

Diploma in Electrical Engineering Learning System

Aligned with

AUSTRALIA

UEE50411 Diploma of Electrical Engineering

NEW ZEALAND

National Diploma in Electrical Engineering (Advanced Trade) (Level 5) with strands in Electrotechnology Specialisation, Electrical Installation, and Industrial Electrical Engineering

Unit Code: EE201	Engineering Mathematics
Teaching Video	E050Part1.zip E050 Lesson 7 Mensuration+Area.zip E050 Lesson 8 Differentiation.zip E050 Lesson 9 Integration.zip E050 Lesson 10 Integration of trigo functions.zip E050 Lesson 11 Definite integral+Electrical application.zip E050 Lesson 11 Exercises.zip
Writing on whiteboard+Audio	Maths 1-E050+G047.zip
Exercise	E050 Tutorial.zip EXERCISES Page 39 to 64
Theory Practice Test	E050 E050 MCQ Practice 1 E050 MCQ Practice 2 E050 MCQ Practice 3 R050 MCQ Practice 4

Reference Resources + Textbooks	E050MathsCal1 E050MathsCal2 E050Maths3 E050Maths4 E050MathsCalTextBook
Australian Curriculum Units	
UEENEEE126A	Provide solutions to basic engineering computational problems
UEENEEE050B	Undertake computations in an electrotechnology environment

Unit Code: EE202	Electrical Circuits
Teaching Video	Advanced Electrical Circuits Power circuit analysis G048 Lesson 1 Mesh analysis+Source conversion.zip G048 Lesson 2 Thevenin Theorem.zip G048 Lesson 3 Nodal Analysis.zip G048 Lesson 4 Superposition Theorem.zip G048 Lesson 5 AC Network Analysis.zip G048 Lesson 6 Transient Circuit.zip
Writing on whiteboard+Audio	Circuit Class Lessons
Exercise	EXERCISES Page 182 to 192
Theory Practice Test	E025 E025 MCQ Practice 1 E025 MCQ Practice 2 E025 MCQ Practice 3 G048 G048 MCQ Practice 1 G048 MCQ Practice 2

Practical Practice	<u>Circuit Connection Assessment Number 9-3 Maximum power transfer theorem</u> <u>Max Power Transfer Theorem</u> http://www.filefactory.com/file/4qpk8qb6goel/n/Practical-E029-Maximum_power_transfer_theorem_pdf http://www.filefactory.com/file/6469w1062qp9/n/9-3_pdf http://www.filefactory.com/file/73qwp6qnoo2d/n/9_3_doc http://www.filefactory.com/file/1u2tpsifh6gd/n/9_3_xls <u>Circuit Connection Assessment Number 9-4 Series RLC Circuit</u> http://www.filefactory.com/file/3fm60y2rvbz/n/9_4_doc http://www.filefactory.com/file/4iu77mytdyud/n/9-4_xls http://www.filefactory.com/file/6hfnfilf019/n/9-4_pdf http://www.filefactory.com/file/7gouwwtxcxs5/n/Practical-E029-Series_RLC_Circuit_pdf <u>Circuit Connection Assessment Number 9-5 Super position theorem</u> http://www.filefactory.com/file/5pgfaxyy9sdj/n/Practical-E029-Superposition_theorem_pdf http://www.filefactory.com/file/5dknl0zfsst/n/9_5_doc http://www.filefactory.com/file/5f6y1scqtyzv/n/9-5_pdf http://www.filefactory.com/file/7dho8zsj1tyl/n/9_5_xls
Reference Resources + Textbooks	<u>G048 7769AC</u> <u>G048 Tutorials.zip</u> <u>G048 Full Part 1.zip</u> <u>G048Part2.zip</u> <u>E025 Circuits 1</u>

	E025 Circuits 2
Australian Curriculum Units	
UEENEEE125A	Provide engineering solutions for problems in complex multiple path circuit

Unit Code: EE203	Three Phase Power Circuits
Teaching Video	Three phase system G049 Lesson 1 Basic three phase circuit.zip G049 Lesson 2 Three phase star delta.zip G049 Lesson 3 Three phase power measurement.zip G049 Lesson 4 Three phase 4 wires unbalanced load.zip G049 Lesson 5 Three phase 3 wires unbalanced load.zip G049 Lesson 6 Three phase power by 2 watt meters.zip G049 Lesson 7 Three phase fault.zip G049 Lesson 8 Three phase fault calculation table.zip G049 Lesson 9 Fault calculation.zip G049 Lesson 10 Sequence network.zip
Writing on whiteboard+Audio	G049 Lesson 1 Basic three phase circuit.zip G049 Lesson 2 Three phase star delta.zip G049 Lesson 3 Three phase power measurement.zip G049 Lesson 4 Three phase 4 wires unbalanced load.zip G049 Lesson 5 Three phase 3 wires unbalanced load.zip G049 Lesson 6 Three phase power by 2 watt meters.zip

	G049 Lesson 7 Three phase fault.zip G049 Lesson 8 Three phase fault calculation table.zip G049 Lesson 9 Fault calculation.zip G049 Lesson 10 Sequence network.zip
Exercise	G049 7762ABTutorial EXERCISES Page 193 to 200
Theory Practice Test	G049 G049 MCQ Practice 1 G049 MCQ Practice 2
Practical Practice	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 http://www.filefactory.com/file/7kx9i3f2mx6n/n/4-2_pdf http://www.filefactory.com/file/nsdk910ui4f/n/4_2_doc http://www.filefactory.com/file/7kx9i3f2mx6n/n/4-2_pdf http://www.filefactory.com/file/nsdk910ui4f/n/4_2_doc http://www.filefactory.com/file/5w7jcny20kn9/n/Power_Practical-Real_power_reactive_power_apparent_power_pdf Circuit Connection Assessment Number 9-2 Three Phase Unbalanced Load 3_ph_3_wire_balance_unbalance_load http://www.filefactory.com/file/3uvir02xql05/n/Practical-E029-3_phase_balanced_amp_unbalance_load_pdf http://www.filefactory.com/file/6nlrpsht5bmh/n/9_2_doc http://www.filefactory.com/file/1120fqz7sh8l/n/9-2_pdf

	<u>Circuit Connection Assessment Number 9-7 Star Delta Load</u> http://www.filefactory.com/file/1ez1roas6zgt/n/Practical-G002_G049-Star_amp_Delta_load_pdf http://www.filefactory.com/file/5t57z4mwqoj3/n/9-7_pdf http://www.filefactory.com/file/soyr2zd7uin/n/9_7_doc						
Reference Resources + Textbooks	G049 7762AB 7761M Notes Phase AC Supply Handout Connection of balanced three phase loads handout Star delta conversion handout Connection of unbalanced three phase loads Power and energy in ac circuit handout Watt meter handout Three Phase Power Handout Power factor correction handout High voltage transmission line losses handout Symmetrical components handout Distribution of fault currents through power system handout Phase sequence diagrams for power systems handout Phase sequence detectors handout, Fault calculations on power system handout <u>Power Circuits (Reference)</u> <table><tr><td>Part 1</td><td>Part 2</td><td>Part 3</td></tr><tr><td>Part 4</td><td>Part 5</td><td>Part 6</td></tr></table>	Part 1	Part 2	Part 3	Part 4	Part 5	Part 6
Part 1	Part 2	Part 3					
Part 4	Part 5	Part 6					

	Part 7	Part 8	Part 9
	Part 10	Part 11	Part 12
	Part 13	Part 14	Part 15
	Part 16	Part 17	Part 18
Australian Curriculum Units			
UEENEEG149A		Provide engineering solutions to problems in complex polyphase power circuits	

Unit Code: EE204	Engineering Physics
Teaching Video	E046Part 1.zip E046Part 2.zip E046Part 3.zip
Writing on whiteboard+Audio	Physics-E046 Part 1.zip http://www.filefactory.com/file/c0b68a1/n/Physics-E046_Part_1.zip http://onlineclass1.zoomshare.com/ Physics-E046 Part 2
Exercise	Click HERE to download G037+G038+G039+E046 Exercises
Theory Practice Test	E046 E046 MCQ Practice 1 E046 MCQ Practice 2 E046 MCQ Practice 3 E046 MCQ Practice 4
Australian Curriculum Units	
UEENEEE082A	
Apply physics to solving electrotechnology engineering problems	

Unit Code: EE205	Electrical Power System
Teaching Video	G037+G038+G039 Lesson 1-Power Flow.zip G037+G038+G039 Lesson 2-Site Earthing.zip G037+G038+G039 Lesson 4-Auxiliary System+Harmonic.zip G037+G038+G039 Lesson 3-Power System Control Equipments.zip G037+G038+G039 Lesson 5-Harmonic.zip G037+G038+G039 Lesson 6-Harmonic Calculation.zip G037+G038+G039 Lesson 7-Synchronous Generator Loading.zip G037+G038+G039 Lesson 8-Turbine Control+Power Line Earthing.zip G037+G038+G039 Lesson 9-Insulator.zip G037+G038+G039 Lesson 10-Reliability of Power System.zip G037+G038+G039 Lesson 11-Harmonic Reduction.zip G037+G038+G039 Lesson 12-Grounding + Power Quality.zip G037+G038+G039 Lesson 13-Power Quality.zip G037+G038+G039 Lesson 14-Harmonic Model.zip G037+G038+G039 Lesson 15-Harmonic Losses in Transformer.zip G037+G038+G039 Lesson 16-Reliability Improvement.zip G037+G038+G039 Lesson 17-Preparation for emergency.zip G037+G038+G039 Lesson 18-Harmonic problems.zip

	G037+G038+G039 Lesson 19-Synchronous machine problems.zip G037+G038+G039 Lesson 20-Power Generation + Generator Control.zip G037+G038+G039 Lesson 21-Turbine Control+ Digital Excitation.zip G037+G038+G039 Lesson 22-Power System Protection.zip G037+G038+G039 Lesson 23-Switch Gear.zip
Writing on whiteboard+Audio	Power system 2-G037+G038+G039.zip
Exercise	Click HERE to download G037+G038+G039+E046 Exercises
Theory Practice Test	G037+G038+G039 G037+G038+G039 MCQ Practice 1 G037+G038+G039 MCQ Practice 2 G037+G038+G039 MCQ Practice 3 G037+G038+G039 MCQ Practice 4 G037+G038+G039 MCQ Practice 5
Practical Practice	Practicals Work performance and practical instruction Click HERE to download practicals
Reference Resources + Textbooks	ESI 8 Insulation 1 ESI 8 Insulation 2 ESI 9.1 Protection Relay Construction ESI 9.2Test Equipment ESI 33.1 Power Quality Concept

	<u>ESI 33.2 Harmonic in capacitor</u>
	<u>ESI 33.3 Harmoniceffect on machines</u>
	<u>ESI 33.4 Harmonic in synchronous machines</u>
	<u>ESI 33.5 Harmonic in transformer</u>
	<u>ESI 33.6 Power Quality Improvement Capacitor bank</u>
	<u>ESI 33.7 Power Quality Improvement-Filter</u>
	<u>ESI 33.8 Power Quality Improvement-General</u>
	<u>ESI 33.9 Power Quality Improvement- Power Conditioner</u>
	<u>ESI10.1 HV equipments.zip</u>
	<u>ESI10.2 Substation equipments.zip</u>
	<u>ESI 18.1 Substation equipments 1</u>
	<u>ESI 18.2 Substation equipments 2</u>
	<u>ESI 18.3 Substation equipments 3</u>
	<u>ESI12 14 Harmonic</u>
	<u>ESI12 14 Reactor</u>
	<u>ESI12 14 Syn Motor Generator</u>
	<u>ESI 19.1 Computer Control</u>
	<u>ESI 19.4 Turbine Control</u>
	<u>ESI 19.2 Generator Control Load Flow</u>
	<u>ESI 19.3 Generator</u>
	<u>ESI 22.1 Generator Study</u>
	<u>ESI 22.2 Voltage surge control</u>

	ESI 24 Modern Power System
Australian Curriculum Units	
UEENEEG039B	Diagnose and rectify faults in distributed generation systems
UETTDRIS70A	Diagnose and rectify faults in electrical energy distribution systems
UETTDRIS67A	Solve problems in energy supply network equipment

Unit Code: EE206	AC Machines
Teaching Video	Induction and synchronous machines & control G043+G045 Lesson 1 AC Machine Introduction.zip G043+G045 Lesson 2 Slip+Equivalent Ckt.zip G043+G045 Lesson 3 Power Transfer.zip G043+G045 Lesson 4 Test for equivalent ckt.zip G043+G045 Lesson 5 Equivalent Ckt Problems.zip G043+G045 Lesson 6 Motor starting and control.zip G043+G045 Lesson 7 Synchronous machine introduction.zip G043+G045 Lesson 8 Synchronous machine ckt problems.zip G043+G045 Lesson 9 Synchronous machine starting.zip G043+G045 Lesson 10 Single phase motor.zip G043+G045 Lesson 11 Factors affecting motor operation.zip
Writing on whiteboard+Audio	Elect Machine-G043+G044+G045.zip
Exercise	G015 G046 G040 G043 G045 G042Tutorials EXERCISES Page 152 to 167
Theory Practice Test	G043+G045

	G043+G045 MCQ Practice 1 G043+G045 MCQ Practice 2
Practical Practice	<u>5.Electrical Machine Drive Magnetics Practicals</u> <u>Circuit Connection Assessment Number 5-1 Motor winding impedance</u> http://www.filefactory.com/file/7kppl7048nxn/n/Practical-E029-Motor_winding_impedance_pdf http://www.filefactory.com/file/3ve1y5o399x/n/5-1_pdf http://www.filefactory.com/file/6x8fkvqtmx4t/n/5_1_doc <u>Circuit Connection Assessment Number 5-2 Motor polarity</u> http://www.filefactory.com/file/6fzs7n702jrh/n/5_2_doc http://www.filefactory.com/file/3zxqfi55nwlp/n/5-2_pdf http://www.filefactory.com/file/5mw1ek0239dp/n/Practical-E029-Testing_motor_polarity_pdf http://www.filefactory.com/file/653f605ed0qn/n/5_2_doc <u>Circuit Connection Assessment Number 5-4 Three phase motor speed measurement</u> 3_ph_motor_speed_measurement 3_ph_motor_no_load_test http://www.filefactory.com/file/549t9x5ckv8l/n/5_4_doc http://www.filefactory.com/file/ft0sxe70zkgp/n/5-4_pdf Three phase motor speed measurement
Reference Resources + Textbooks	MachineRepair1.zip MachineRepair2.zip MachineRepair3.zip MachineControlCkt1.zip MachineControlCkt2.zip MachineControlCkt3.zip

[Motor control 2](#)

[Motor control 3](#)

[Motor control 4](#)

[Motor control 5](#)

[Motor control 6](#)

[Motor control 7](#)

[Motor control 8](#)

[Motor control 9](#)

[Motor control 10](#)

[Motor control 11](#)

[Motor control 12](#)

[Motor control 13](#)

[Motor control 14](#)

[Motor control 15](#)

[Motor control 16](#)

8273Z Variable Speed Drives

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Lesson 2 [Part a](#) [Part b](#) [Part c](#)

Lesson 3 [Part a](#) [Part b](#)

Lesson 4 [Part a](#) [Part b](#)

	Lesson 5 Part a Part b Lesson 6 Part a Part b Lesson 7 Part a Part b Lesson 8 Part a Part b Lesson 9 Part a Part b Lesson 10 Part a Part b Lesson 11 Part a Part b Lesson 12 Part a Part b Lesson 13 Part a Part b Lesson 14 Part a Part b Lesson 15 Part a Part b Lesson 16 Part a Part b Part c Lesson 17 Part a Part b Part c
Australian Curriculum Units	
UEENEEG143A	Develop engineering solution for synchronous machine and control problems
UEENEEG145A	Develop engineering solutions for induction machine and control problems
UEENEEI145A	Diagnose and rectify faults in a.c. motor drive systems
UEENEEG006A	Solve problems in single and three phase low voltage machines

Unit Code: EE207	DC Machine
Teaching Video	DC Machine Lesson Video
Writing on whiteboard+Audio	Elect Fundamental E029+G012+G001+G002+G060.zip

	Elect Machine-G043+G044+G045.zip
Exercise	EXERCISES Page 168 to 175
Theory Practice Test	G044 G044 MCQ Practice 1 G044 MCQ Practice 2
Practical Practice	Circuit Connection Assessment Number 3-1 DC Variable Speed Drive http://www.filefactory.com/file/1ufyhhdtxvnd/n/Practical_Semester_1_A_pdf http://www.filefactory.com/file/1tsh6fgnwpf9/n/3_1_xls http://www.filefactory.com/file/2b8s44t0ad0h/n/3-1_pdf http://www.filefactory.com/file/6j1bxdkb2ztv/n/3_1_doc Circuit Connection Assessment Number 3-11 Variable dc drive with rectifier http://www.filefactory.com/file/1ufyhhdtxvnd/n/Practical_Semester_1_A_pdf http://www.filefactory.com/file/157ijpib50kh/n/3_11_doc http://www.filefactory.com/file/nxizi32shtr/n/3-11_pdf http://www.filefactory.com/file/5hh27aqzb245/n/3_11_xls
Reference Resources + Textbooks	E029 Motor Control 1 E029 Motor Control 2 E047Mech G044 7762AC1 G044 7762AC2 ESI 33.3 Harmoniceffect on machines 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 5 Machinery Installation.zip](#)

[ESI 8 Insulation 1.zip](#)

[ESI 8 Insulation 2.zip](#)

[ESI 6 Mechanical Assembly.zip](#)

[8273Z Variable Speed Drives](#)

Lesson 1-[Part a](#) [Part b](#) [Part c](#) [Part d](#)

Lesson 2 [Part a](#) [Part b](#) [Part c](#)

Lesson 3 [Part a](#) [Part b](#)

Lesson 4 [Part a](#) [Part b](#)

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Lesson 6 [Part a](#) [Part b](#)

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Lesson 8 [Part a](#) [Part b](#)

Lesson 9 [Part a](#) [Part b](#)

Lesson 10 [Part a](#) [Part b](#)

	Lesson 11 Part a Part b Lesson 12 Part a Part b Lesson 13 Part a Part b Lesson 14 Part a Part b Lesson 15 Part a Part b Lesson 16 Part a Part b Part c Lesson 17 Part a Part b Part c
Australian Curriculum Units	
UEENEEG160A	Evaluate performance of LV electrical machines
UEENEEG161A	Design and develop modifications to LV electrical machines
UEENEEG144A	Develop engineering solutions for d.c. machine and control problems
UEENEEI146A	Diagnose and rectify faults in d.c. motor drive systems

Unit Code: EE208	Operational Amplifiers
Teaching Video	Operational amplifier+ single phase power control equipments H025 Lesson 1-Differential Amplifier.zip H025 Lesson 2-Comparator.zip H025 Lesson 3-Timer IC.zip H025 Lesson 4-Op Amp Circuit 1 & 2.zip H025 Lesson 5-Op amp characteristics+Band width the compensation.zip H025 Lesson 6-Op amp diode characteristics.zip

	H025 Lesson 7-Sine & square wave oscillators.zip H025 Lesson 8-Op amp ckt-Integrator+Differentiator.zip H025 Lesson 9-Active filter.zip H025 Lesson 10-Multistage Op amp ckt.zip H025 Lesson 11-Transducers.zip H025 Lesson 12-Introduction to control.zip
Writing on whiteboard+Audio	Power Electronics -H025+H026.zip
Exercise	Electronics H025 Tutorials EXERCISES Page 218 to 228
Theory Practice Test	H025 H025 MCQ Practice 1 H025 MCQ Practice 2
Practical Practice	Circuit Connection Assessment Number 3-7 Three Terminal Regulator http://www.filefactory.com/file/1ufyhhdtxvnd/n/Practical_Semester_1_A_pdf http://www.filefactory.com/file/65maa6x3hkzj/n/3_7_doc http://www.filefactory.com/file/75znot255nq7/n/3_7_xls http://www.filefactory.com/file/1u8jqxxi95tp/n/3-7_pdf Circuit Connection Assessment Number 6-2 Inverting Non Inverting Amplifier Inverting Non inverting amplifier http://www.filefactory.com/file/3wpu100m0a1h/n/6_1_doc http://www.filefactory.com/file/6adx40ktscin/n/6-2_pdf

http://www.filefactory.com/file/19ebzs7t83gf/n/Inverting_Non_inverting_amplifier_pdf

Circuit Connection Assessment Number 6-5 Inverting amplifier

http://www.filefactory.com/file/2iojycy6bf6z/n/6-5_pdf

http://www.filefactory.com/file/45732kme9l4f/n/Practical-H025-Inverting_amplifier_pdf

http://www.filefactory.com/file/j0zl13ttmed/n/6_5_doc

Circuit Connection Assessment Number 6-6 Op Amp Comparator

http://www.filefactory.com/file/1o98rt5t7gsx/n/6-6_pdf

http://www.filefactory.com/file/3mu42ptkavap/n/6_6_doc

http://www.filefactory.com/file/4bewi75grfd/n/Practical-H025-Op-amp_comparator_pdf

Circuit Connection Assessment Number 6-7 Precision half wave rectifier

http://www.filefactory.com/file/21egwl9rthgr/n/6-7_pdf

http://www.filefactory.com/file/406iyxvrc1eb/n/Practical-H025-Precision_half_wave_amplifier_pdf

http://www.filefactory.com/file/5rksi012bw39/n/6_7_doc

Rectification

Circuit Connection Assessment Number 6-8 Variable frequency drive

http://www.filefactory.com/file/icwoyr7ctpv/n/6_8_doc

http://www.filefactory.com/file/6jsb8h0q6aqt/n/Variable_speed_drive_pdf

http://www.filefactory.com/file/vrdaixekxn/n/6-8_pdf

Circuit Connection Assessment Number 6-11 PWM

http://www.filefactory.com/file/47cqe7k6vnt7/n/Practical-H026-PWM_Practical_pdf

http://www.filefactory.com/file/bliscj4bvjr/n/6-11_pdf

	http://www.filefactory.com/file/u8uibrn5135/n/6_11_doc <u>Circuit Connection Assessment Number 6-12 Mini Lab</u> http://www.filefactory.com/file/42e878f0kjgd/n/H045Day3Practical_pdf http://www.filefactory.com/file/7hr25f7o5an9/n/6-12_pdf http://www.filefactory.com/file/5mbfi4xigxf1/n/6_12_doc <u>Circuit Connection Assessment Number 3-2 Amplifier Gain</u> http://www.filefactory.com/file/1ufyhhdtxvnd/n/Practical_Semester_1_A_pdf http://www.filefactory.com/file/2xikhzj6xuzx/n/3-2_pdf http://www.filefactory.com/file/33ntwrs3o7e3/n/3_2_xls http://www.filefactory.com/file/57di74j6zk7p/n/3_2_doc
Reference Resources + Textbooks	H025 Operational Amplifier H026 3 Ph Power Control Electronics 1 H026 3 Ph Power Control Electronics 2 H026 3 Ph Power Control Electronics 3 H026 3 Ph Power Control Electronics 4
Australian Curriculum Units	
UEENEEI149A	Solve problems in polyphase electronic power control circuits

Unit Code: EE209	Analogue Electronics
Teaching Video	Analogue Electronics H045 Lesson 1 Op-amp.zip H045 Lesson 2 DC Non idealities.zip H045 Lesson 3 Bias compensation.zip

	H045 Lesson 4 Slew rate.zip H045 Lesson 5 AC Noise.zip H045 Lesson 6 Source noise resistance.zip H045 Lesson 7 Signal to noise ratio.zip H045 Lesson 8 Frequency compensation.zip H045 Lesson 9 Stability analysis.zip H045 Lesson 10 Feedforward compensation.zip
Writing on whiteboard+Audio	H045 Lesson 1 Op-amp.zip H045 Lesson 2 DC Non idealities.zip H045 Lesson 3 Bias compensation.zip H045 Lesson 4 Slew rate.zip H045 Lesson 5 AC Noise.zip H045 Lesson 6 Source noise resistance.zip H045 Lesson 7 Signal to noise ratio.zip H045 Lesson 8 Frequency compensation.zip H045 Lesson 9 Stability analysis.zip H045 Lesson 10 Feedforward compensation.zip
Exercise	Electronics H045 Tutorials EXERCISES Page 233 to 239
Theory Practice Test	H045 H045 MCQ Practice 1 H045 MCQ Practice 2
Practical Practice	General Practicals M1-MCQ Practical Practice 1

	M1-MCQ Practical Practice 2 M1-MCQ Practical Practice 3 M1-MCQ Practical Practice 4 Circuit Connection Assessment Number 3-2 Amplifier Gain http://www.filefactory.com/file/1ufyhhtxvnd/n/Practical_Se_mester_1_A_pdf http://www.filefactory.com/file/2xikhzj6xuzx/n/3-2_pdf http://www.filefactory.com/file/33ntwrs3o7e3/n/3_2_xls http://www.filefactory.com/file/57di74j6zk7p/n/3_2_doc Circuit Connection Assessment Number 6-1 Class A B Rectifier Class A-B Amplifier http://www.filefactory.com/file/52bujy6mxnvf/n/6-1_pdf http://www.filefactory.com/file/650fxy60dm2z/n/6_1_doc http://www.filefactory.com/file/72af0kxilwf3/n/Class_A-B_Amplifier_pdf Amplifier1_2Practical Amplifier current gain Circuit Connection Assessment Number 6-2 Inverting Non Inverting Amplifier Inverting Non inverting amplifier http://www.filefactory.com/file/3wpu100m0a1h/n/6_1_doc http://www.filefactory.com/file/6adx40ktscin/n/6-2_pdf http://www.filefactory.com/file/19ebzs7t83gf/n/Inverting_Non_inverting_amplifier_pdf Circuit Connection Assessment Number 6-5 Inverting amplifier http://www.filefactory.com/file/2iojycy6bf6z/n/6-5_pdf http://www.filefactory.com/file/45732kme9l4f/n/Practical-H025-
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[Inverting amplifier pdf](#)

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Circuit Connection Assessment Number 6-6 Op Amp Comparator

http://www.filefactory.com/file/1o98rt5t7qsx/n/6-6_pdf

http://www.filefactory.com/file/3mu42ptkavap/n/6_6_doc

http://www.filefactory.com/file/4bewi75grfjd/n/Practical-H025-Op-amp_comparator_pdf

Circuit Connection Assessment Number 6-7 Precision half wave rectifier

http://www.filefactory.com/file/21eqwl9rthgr/n/6-7_pdf

http://www.filefactory.com/file/406iyxvrc1eb/n/Practical-H025-Precision_half_wave_amplifier_pdf

http://www.filefactory.com/file/5rzsi012bw39/n/6_7_doc

Rectification

Circuit Connection Assessment Number 6-8 Variable frequency drive

http://www.filefactory.com/file/icwoyr7ctpv/n/6_8_doc

[http://www.filefactory.com/file/6jsb8h0q6agt/n/Variable speed drive pdf](http://www.filefactory.com/file/6jsb8h0q6agt/n/Variable_speed_drive_pdf)

http://www.filefactory.com/file/vrdtaixekxn/n/6-8_pdf

Circuit Connection Assessment Number 6-9 Three phase rectifier

http://www.filefactory.com/file/1w2ax659q7ov/n/6_9_doc

http://www.filefactory.com/file/37wu1n67f35j/n/Practical-H026-3_phase_rectifier_pdf

http://www.filefactory.com/file/59hev8r7yoyl/n/6-9_pdf

Rectification

Circuit Connection Assessment Number 6-11 PWM

http://www.filefactory.com/file/47cqe7k6vnt7/n/Practical-H026-PWM_Practical_pdf

	http://www.filefactory.com/file/bliscj4bvjr/n/6-11_pdf http://www.filefactory.com/file/u8uibrn5135/n/6_11_doc <u>Circuit Connection Assessment Number 6-12 Mini Lab</u> http://www.filefactory.com/file/42e878f0kjgd/n/H045Day3Practical_pdf http://www.filefactory.com/file/7hr25f7o5an9/n/6-12_pdf http://www.filefactory.com/file/5mbfi4xigxf1/n/6_12_doc
Reference Resources + Textbooks	Analog1 Analog2
Australian Curriculum Units	
UEENEEI124A	Fault find and repair analogue circuits and components in electronic control systems

Unit Code: EE210	Electrical Engineering Business Studies
Reference Resources + Textbooks	<u>Business Units Online Lesson Study Link</u> <u>UEE62211 Business and Management Units Instruction</u> <u>Business Units Competency</u>
Exercise	<u>Business units assignments</u>
Australian Curriculum Units	
BSBINM501A	Manage an information or knowledge management system
BSBMGT516A	Facilitate continuous improvement
BSBINN502A	Build and sustain an innovative work environment
BSBWOR502A	Ensure team effectiveness