zip</p> <p>ElectricalWorkshopPart3_G008_Group3InstrumentsDevices_.zip</p> <p>OTHER PRACTICALS</p> <p>ELECTRICAL_WORKSHOP_PART_2_G003_G004_G009_.zip</p> <p>Electrical_Workshop_Part_2_Practical_1_to_18.zip Electrical_Workshop_Part_2_Practical_19_to_21.zip</p> <p>G003_G004_G009Practicals.pdf</p> <p>In</p>

	www.electricaldiploma2013.zoomshare.com AUSTRALIAN ELECTRICIAN TRAINING
9	EE07 & EE011 units mapping for Theory study & Exercises Attend the face to face class
10	
11	<u>BACK UP FOR 4</u> <u>Stage 3 Part 3.zip</u> http://www.filefactory.com/file/c0ccd44/n/Stage_3_Part_3.zip <u>Stage 4 Part 15.zip</u> http://www.filefactory.com/file/c0cc7cb/n/Stage_4_Part_15.zip <u>Stage 4 Part 17.zip</u> http://www.filefactory.com/file/c0cc76b/n/Stage_4_Part_17.zip <u>Stage 4 Part 7.zip</u> http://www.filefactory.com/file/c0cc479/n/Stage_4_Part_7.zip <u>Stage 4 Part 14.zip</u> http://www.filefactory.com/file/c0cc684/n/Stage_4_Part_14.zip

Study Guide EE07 & EE011

What to study		Which exercises to do				What practical to do	Resources
Main study		Additional study	Main exercise		Additional exercises for EE011		
EE07 Unit	EE011 Unit		For EE07+EE011 +Video	Study Option (1) EE-07		Study Option (2) EE-07	
	UEENE109A Develop and connect electrical control circuits	See 5 below	See 6 below	See 7 below	See 8 below	See 9 below	See 10 below
Study Option 1	Study Option 1						
See 1 below	See 3 below						

w	
Study Option 2	Study Option 2
See 2 below	See 4 below

1	
2	
3	
4	<p>G009.zip</p> <p>G043_G045_7762AF_Notes</p> <p>G043_G045_Part_1_7762AF_Notes</p> <p>H085_66_I006_Note_1_Sensors_1</p> <p>H085_66_I006_Note_2_Sensors_2</p> <p>H085_66_I006_Note_3_Sensors_3</p> <p>H085_66_I006_Note_4_Control_Concept1</p> <p>H085_66_I006_Note_5_Control_Concept2</p> <p>H085_66_I006_Note_6_Electronics_Signal</p> <p>H085_66_I006_Note_8_Process_Control_1</p> <p>H085_66_I006_Note_9_Process_Control_2</p> <p>ProcessControlCkt1.zip</p> <p>ProcessControlCkt2.zip</p> <p>ProcessControlCkt3.zip</p> <p>H026_3_Ph_Power_Control_Electronics_1</p> <p>H026_3_Ph_Power_Control_Electronics_2</p> <p>H026_3_Ph_Power_Control_Electronics_3</p> <p>H026_3_Ph_Power_Control_Electronics_4</p> <p>ESI_27_1_Relay_Principle_1.zip</p> <p>ESI_27_1_Relay_Principle_2.zip</p> <p>ESI_27_1_Relay_Principle_3.zip</p> <p>ESI_27.2_Element_of_Relay_Protection.zip</p> <p>ESI12_14_Syn_Motor_Generator.zip</p>

	<p>ESI_19.1_Computer_Control.zip</p> <p>ESI_19.4_Turbine_Control.zip</p> <p>ESI_22.2_Voltage_surge_control.zip</p> <p>In</p> <p>Stage 4 Part 14.zip http://www.filefactory.com/file/c0cc684/n/Stage_4_Part_14.zip</p> <p>Stage 4 Part 15.zip http://www.filefactory.com/file/c0cc7cb/n/Stage_4_Part_15.zip</p> <p>Stage 4 Part 1A.zip http://www.filefactory.com/file/c0cc226/n/Stage_4_Part_1A.zip & www.electricaldiploma2013.zoomshare.com ADVANCED DIPLOMA OF ELECTRICITY SUPPLY INDUSTRY</p>
5	<p>Fault finding + Electrical control equipments G008+G009</p> <p>G008+G009 Lesson 1 AC Machine+AC motor control.zip</p> <p>http://www.filefactory.com/file/c0a683c/n/G008_G009_Lesson_1_AC_Machine_AC_motor_control.zip</p> <p>G008+G009 Lesson 2 Synchronous machine+DC machine+Transformer.zip</p> <p>http://www.filefactory.com/file/c0a7ad3/n/G008+G009_Lesson_2_Synchronous_machine+DC_machine+Transformer.zip</p>
6	
7	<p>EE07 & EE011 units mapping for Theory study & Exercises</p> <p>Concurrently assessed with G043+G045+I006 & relevant EE011 units</p>
8	<p>http://www.filefactory.com/file/3qun68epu0lp/n/Advanced_Diploma_in_Electrical_Engineering_Exercises_EE011.pdf</p>
9	<p>EE07 & EE011 units mapping for Theory study & Exercises</p> <p>Attend face to face session</p> <p>PRACTICAL</p> <p>Workshop 2+3</p> <p>WorkShop_Part_2_Practical_1_to_6_.zip</p> <p>WorkShop_Part_2_Practical_7_to_12_.zip</p>

	<p>WorkShop_Part_2_Practical_13_to_17_.zip</p> <p>WorkShop_Part_2_Practical_18_to_21_.zip</p> <p>ElectricalWorkshopPart3_G008_Group1Machine_.zip</p> <p>ElectricalWorkshopPart3_G008_Group2LineProtection_.zip</p> <p>ElectricalWorkshopPart3_G008_Group3InstrumentsDevices_.zip</p> <p>OTHER PRACTICALS</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>G003_G004_G009Practicals.pdf</p> <p>www.electricaldiploma2013.zoomshare.com</p> <p>AUSTRALIAN ELECTRICIAN TRAINING</p>
1 0	
1 1	<p><u>BACK UP FOR 9 & 10</u></p> <p>Stage 3 Part 3.zip http://www.filefactory.com/file/c0ccd44/n/Stage_3_Part_3.zip</p> <p>Stage 4 Part 15.zip http://www.filefactory.com/file/c0cc7cb/n/Stage_4_Part_15.zip</p> <p>Stage 4 Part 17.zip http://www.filefactory.com/file/c0cc76b/n/Stage_4_Part_17.zip</p> <p>Stage 4 Part 7.zip http://www.filefactory.com/file/c0cc479/n/Stage_4_Part_7.zip</p> <p>Stage 4 Part 14.zip http://www.filefactory.com/file/c0cc684/n/Stage_4_Part_14.zip</p>

PART (2)
REFERENCE TEXT BOOKS & WEEKLY –LESSONS AT
ASSOCIATE DEGREE LEVEL (SELF STUDY)

TEXT BOOK- Textbooks can be copied from USBs & DVD.

Prescribed Texts:

TAFE NSW Higher Education 2012, *Engineering Practices (ENPRA101A) Lecture Notes and Workbook*, lecture notes distributed in Engineering Practices

Recommended Readings:

Hampson, J 2006, *Electrical Trade Principles*, Pearson Education Australia (Chapter 6)

Pethebridge, K & Neeson I 2009, *Electrical Wiring Practice Vol 1*, 7th or latest edition, McGraw Hill, Australia (Chapters 1, 4 and 7)

Pethebridge, K & Neeson I 2002, *Electrical Wiring Practice Vol 2*, 6th or latest edition, McGraw Hill, Australia (Section 22.6)

Standards Australia AS/NZS 3000: *Electrical installations (Wiring Rules)*

Standards Australia AS/NZS 3008 *Electrical installations—Selection of cables*

WEEK NO:	TOPICS AND ACTIVITIES
Orientation Week	Orientation activities Review of syllabus and assessment activities.
Week 1	CHAPTER 1 - GENERATION AND DISTRIBUTION OF ELECTRICAL ENERGY 1-1 Generation And Distribution Of Electrical Energy Text: Chapter 1 Pethebridge, K, Neeson, I 2009, <i>Electrical Wiring Practice Vol 1</i> , 7th edn, McGraw Hill, Australia
Week 2	CHAPTER 2 - INTRODUCTION TO THE REGULATORY SYSTEM 2-1 Electrical Industry Regulatory System 2-2 Workplace Health And Safety 2-3 Engineers Code of Ethics Reading List: Chapter 3 Pethebridge, K, Neeson, I 2009, <i>Electrical Wiring Practice Vol 1</i> , 7th edn, McGraw Hill, Australia Text: TAFE NSW Higher Education 2012, <i>Engineering Practices (ENPRA101A) Lecture Notes and Workbook</i> , lecture notes distributed in Engineering Practices (ENPRA101A)
Week 3	CHAPTER 3 CONTROL AND PROTECTION 3-1 Protection For Safety 3-2 Fault Loop Impedance 3-3 Fault Protection Devices Reading List: Chapter 8 Pethebridge, K, Neeson, I 2009, <i>Electrical Wiring Practice Vol 1</i> , 7th edn, McGraw Hill, Australia Chapter 10 Pethebridge, K, Neeson, I 2009, <i>Electrical Wiring Practice Vol 2</i> , 7th edn, McGraw Hill, Australia Text: TAFE NSW Higher Education 2012, <i>Engineering Practices (ENPRA101A) Lecture Notes and Workbook</i> , lecture notes distributed in Engineering Practices (ENPRA101A) Standards Australia 2007, <i>Wiring Rules, (AS/NZS 3000)</i> , Standards Australia, Sydney
Week 4	CHAPTER 3 CONTROL AND PROTECTION (Cont'd) 3-4 Fuses 3-5 Circuit Breakers 3-6 Residual Current Devices 3-7 Under-voltage and Overvoltage Protection

WEEK NO:	TOPICS AND ACTIVITIES
	<p>Reading List: Chapter 8 Pethebridge, K, Neeson, I 2009, <i>Electrical Wiring Practice Vol 1</i>, 7th edn, McGraw Hill, Australia Chapter 10 Pethebridge, K, Neeson, I 2009, <i>Electrical Wiring Practice Vol 2</i>, 7th edn, McGraw Hill, Australia</p> <p>Text: TAFE NSW Higher Education 2012, <i>Engineering Practices (ENPRA101A) Lecture Notes and Workbook</i>, lecture notes distributed in Engineering Practices (ENPRA101A) Standards Australia 2007, <i>Wiring Rules, (AS/NZS 3000)</i>, Standards Australia, Sydney</p>
Week 5	<p>CHAPTER 4 DRAWINGS AND SPECIFICATIONS</p> <p>4-1 Drawing Interpretation 4-2 Specification Writing</p> <p>Reading List: Chapter 6 Pethebridge, K, Neeson, I 2009, <i>Electrical Wiring Practice Vol 1</i>, 7th edn, McGraw Hill, Australia</p> <p>Text: TAFE NSW Higher Education 2012, <i>Engineering Practices (ENPRA101A) Lecture Notes and Workbook</i>, lecture notes distributed in Engineering Practices (ENPRA101A)</p>
Week 6	<p>CHAPTER 5 FASTENERS AND FASTENING METHODS</p> <p>5-1 Fasteners And Fastening Methods</p> <p>Reading List: Chapter 5 Pethebridge, K, Neeson, I 2009, <i>Electrical Wiring Practice Vol 1</i>, 7th edn, McGraw Hill, Australia</p> <p>Text: TAFE NSW Higher Education 2012, <i>Engineering Practices (ENPRA101A) Lecture Notes and Workbook</i>, lecture notes distributed in Engineering Practices (ENPRA101A)</p> <p>CHAPTER 6 WIRING SYSTEMS</p> <p>6-1 Factors Affecting the Suitability of Wiring Systems</p> <p>Reading List: Chapters 4, 5, and 7 Pethebridge, K, Neeson, I 2009, <i>Electrical Wiring Practice Vol 1</i>, 7th edn, McGraw Hill, Australia Chapter 14 Pethebridge, K, Neeson, I 2009, <i>Electrical Wiring Practice Vol 2</i>, 7th edn, McGraw Hill, Australia</p> <p>Text: TAFE NSW Higher Education 2012, <i>Engineering Practices (ENPRA101A) Lecture Notes and Workbook</i>, lecture notes distributed in Engineering Practices (ENPRA101A) Standards Australia 2007, <i>Wiring Rules, (AS/NZS 3000)</i>, Standards Australia, Sydney</p>

WEEK NO:	TOPICS AND ACTIVITIES
	Standards Australia 2009, <i>Selection of cables - Cables for alternating voltages up to and including 0.6/1 kV - Typical Australian installation conditions</i> , (AS/NZS 3008.1.1), Standards Australia, Sydney
Week 7	Examination Week A:
Week 8	<p>CHAPTER 6 WIRING SYSTEMS (Cont'd)</p> <p>6-2 Maximum demand</p> <p>Reading List: Chapter 14 Pethebridge, K, Neeson, I 2009, <i>Electrical Wiring Practice Vol 2</i>, 7th edn, McGraw Hill, Australia</p> <p>Text: TAFE NSW Higher Education 2012, <i>Engineering Practices (ENPRA101A) Lecture Notes and Workbook</i>, lecture notes distributed in Engineering Practices (ENPRA101A) Standards Australia 2007, <i>Wiring Rules</i>, (AS/NZS 3000), Standards Australia, Sydney Standards Australia 2009, <i>Selection of cables - Cables for alternating voltages up to and including 0.6/1 kV - Typical Australian installation conditions</i>, (AS/NZS 3008.1.1), Standards Australia, Sydney</p>
Week 9	<p>CHAPTER 6 WIRING SYSTEMS (Cont'd)</p> <p>6-3 Cable Selection Based On Current Carrying Capacity Requirements 6-4 Cable Selection Based On Voltage Drop Requirements 6-5 Cable Selection Based On Earth Fault Loop Impedance Requirements</p> <p>Reading List: Chapter 14 Pethebridge, K, Neeson, I 2009, <i>Electrical Wiring Practice Vol 2</i>, 7th edn, McGraw Hill, Australia</p> <p>Text: TAFE NSW Higher Education 2012, <i>Engineering Practices (ENPRA101A) Lecture Notes and Workbook</i>, lecture notes distributed in Engineering Practices (ENPRA101A) Standards Australia 2007, <i>Wiring Rules</i>, (AS/NZS 3000), Standards Australia, Sydney Standards Australia 2009, <i>Selection of cables - Cables for alternating voltages up to and including 0.6/1 kV - Typical Australian installation conditions</i>, (AS/NZS 3008.1.1), Standards Australia, Sydney</p>
Week 10	<p>CHAPTER 7 ILLUMINATION</p> <p>7-1 Basic Concepts 7-2 Lamps</p> <p>Reading List: Chapter 17 Pethebridge, K, Neeson, I 2009, <i>Electrical Wiring Practice Vol 2</i>, 7th edn, McGraw Hill, Australia</p> <p>Text: TAFE NSW Higher Education 2012, <i>Engineering Practices (ENPRA101A) Lecture Notes</i></p>

WEEK NO:	TOPICS AND ACTIVITIES
	<i>and Workbook</i> , lecture notes distributed in Engineering Practices (ENPRA101A)
Week 11	<p>CHAPTER 7 ILLUMINATION (Cont'd)</p> <p>7-3 Luminaires and Light Control</p> <p>7-4 Illumination – Basic Lighting Design</p> <p>Reading List: Chapter 17 Pethebridge, K, Neeson, I 2009, <i>Electrical Wiring Practice Vol 2</i>, 7th edn, McGraw Hill, Australia</p> <p>Text: TAFE NSW Higher Education 2012, <i>Engineering Practices (ENPRA101A) Lecture Notes and Workbook</i>, lecture notes distributed in Engineering Practices (ENPRA101A)</p>
Week 12	<p>CHAPTER 8 EMERGENCY SYSTEMS</p> <p>8-1 Introduction</p> <p>8-2 Cells and Batteries</p> <p>8-3 Emergency Power Supply Systems</p> <p>Reading List: Chapter 12 Pethebridge, K, Neeson, I 2009, <i>Electrical Wiring Practice Vol 2</i>, 7th edn, McGraw Hill, Australia</p> <p>Text: TAFE NSW Higher Education 2012, <i>Engineering Practices (ENPRA101A) Lecture Notes and Workbook</i>, lecture notes distributed in Engineering Practices (ENPRA101A)</p>
Week 13	<p>CHAPTER 8 EMERGENCY SYSTEMS (Cont'd)</p> <p>8-4 Emergency Lighting</p> <p>8-5 Fire Detection Systems</p> <p>TAFE NSW Higher Education 2012, <i>Engineering Practices (ENPRA101A) Lecture Notes and Workbook</i>, lecture notes distributed in Engineering Practices (ENPRA101A)</p>
Week 14	Study Week
Week 15	Examination week