Enrolment Information for new POSTGRADUATE students Minerals and Energy 2009

STEP

Welcome to Murdoch University

Congratulations on your offer of a place to study at Murdoch University. The details included in this booklet will assist you with accepting your offer, seeking advice on your enrolment options, choosing your units and completing your enrolment online. The Steps below ensure that you have the basic information you need to navigate successfully through your first enrolment experience at Murdoch.

Students who are unable to access computer facilities due to exceptional circumstances are able to apply to receive their University correspondence via hardcopy. For further information please contact the External Studies Unit (Telephone: 089360 2710).

 STEP 1 Accept Offer and Activate Account

 STEP 2 Research Your Options

 STEP 3 Complete Your Enrolment

 STEP 4 Select Your Activities

 STEP 5 Go To Orientation and Start Uni

 STEP 6 Important Information and FAQs

Accept Offer and Activate Account

☐ **Go to the Murdoch Home page …**

… http://www.murdoch.edu.au/ and click on the "New students" link on the bottom left of your screen. This will take you to our New Students website.

☐ **Select the Accept & Activate icon**

☐ **Read the instructions …**

… carefully for your offer type, then click on the "New students…walk this way" icon.

You will need your Offer Letter (Domestic students) or Confirmation of Enrolment- eCOE (International students) as this contains your Student Number.

☐ **Enter your Student Number**

☐ **Enter your Date of Birth …**

… in the format DD/MM/YYYY (eg 12/03/1985) and click the SUBMIT button.

☐ **Now you can:**

- ☐ Choose to Accept, Defer or Reject your offer (domestic students only)
- ☐ Set your Murdoch Password (all students)
- ☐ Set and confirm your email address (all students)
- ☐ Select your course as offered (domestic students only)

☐ **Congratulations …**

… you have accepted your place as a Murdoch student and you are now ready to select your units and complete your enrolment!

STEP 2

Research Your Options

For a postgraduate student a course structure will consist of Core Units (http://www.murdoch.edu.au/students/new/terminology.html#CoreUnits) and Specified Electives (http://www.murdoch.edu.au/students/new/terminology.html#SpecifiedElectives).

Depending on your chosen degree your requirements will vary from approximately 12 points to 72 points. Postgraduate courses include, Graduate Certificate, Postgraduate Certificate, Graduate Diploma, Postgraduate Diploma, Masters and Doctorates.

☐ Read about your Course Structure

You can find your course structure online through the Postgraduate Information. Link (http://www.murdoch.edu.au/fsa/postgrads/).

☐ Choose your units …

…you want to enrol in for the current year by using the information you have reviewed above. You can find out about each unit in the Handbook online 2009 Handbook (http://handbook.murdoch.edu.au/units/).

☐ Check your Timetable

Generally you should find that the lectures for your core units and specified elective units will not clash, however some specified elective units may not fit into your timetable. If this happens you may need to choose another specified elective.

You can check the timetable for the units you have chosen for your enrolment to make sure they are not timetabled to run at the same time.

The quickest method of checking this is to refer to the online teaching timetable's Nominated Units Enquiry website at: Teaching Timetable (http://www.murdoch.edu.au/admin/timetables/teaching/enquiry.html)

You may find it useful to print a hardcopy of your personal study plan (http://www.murdoch.edu.au/fsa/forms/StudyPlan.pdf) and/or your personal timetable (http://www.murdoch.edu.au/students/new/UnitPersonalTimetablePlanner.pdf) for future reference.

Don't panic if you are unsure of your choice of units. Do the best you can, and then seek help via:

☐ Your Postgraduate **Coursework Advice Session** that will be held during Orientation Week (see Step 5) where there will be staff available to answer your queries about your course.

When: Wednesday, February 11th at 6.00 pm
Where: Kim Beasley Lecture Theatre (next to Library)
Who: All postgraduate students.

☐ **Faculty Student Administration (FSA) staff member.** You have been allocated a staff member to assist you with your enrolment queries regarding your chosen course. For contact details see FSA Contacts (http://www.murdoch.edu.au/fsa/contacts/) .

☐ **Your Course Program Chair.** You also have an academic staff member to assist you with your enrolment queries regarding your chosen course, for contact details see Program Chairs (http://www.murdoch.edu.au/contacts/academic/) .

☐ **Now you are ready to enrol …**

STEP 3

Complete Your Enrolment

Log in to MyMurdoch ..

… Go to the Murdoch homepage (http://www.murdoch.edu.au/), select "Current Students" at the TOP of the page, and then select "MyMurdoch" to access your portal to Murdoch's online facilities using your Murdoch User Name (Student Number) and Murdoch Password (as per Step 1).

Click on MyInfo tab

Log in to MyInfo (click on the MyInfo Login icon) using your Murdoch User Name (Student Number) and Murdoch Password (as per Step 1). And yes, the University is working on this double log in process!

What is MyInfo? MyInfo is the University's student self enrolment and management system. Within MyInfo you can manage your enrolment including unit selection, unit set (course and specialisations – if applicable) enrolment and

activity signup. You can also update your personal details (home and postal addresses, email address etc).

☐ Go to Self Enrolment Steps

On the left menu, click on <*Change Enrolment Details*> and then <*Self Enrolment Steps*>. Read all of the information on this page and then scroll down to the <*Self Enrolment Steps*> heading.

Work your way through each of the steps.

Icons are used to represent the status of each Self Enrolment Step. Each step has an explanation to the process so please read each one carefully.

☐ Disclaimer

☐ Services

☐ Government Statistics

☐ Course Completion Date

Keeps the university informed of when you expect to graduate, so please keep this up to date as it is very important.

☐ Unit Sets (Course and Specialisation – if applicable)

You will need to have at least one Unit Set recorded as your Primary Unit Set. Your Primary Unit Set must relate to the course you are currently enrolled under.

What are Unit Sets? This is the name given to the Course and Specialisations (if applicable) by MyInfo, and often referred to as a Course. You must have at least one primary unit set on MyInfo that matches the course you were offered (eg. Master of Arts in Public Policy, with Primary Unit set of MA-PUB-POL).

☐ Units

This is where you enrol in your individual units. Use the Search function to find the unit you want. You can also just type in the unit code of the unit you wish to enrol in. Do one unit at a time and **Save Changes** after each unit added. Remember to enrol in all of your units for the year.

D = internal, X = external, S1 = Semester 1, S2 = Semester 2.
When you have successfully enrolled in a unit the ‘Status’ column will show ‘Enrolled’ and the background colour will change from grey to blue.

Remember to make sure you have your Pop-Up Blockers turned off when you are in MyInfo as it will affect your ability to save your units.

☐ **Commonwealth Assistance Form (Domestic Students only)**

This is a Commonwealth Government requirement. To complete this you will need your Tax File Number (TFN). If you do not have your TFN handy or have not applied for one from the Australian Taxation Office (http://www.ato.gov.au/) yet you can come back to this step later, however this step must be completed by the Census Date (http://www.oss.murdoch.edu.au/enrolment/deadlines.html) to avoid having your course cancelled as per Commonwealth Government regulations.

☐ **Check your Current Enrolment Details**

When you have enrolled in all units that you intend to take for the year you are encouraged to view your current enrolment from the <*Current Enrolment Details*> menu in MyInfo. Select <*Course and Unit Details*> and then click on the course code next to the <*Units*> heading. You will need to check that all of the units that you intend to take for the year are included.

☐ **Unit Status shows as ENROLLED!**

Well done, you have enrolled in your units. Please be aware that your Course Status will remain as Inactive until semester begins. You can further check that you have enrolled in the right units by going back out to the MyInfo tab of MyMurdoch. Your enrolled units will be displayed with the Teaching Period, Campus and Mode. Check this one final time before you finish.

If you have any trouble getting into or navigating your way around MyMurdoch or have a technical issue, check out the Help link or contact the IT Service Desk (itservicedesk@murdoch.edu.au, p: 93602000 or Level 2, North Wing, Library).

STEP 4

Select Your Activities

☐ **Sign up for your Activities**

What are Activities? Activities are the collective term used for on-campus (Internal) lectures, tutorials, workshops, seminars and laboratories.

You will need to have completed your Unit Enrolment (Step 3) **before** you can sign up to the associated activities.

Log in to MyMurdoch and then MyInfo as per Step 3. On the left menu, click on <*Change Enrolment Details*> and then <*Activity Sign Up*>. Read all of the information as it will tell you when the Activity Sign Up function is open.

The system works on a first-in-first-served basis so you are advised to enrol in your activities as soon as possible.

Click on <*Add or Change Activities*>. Read all of the information and then scroll down to see your Unit enrolments and the available activities.

Although signing up to a Lecture activity may not be mandatory for all units, it is recommended that you do to highlight any possible clashes on your timetable. If your unit attempt status is 'Invalid', you will be unable to sign up for activities for that unit.

☐ **Select Activities**

Make your selections for the different activities. It is recommended that you start with all your lectures first and save. Then choose the other associated activities for each unit, saving as you go. Be sure you also note the start week for each activity as they may not all start from Week 1 of the teaching period.

☐ **View Personal Calendar**

Click on the MyUnits page of MyMurdoch to see all of your activities displayed on your Personal Calendar. Click on the "Forward a Week" button to take you to Week 1 of semester, and review the activities you have enrolled in to ensure that you have no unintentional clashes. Please note that it may take 15 minutes or more for any enrolment changes to be reflected in the calendar.

STEP 5

Go To Orientation and Start Uni

The Orientation program has been designed to meet your specific needs as a new postgraduate student to Murdoch. This includes an introduction to key Murdoch University staff, the campus and to the facilities and services that are available to you.

You can check the full orientation timetable (New Students - Orientation - http://www.murdoch.edu.au/students/new/orientation.html) for event and Postgraduate Coursework Advice Session details.

All students should attend Orientation to experience the helpful and friendly atmosphere at Murdoch.

Attend the Postgraduate Coursework Advice Session and:

- ☐ **Discover** –All about Murdoch and what you should expect here.
- ☐ **Support** – Who can help you? Find out before you need it!
- ☐ **Explore** – Campus and Library tours. How not to get lost.
- ☐ **Connect** – Computer use on campus
- ☐ **Succeed** – How to be a successful student

and

- ☐ Meet the Student Guild and find out about their services
- ☐ Have your photo taken for your Student ID/Library Card
- ☐ Organise a parking permit (or avoid the queues and do it online at: http://www.oss.murdoch.edu.au/parking/). This site opens mid-January each year.
- ☐ Meet other students in your same course.

STEP 6

Important Information and FAQs

Units – Which units do I need to do and how do I know that I have enrolled in the right units? Your Course Structure lists your required units. Details for other courses are available from the Faculty Student Administration website (Faculty Student Administration- http://www.murdoch.edu.au/fsa/).

Invalid Units – Why is my unit enrolment INVALID? Beside the invalid unit, you will find a grey button labelled 'Why is this Invalid?' When you click on this button, a pop-up window will display the reason that the unit is invalid. If you still require help, print off or copy down this information before contacting your Faculty Student Administration staff member (FSA Contacts - http://www.murdoch.edu.au/fsa/contacts/).

Dissertation/Thesis/Project Units – Why can't I enrol in them? If your course requires enrolment in a Dissertation/Thesis/Project unit, you may not be able to self-enrol in that unit. As these units are usually taken over one or more semesters, we enrol you in proportional points to ensure the load is accurately reflected on your academic record. Please contact your Faculty Student Administration staff member (FSA Contacts - http://www.murdoch.edu.au/fsa/contacts/) for assistance

Activities – How do I sign up & what do I do if they are full? Use Step 4 to assist you with your Activity sign up within the MyInfo part of MyMurdoch. If your chosen Activity is full, there are three options available: review your whole timetable to check if you can change to another other unit, consider doing a unit

externally (if available), or contact the Unit Coordinator if you have exceptional circumstances. Unit Coordinator contact details can be found by entering the unit code in the search bar on the MyUnits page of MyMurdoch.

Where can I find my credit and exemptions (Advanced Standing)? If you have notified the University that you wish to be assessed for Advanced Standing (either on your application or via contact with the Accreditation Officer), your credit and exemptions will be shown on MyInfo part of MyMurdoch. Go to 'Current Enrolment Details', select <*Course and Unit Details*>, scroll down the list to <*Advanced Standing*> and click on course code next to this heading (eg M1006). Allow at least 10 working days from receipt by the University of your application and supporting documentation before this information will be available on your enrolment record. Should you have any queries regarding Advanced Standing you should contact the Accreditation Officer .

Enrolment Deadlines – Internal and External units. You will be expected to enrol in all your units for the current year as soon as possible. The last date to add a unit is the Friday of Week 1 of the teaching period. For external units, the mail-out of unit materials will commence two weeks prior to the start of each teaching period, so you should enrol in your external units as soon as possible. If you enrol in an external unit after the initial mail-out you should allow up to 10 days from the date you enrolled to receive your materials.

University Regulations and Rules Students should ensure they are familiar with the University's internal legislation, including provisions specifically relevant to their studies (University Legislation).

How do I add or change my course? To change your course entirely will require a new application to be submitted which can only be applied for near the end of each semester. The relevant course application forms can be found at (Postgraduate Study).

Email Account & Correspondence. The University's primary form of contact with students is via email. The University automatically provides you with an email address, (yourstudentnumber@student.murdoch.edu.au) and you can access this email account at: Student Webmail (https://wwwstudent.murdoch.edu.au/mail) using your Murdoch User name and Password (same as MyMurdoch). You can choose to use a different email account, for example a Yahoo account. It is essential that you keep the email address listed in MyInfo page of MyMurdoch up to date so that you receive important communications from your lecturers and the University.

Cancellation of Courses/ Units. The University reserves the right to cancel, without notice, any course or unit if the number of students enrolled falls below limits set by the University

Glossary A full list of Murdoch terminology and relevant regulation requirements can be found in the Murdoch Terminology and Glossary (http://www.murdoch.edu.au/students/new/terminology.html) page to help you.

Handy Contacts and Websites

Need help with:-	Contact	Email	Phone (+618)	Location Murdoch Campus
IT/MyInfo	IT Service Desk	itservicedesk@murdoch.edu.au	9360 2000	Library (north) Level 2
Student ID cards	IT Service Desk	itservicedesk@murdoch.edu.au	9360 2000	Library (north) Level 2
Parking Permits	Student Service Centre	parking@murdoch.edu.au	9360 6127	Chancellery 2.020
HECS-Help and Fees	Student Service Centre	fees@murdoch.edu.au	9360 6127	Chancellery 2.020
Books/Unit materials	Bookshop	bookshop@murdoch.edu.au	9360 2540	Refectory 2.051
International Students	Murdoch International	internat@murdoch.edu.au	9360 6770	Senate 1.001
Advanced Standing – Credit & Exemptions	Mr Allan Wong (Domestic Students) Mr John Tan (International Stud.)	A.Wong@murdoch.edu.au J.Tan@murdoch.edu.au	9360 6352 9360 6010	Chancellery 2.027 Senate 1.001
Enrolment	Faculty Student Administration	fsa@murdoch.edu.au	9360 2420	Education Humanities 2.002

Handy Websites

New Student home page	http://www.murdoch.edu.au/students/new
2009 Handbook	http://handbook.murdoch.edu.au
Bookshop (eg. textbooks)	http://bookshop.murdoch.edu.au/index.html
Enrolment Dates and Deadlines	http://www.oss.murdoch.edu.au/enrolment/deadlines.html /
External Studies	http://external.murdoch.edu.au/
Faculty Student Administration	http://www.murdoch.edu.au/fsa
Guild of Students	http://guild.murdoch.edu.au
Library	http://wwwlib.murdoch.edu.au/
Maps	http://www.murdoch.edu.au/maps/
Murdoch International	http://www.international.murdoch.edu.au
MyInfo (log on through MyMurdoch for online enrolment)	http://myinfo.murdoch.edu.au
Orientation home page	http://www.murdoch.edu.au/students/new/orientation.html
Parking and Transport	http://www.murdoch.edu.au/index/students/P&T
Teaching timetable	http://www.murdoch.edu.au/admin/timetables/teaching /
Unit coordinator details	http://www.murdoch.edu.au/index/units

Checklists

POSTGRADUATE CERTIFICATE IN ENERGY STUDIES

School of Engineering and Energy

Postgraduate Certificate in Energy Studies (PgCertEnSt)

http://www.murdoch.edu.au/contacts/academic/School_of_Engineering_and_Energy

Course Structure — 12 points

Core Units — 12 points

Select at least three units from the units below.

[ ] Recommended:

PEC592 Energy in Society — 4 pts
Murdoch: S1-internal, S1-external, S2-external, Y-external

Energy Management

[ ] PEC594 Energy Management — 4 pts
Murdoch: S1-internal, S1-external, S2-external, Y-external

[ ] PEC625 Energy Efficiency, System Analysis and Auditing — 4 pts
Murdoch: S2-external, Y-external

[ ] PEC626 Industrial and Commercial Energy Efficiency Technologies — 4 pts
Murdoch: S2-external, Y-external

Energy Systems

[ ] PEC590 Energy Systems — 4 pts
Murdoch: S2-internal, S2-external, Y-external

[ ] PEC587 Renewable Energy and Sustainable Development — 4 pts
Murdoch: S2-internal, S2-external, Y-external

[ ] PEC621 Renewable Energy Devices — 4 pts
Murdoch: H-external, S1-internal, S1-external

[ ] PEC622 Renewable Energy Resources — 4 pts
Murdoch: H-external, S1-internal, S1-external

[ ] PEC623 Renewable Energy Systems Design — 4 pts
Murdoch: S2-internal, S2-external, Y-external

[ ] PEC620 Case Studies of Renewable Energy Systems — 4 pts
Murdoch: S2-internal, S2-external, Y-external

Energy Policy

[ ] PEC591 Energy Policy — 4 pts
Murdoch: S2-internal, S2-external, Y-external

[ ] PEC593 Energy Economics — 4 pts
Murdoch: H-external, S1-internal, S1-external

[ ] PEC632 Greenhouse Science and Policy — 4 pts
Murdoch: H-external, S1-internal, S1-external

[ ] PEC627 Advanced Energy Policy: Electricity Market Reform — 4 pts
Murdoch: S1-internal, S2-external

Built Environment

[ ] PEC611 Life Cycle Analysis and Greenhouse Accounting — 4 pts
Murdoch: S2-internal, S2-external, Y-external

[ ] PEC670 Energy Efficient Building Design — 4 pts
Murdoch: S1-internal, S1-external

[ ] PEC671 Solar Architecture and Health in Buildings — 4 pts
Murdoch: S2-internal, S2-external

[ ] PEC672 Climate Sensible Home Design — 4 pts
Murdoch: S2-internal, S2-external

[ ] PEC674 Innovation Management — 4 pts
Murdoch: S2-internal, S2-external

[ ] PEC675 Environmental Building Services — 4 pts
Murdoch: S2-internal, S2-external

PREREQUISITES — POSTGRADUATE CERTIFICATE IN ENERGY STUDIES

[ ] Advanced Energy Policy: Electricity Market Reform (PEC627)
Prerequisites: PEC491/PEC591 Energy Policy.
Co-requisite: Internet access if studying externally.

[ ] Case Studies of Renewable Energy Systems (PEC620)
Prerequisites: M492/PEC490/PEC590 Energy Systems.
Co-requisite: Internet access if studying externally.

[ ] Climate Sensible Home Design (PEC672)
Prerequisites: PEC470/PEC670 Energy Efficient Building Design and admission to the MSc in Environmental Architecture.
Co-requisite: Internet access if studying externally.

[ ] Energy Economics (PEC593)
Prerequisites: Co-requisite: Internet access if studying externally.

[ ] Energy Efficiency, System Analysis and Auditing (PEC625)
Prerequisites: PEC201 Thermodynamics or equivalent, M291/PEC294/PEC494/PEC594 Energy Management or equivalent, MAS161 Calculus and Matrix Algebra or equivalent and enrolment in the PgCert Energy Studies, PgDip Energy and the Environment, PgDip Energy Studies or MSc Renewable Energy.
Co-requisite: Internet access if studying externally.

[ ] Energy Efficient Building Design (PEC670)
Prerequisites: Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies, MSc Renewable Energy or MSc Environmental Architecture. Recommended: knowledge of physics equivalent to PEC120 General Physics, a final scaled score of 60% or more in TEE Physics or PEC152 Principles of Physics.
Co-requisite: Internet access if studying externally.

[ ] Energy in Society (PEC592)
Prerequisites: Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies or Master of Science in Renewable Energy. Recommended: knowledge of physics equivalent to M120/PEC120 Introduction to Physics, a final scaled score of 60% or more in TEE Physics or PEC152 Principles of Physics.
Co-requisite: Internet access if studying externally.

[ ] Energy Management (PEC594)
Prerequisites: Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies,r Master of Science in Renewable Energy or Master of Science in Environmental Architecture. Recommended: M492/PEC492/PEC592 Energy in Society and knowledge of physics equivalent to PEC120 General Physics or PEC152 Principles of Physics or a final scaled score of 60% or more in TEE Physics.
Co-requisite: Internet access if studying externally.

[ ] Energy Policy (PEC591)
Prerequisites: Nil. Recommended: PEC492/PEC592 Energy in Society.
Co-requisite: Internet access if studying externally.

[ ] Energy Systems (PEC590)
Prerequisites: Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies, or Master of Science in Renewable Energy. Recommended: PEC492/PEC592 Energy in Society and knowledge of physics equivalent to PEC120 General Physics or PEC152 Principles of Physics or a final scaled score of 60% or more in TEE Physics.
Co-requisite: Internet access if studying externally.

[ ] Environmental Building Services (PEC675)
Prerequisites: Admission to the MSc in Environmental Architecture or permission of the Unit Coordinator.
Co-requisite: Internet access if studying externally.

[ ] Greenhouse Science and Policy (PEC632)
Prerequisites: Enrolment in Postgraduate level.
Co-requisite: Internet access if studying externally.

[ ] Industrial and Commercial Energy Efficiency Technologies (PEC626)
Prerequisites: Co- or prerequisite: PEC425/PEC625 Energy Efficiency, System Analysis and Auditing.
Co-requisite: Internet access if studying externally.

[ ] Innovation Management (PEC674)
Prerequisites: Enrolment in MSc Environmental Architecture or permission of the Unit Coordinator.
Co-requisite: Internet access if studying externally.

[ ] Life Cycle Analysis and Greenhouse Accounting (PEC611)
Prerequisites: Enrolment in a Postgraduate level course in Energy Studies.
Co-requisite: Internet access if studying externally.

[ ] Renewable Energy and Sustainable Development (PEC587)
Prerequisites: Nil. Recommended: PEC492/PEC592 Energy in Society.
Co-requisite: Internet access if studying externally.

[ ] Renewable Energy Devices (PEC621)
Prerequisites: M492/PEC490/PEC590 Energy Systems.
Co-requisite: Internet access if studying externally.

[ ] Renewable Energy Resources (PEC622)
Prerequisites: M492/PEC492/PEC592 Energy in Society or equivalent.
Co-requisite: Internet access if studying externally.

[ ] Renewable Energy Systems Design (PEC623)
Prerequisites: M492/PEC490/PEC590 Energy Systems or equivalent.
Co-requisite: Internet access if studying externally.

[ ] Solar Architecture and Health in Buildings (PEC671)
Prerequisites: PEC670 Energy Efficient Building Design and admission to the MSc in Environmental Architecture.
Co-requisite: Internet access if studying externally.

POSTGRADUATE DIPLOMA IN ENERGY STUDIES

School of Engineering and Energy

Postgraduate Diploma in Energy Studies (PgDipEnSt)

http://www.murdoch.edu.au/contacts/academic/School_of_Engineering_and_Energy

Course Structure — 24 points

Core Units — 20 points

[ ] PEC592 Energy in Society — 4 pts
Murdoch: S1-internal, S1-external, S2-external, Y-external

[ ] PEC594 Energy Management — 4 pts
Murdoch: S1-internal, S1-external, S2-external, Y-external

[ ] PEC590 Energy Systems — 4 pts
Murdoch: S2-internal, S2-external, Y-external

[ ] PEC591 Energy Policy — 4 pts
Murdoch: S2-internal, S2-external, Y-external

[ ] PEC593 Energy Economics — 4 pts
Murdoch: H-external, S1-internal, S1-external

Specified Electives — 4 points

Select from the following:

[ ] PEC632 Greenhouse Science and Policy — 4 pts
Murdoch: H-external, S1-internal, S1-external

[ ] PEC587 Renewable Energy and Sustainable Development — 4 pts
Murdoch: S2-internal, S2-external, Y-external

[ ] PEC611 Life Cycle Analysis and Greenhouse Accounting — 4 pts
Murdoch: S2-internal, S2-external, Y-external

[ ] PEC670 Energy Efficient Building Design — 4 pts
Murdoch: S1-internal, S1-external

[ ] PEC625 Energy Efficiency, System Analysis and Auditing — 4 pts
Murdoch: S2-external, Y-external

[ ] PEC596 Energy Studies Project — 4 pts
Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-external
(this unit is usually taken in the last semester of the Diploma)

If one or more of the required units, or equivalents, have already been completed, or with permission from the Program Chair, students may select electives from other related 500-level units offered elsewhere in the University.

PREREQUISITES — POSTGRADUATE DIPLOMA IN ENERGY STUDIES

[ ] Energy Economics (PEC593)
Prerequisites: Co-requisite: Internet access if studying externally.

[ ] Energy Efficiency, System Analysis and Auditing (PEC625)
Prerequisites: PEC201 Thermodynamics or equivalent, M291/PEC294/PEC494/PEC594 Energy Management or equivalent, MAS161 Calculus and Matrix Algebra or equivalent and enrolment in the PgCert Energy Studies, PgDip Energy and the Environment, PgDip Energy Studies or MSc Renewable Energy.
Co-requisite: Internet access if studying externally.

[ ] Energy Efficient Building Design (PEC670)
Prerequisites: Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies, MSc Renewable Energy or MSc Environmental Architecture. Recommended: knowledge of physics equivalent to PEC120 General Physics, a final scaled score of 60% or more in TEE Physics or PEC152 Principles of Physics.
Co-requisite: Internet access if studying externally.

[ ] Energy in Society (PEC592)
Prerequisites: Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies or Master of Science in Renewable Energy. Recommended: knowledge of physics equivalent to M120/PEC120 Introduction to Physics, a final scaled score of 60% or more in TEE Physics or PEC152 Principles of Physics.
Co-requisite: Internet access if studying externally.

[ ] Energy Management (PEC594)
Prerequisites: Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies,r Master of Science in Renewable Energy or Master of Science in Environmental Architecture. Recommended: M492/PEC492/PEC592 Energy in Society and knowledge of physics equivalent to PEC120 General Physics or PEC152 Principles of Physics or a final scaled score of 60% or more in TEE Physics.
Co-requisite: Internet access if studying externally.

[ ] Energy Policy (PEC591)
Prerequisites: Nil. Recommended: PEC492/PEC592 Energy in Society.
Co-requisite: Internet access if studying externally.

[ ] Energy Studies Project (PEC596)
Prerequisites: PEC592 Energy in Society and PEC594 Energy Management and enrolment in the PGradDip in Energy Studies or the PGradDip in Energy and the Environment or the MSc in Renewable Energy.
Co-requisite: Internet access if studying externally.

[ ] Energy Systems (PEC590)
Prerequisites: Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies, or Master of Science in Renewable Energy. Recommended: PEC492/PEC592 Energy in Society and knowledge of physics equivalent to PEC120 General Physics or PEC152 Principles of Physics or a final scaled score of 60% or more in TEE Physics.
Co-requisite: Internet access if studying externally.

[ ] Greenhouse Science and Policy (PEC632)
Prerequisites: Enrolment in Postgraduate level.
Co-requisite: Internet access if studying externally.

[ ] Life Cycle Analysis and Greenhouse Accounting (PEC611)
Prerequisites: Enrolment in a Postgraduate level course in Energy Studies.
Co-requisite: Internet access if studying externally.

[ ] Renewable Energy and Sustainable Development (PEC587)
Prerequisites: Nil. Recommended: PEC492/PEC592 Energy in Society.
Co-requisite: Internet access if studying externally.

GRADUATE DIPLOMA IN EXTRACTIVE METALLURGY

School of Chemical and Mathematical Sciences

Graduate Diploma in Extractive Metallurgy (GradDipExtMet)

http://www.murdoch.edu.au/contacts/academic/School_of_Chemical_and_Mathematical_Sciences

Course Structure — 24 points

Students are required either to select six of the units listed below, or four of those units and a project, depending on the student's background and as recommended by the Program Chair.

[ ] EXM224 Principles of Unit Operations — 4 pts
Murdoch: S1-internal, S1-external

[ ] EXM256 Process Mineralogy — 4 pts
Murdoch: S2-internal, S2-external

[ ] PEC201 Thermodynamics — 4 pts
Murdoch: S2-internal, S2-external

[ ] EXM301 Mineral Processing I — 4 pts
Murdoch: S1-internal, S1-external

[ ] EXM302 Mineral Processing II — 4 pts
Murdoch: S2-internal, S2-external

[ ] EXM357 Hydrometallurgy — 4 pts
Murdoch: S2-internal

[ ] EXM358 Pyrometallurgy — 4 pts
Murdoch: S1-internal

[ ] EXM455 Project in Extractive Metallurgy — 8 pts
Murdoch: S1-internal, S1-external, S2-internal, S2-external

PREREQUISITES — GRADUATE DIPLOMA IN EXTRACTIVE METALLURGY

[ ] Hydrometallurgy (EXM357)
Prerequisites: M201/PEC201 Chemical Thermodynamics, or enrolment in G1034 Graduate Diploma in Extractive Metallurgy.

[ ] Mineral Processing I (EXM301)
Prerequisites: M131/EXM131 Introduction to Extractive Metallurgy,and M182/MAS182 Applied Mathematics or M161/MAS161 Calculus and Matrix Algebra OR enrolment in G1034 Graduate Diploma in Extractive Metallurgy.
Co-requisite: Internet access if studying externally.

[ ] Mineral Processing II (EXM302)
Prerequisites: M131/EXM131 Introduction to Extractive Metallurgy,and M182/MAS182 Applied Mathematics or M161/MAS161 Calculus and Matrix Algebra OR enrolment in G1034 Graduate Diploma in Extractive Metallurgy.
Co-requisite: Internet access if studying externally.

[ ] Principles of Unit Operations (EXM224)
Prerequisites: M182/MAS182 Applied Mathematics or M161/MAS161 Calculus and Matrix Algebra and M152/PEC152 Principles of Physics or high school physics, or enrolment in G1034 Graduate Diploma in Extractive Metallurgy.
Co-requisite: Internet access if studying externally.

[ ] Process Mineralogy (EXM256)
Prerequisites: M130/EXM130 Geological Processes or equivalent, or approval of the Unit Coordinator, or enrolment in G1034 Graduate Diploma in Extractive Metallurgy.
Co-requisite: Internet access if studying externally.

[ ] Project in Extractive Metallurgy (EXM455)
Prerequisites: Admission to Postgraduate Diploma in Extractive Metallurgy or enrolment in G1034 Graduate Diploma in Extractive Metallurgy.
Co-requisite: Internet access if studying externally.

[ ] Pyrometallurgy (EXM358)
Prerequisites: M201/PEC201 Chemical Thermodynamics, or enrolment in G1034 Graduate Diploma in Extractive Metallurgy.

[ ] Thermodynamics (PEC201)
Prerequisites: MAS161 Calculus and Matrix Algebra or MAS182 Applied Mathematics or MAS183 Statistical Data Analysis and Databases; PEC152 Principles of Physics; PEC114 Chemistry for Biological Sciences or PEC115 Chemistry for Environmental Science or PEC116 Chemistry for Physical Sciences or PEC144 Chemical Principles or enrolment in G1034 Graduate Diploma in Extractive Metallurgy.
Co-requisite: Internet access if studying externally.

MASTER OF SCIENCE IN EXTRACTIVE METALLURGY

School of Chemical and Mathematical Sciences

Master of Science (MSc) in Extractive Metallurgy

http://www.murdoch.edu.au/contacts/academic/School_of_Chemical_and_Mathematical_Sciences

Course Structure — 24 points

Core Units — 16 or 20 points

[ ] EXM501 Operating Practices in Extractive Metallurgy — 4 pts
Murdoch: H-internal, S1-internal, S2-internal, Y-internal

[ ] EXM502 Processing Techniques in Extractive Metallurgy — 4 pts
Murdoch: H-internal, S1-internal, S2-internal, Y-internal

[ ] EXM555 Research Project and Dissertation in Extractive Metallurgy — 12 pts
Murdoch: H-internal, S1-internal, S2-internal, Y-internal
OR

[ ] EXM555-08 Research Project and Dissertation in Extractive Metallurgy — 8 pts
Murdoch: H-internal, S1-internal, S2-internal, Y-internal

Specified Electives — 4 or 8 points

Select from the following:

[ ] EXM503 Process Design Methodologies — 4 pts
Murdoch: H-internal, S1-internal, S2-internal, Y-internal

[ ] EXM435 Advanced Topics in Extractive Metallurgy — 4 pts
Murdoch: Y-internal

PREREQUISITES — MASTER OF SCIENCE IN EXTRACTIVE METALLURGY

[ ] Advanced Topics in Extractive Metallurgy (EXM435)
Prerequisites: M301/EXM301 Mineral Processing I, M302/EXM302 Mineral Processing II, M357/EXM357 Hydrometallurgy, M358/EXM358 Pyrometallurgy, or by permission of the Unit Coordinator.

[ ] Operating Practices in Extractive Metallurgy (EXM501)
Prerequisites: Enrolment in Master of Science in Extractive Metallurgy.

[ ] Process Design Methodologies (EXM503)
Prerequisites: Enrolment in Master of Science in Extractive Metallurgy.

[ ] Processing Techniques in Extractive Metallurgy (EXM502)
Prerequisites: Enrolment in Master of Science in Extractive Metallurgy.

[ ] Research Project and Dissertation in Extractive Metallurgy (EXM555)
Prerequisites: Enrolment in Master of Science in Extractive Metallurgy.
Co-requisite: Internet access if studying externally.

[ ] Research Project and Dissertation in Extractive Metallurgy (EXM555-08)
Prerequisites: Co-requisite: Internet access if studying externally.

POSTGRADUATE DIPLOMA IN ENERGY AND THE ENVIRONMENT

School of Engineering and Energy

Postgraduate Diploma in Energy and the Environment (PgDipEnEnv)

http://www.murdoch.edu.au/contacts/academic/School_of_Engineering_and_Energy

ENERGY, ENVIRONMENT AND SUSTAINABILITY

Course Structure — 24 points

Core Units — 4 points

[ ] PEC592 Energy in Society — 4 pts
Murdoch: S1-internal, S1-external, S2-external, Y-external

Specified Electives — 20 points

Select 8 points from the Energy Studies electives and 8 points from the Environmental Science electives. The remaining 4 points may be chosen from either list.

Energy Studies Electives

[ ] PEC594 Energy Management — 4 pts
Murdoch: S1-internal, S1-external, S2-external, Y-external

[ ] PEC590 Energy Systems — 4 pts
Murdoch: S2-internal, S2-external, Y-external

[ ] PEC591 Energy Policy — 4 pts
Murdoch: S2-internal, S2-external, Y-external

[ ] PEC593 Energy Economics — 4 pts
Murdoch: H-external, S1-internal, S1-external

[ ] PEC632 Greenhouse Science and Policy — 4 pts
Murdoch: H-external, S1-internal, S1-external

[ ] PEC670 Energy Efficient Building Design — 4 pts
Murdoch: S1-internal, S1-external

[ ] PEC587 Renewable Energy and Sustainable Development — 4 pts
Murdoch: S2-internal, S2-external, Y-external

[ ] PEC596 Energy Studies Project — 4 pts
Murdoch: S1-internal, S1-external, S2-internal, S2-external, Y-external
(this unit is usually taken in the last semester)

[ ] PEC627 Advanced Energy Policy: Electricity Market Reform — 4 pts
Murdoch: S1-internal, S2-external

[ ] PEC611 Life Cycle Analysis and Greenhouse Accounting — 4 pts
Murdoch: S2-internal, S2-external, Y-external

Environmental Science Electives

[ ] ENV528 Environmental Policy and Law — 4 pts
Murdoch: S2-internal, S2-external

[ ] ENV616 Environmental Policy for the 21st Century — 4 pts
Murdoch: S1-internal, S1-external

[ ] ENV520 Principles of Environmental Impact Assessment — 4 pts
Murdoch: S1-internal, S1-external

[ ] ENV513 Atmospheric Science — 4 pts
Murdoch: S1-internal, S1-external

[ ] ENV505 Environmental Monitoring — 4 pts
Murdoch: S2-internal, S2-external

[ ] ENV522 Techniques for Environmental Impact Assessment — 4 pts
Murdoch: S1-internal, S1-external

GLOBAL WARMING AND CLIMATE SCIENCE

Course Structure — 24 points

Core Units — 20 points

[ ] PEC592 Energy in Society — 4 pts
Murdoch: S1-internal, S1-external, S2-external, Y-external

Energy Studies Units — 8 points

[ ] PEC591 Energy Policy — 4 pts
Murdoch: S2-internal, S2-external, Y-external

[ ] PEC632 Greenhouse Science and Policy — 4 pts
Murdoch: H-external, S1-internal, S1-external

Environmental Science Units — 8 points

[ ] ENV513 Atmospheric Science — 4 pts
Murdoch: S1-internal, S1-external

[ ] ENV630 Special Topics in Environmental Science: Earth System Science — 4 pts
Murdoch: S2-internal, S2-external

Specified Electives — 4 points

Select 4 points from either the Energy Studies or Environmental Science electives in the Energy, Environment and Sustainability Specialisation.

PREREQUISITES — POSTGRADUATE DIPLOMA IN ENERGY AND THE ENVIRONMENT

[ ] Advanced Energy Policy: Electricity Market Reform (PEC627)
Prerequisites: PEC491/PEC591 Energy Policy.
Co-requisite: Internet access if studying externally.

[ ] Atmospheric Science (ENV513)
Prerequisites: Co-requisite: Internet access if studying externally.

[ ] Energy Economics (PEC593)
Prerequisites: Co-requisite: Internet access if studying externally.

[ ] Energy Efficient Building Design (PEC670)
Prerequisites: Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies, MSc Renewable Energy or MSc Environmental Architecture. Recommended: knowledge of physics equivalent to PEC120 General Physics, a final scaled score of 60% or more in TEE Physics or PEC152 Principles of Physics.
Co-requisite: Internet access if studying externally.

[ ] Energy in Society (PEC592)
Prerequisites: Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies or Master of Science in Renewable Energy. Recommended: knowledge of physics equivalent to M120/PEC120 Introduction to Physics, a final scaled score of 60% or more in TEE Physics or PEC152 Principles of Physics.
Co-requisite: Internet access if studying externally.

[ ] Energy Management (PEC594)
Prerequisites: Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies,r Master of Science in Renewable Energy or Master of Science in Environmental Architecture. Recommended: M492/PEC492/PEC592 Energy in Society and knowledge of physics equivalent to PEC120 General Physics or PEC152 Principles of Physics or a final scaled score of 60% or more in TEE Physics.
Co-requisite: Internet access if studying externally.

[ ] Energy Policy (PEC591)
Prerequisites: Nil. Recommended: PEC492/PEC592 Energy in Society.
Co-requisite: Internet access if studying externally.

[ ] Energy Studies Project (PEC596)
Prerequisites: PEC592 Energy in Society and PEC594 Energy Management and enrolment in the PGradDip in Energy Studies or the PGradDip in Energy and the Environment or the MSc in Renewable Energy.
Co-requisite: Internet access if studying externally.

[ ] Energy Systems (PEC590)
Prerequisites: Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies, or Master of Science in Renewable Energy. Recommended: PEC492/PEC592 Energy in Society and knowledge of physics equivalent to PEC120 General Physics or PEC152 Principles of Physics or a final scaled score of 60% or more in TEE Physics.
Co-requisite: Internet access if studying externally.

[ ] Environmental Monitoring (ENV505)
Prerequisites: Undergraduates: ENV102 Introduction to Environmental Science and ENV268 Ecology.
Postgraduates: Enrolment in a postgraduate science course or MA in Education for Sustainability.
Co-requisite: Internet access if studying externally.

[ ] Environmental Policy and Law (ENV528)
Prerequisites: Co-requisite: Internet access if studying externally.

[ ] Environmental Policy for the 21st Century (ENV616)
Prerequisites: Enrolment in MSc (Environmental Science), other Masters courses, the BAppSc in Energy Studies, PgCert Energy Studies, PgDip Energy and the Environment or PgDip Energy Studies.
Co-requisite: Internet access if studying externally.

[ ] Greenhouse Science and Policy (PEC632)
Prerequisites: Enrolment in Postgraduate level.
Co-requisite: Internet access if studying externally.

[ ] Life Cycle Analysis and Greenhouse Accounting (PEC611)
Prerequisites: Enrolment in a Postgraduate level course in Energy Studies.
Co-requisite: Internet access if studying externally.

[ ] Principles of Environmental Impact Assessment (ENV520)
Prerequisites: Undergraduates: completion of all of the 200-level required units in the BSc (Environmental Science).
Postgraduates: enrolment in a postgraduate environmental science, or similar, course.
Co-requisite: Internet access if studying externally.

[ ] Renewable Energy and Sustainable Development (PEC587)
Prerequisites: Nil. Recommended: PEC492/PEC592 Energy in Society.
Co-requisite: Internet access if studying externally.

[ ] Special Topics in Environmental Science: Earth System Science (ENV630)
Prerequisites: Co-requisite: Internet access if studying externally.

[ ] Techniques for Environmental Impact Assessment (ENV522)
Prerequisites: Undergraduates: completion of all of the 200-level required units in the BSc (Environmental Science).
Postgraduates: enrolment in a postgraduate environmental science, or similar, course. Completion of or concurrent enrolment in ENV520 Principles of Environmental Impact Assessment, or completion of ENV420 Principles of Environmental Impact Assessment.
Co-requisite: Internet access if studying externally.

MASTER OF ENGINEERING

School of Engineering and Energy

Master of Engineering (ME)

Further information

http://www.murdoch.edu.au/contacts/academic/School_of_Engineering_and_Energy

Course Structure — 48 points

Core Units — 48 points

Instrumentation and Control Engineering Specialisation

[ ] ENG615 Instrumentation and Control Engineering Masters Project — 12 pts
Murdoch: H-internal, S1-internal, S2-internal, SUM-internal, Y-internal

[ ] ENG618 Modelling and Simulation of Industrial Processes — 4 pts
Murdoch: S1-internal, S2-internal, SUM-internal

[ ] ENG617 Advanced SCADA Systems — 4 pts
Murdoch: S1-internal, S2-internal, SUM-internal

[ ] ENG616 Advanced Control Systems — 4 pts
Murdoch: S1-internal, S2-internal, SUM-internal

[ ] ENG564 Industrial Instrumentation Technologies — 4 pts
Murdoch: S1-internal, S2-internal, SUM-internal

[ ] ENG502 Advanced Topics in Instrumentation and Control — 4 pts
Murdoch: S1-internal, S2-internal, SUM-internal

[ ] ENG508 Design Methodologies in Instrumentation and Control — 4 pts
Murdoch: S1-internal, S2-internal, SUM-internal

[ ] ENG512 Advanced Control Design — 4 pts
Murdoch: S1-internal, S2-internal, SUM-internal

[ ] ENG514 Industrial Signals and Systems — 4 pts
Murdoch: S1-internal, S2-internal, SUM-internal

[ ] ENG501 PLC Applications — 4 pts
Murdoch: S1-internal, S2-internal, SUM-internal

PREREQUISITES — MASTER OF ENGINEERING

[ ] Advanced Control Design (ENG512)
Prerequisites: Enrolment in ME or permission of the Engineering Program Chair.

[ ] Advanced Control Systems (ENG616)
Prerequisites: Enrolment in the ME or permission of the Engineering Program Chair.

[ ] Advanced SCADA Systems (ENG617)
Prerequisites: Enrolment in the ME or permission of the Engineering Program Chair.

[ ] Advanced Topics in Instrumentation and Control (ENG502)
Prerequisites: Enrolment in the ME or permission of the Engineering Program Chair.

[ ] Design Methodologies in Instrumentation and Control (ENG508)
Prerequisites: Enrolment in the ME or permission of the Engineering Program Chair.

[ ] Industrial Instrumentation Technologies (ENG564)
Prerequisites: Enrolment in Master of Engineering or permission of the Engineering Program Chair.

[ ] Industrial Signals and Systems (ENG514)
Prerequisites: Nil.

[ ] Instrumentation and Control Engineering Masters Project (ENG615)
Prerequisites: Enrolment in the ME or permission of the Engineering Program Chair.

[ ] Modelling and Simulation of Industrial Processes (ENG618)
Prerequisites: Enrolment in the ME or permission of the Engineering Program Chair.

[ ] PLC Applications (ENG501)
Prerequisites: Enrolment in the ME or permission of the Engineering Program Chair.

MASTER OF SCIENCE IN RENEWABLE ENERGY

School of Engineering and Energy

Master of Science (MSc) in Renewable Energy

Further information

http://www.murdoch.edu.au/contacts/academic/School_of_Engineering_and_Energy

Course Structure — 24 points

Core Units — 12 points

[ ] PEC620 Case Studies of Renewable Energy Systems — 4 pts
Murdoch: S2-internal, S2-external, Y-external

[ ] PEC624 Renewable Energy Dissertation — 8 pts
Murdoch: H-internal, H-external, Y-internal, Y-external

Specified Electives — 12 points

Student may select any 12 points from any of the units listed below or complete one of the specialisations as indicated. (Students must select at least one 600-level elective to fulfil the minimum requirements of 16 points at 600-level for the MSc.)

Renewable Energy Systems

Select 12 points from the following:

[ ] PEC622 Renewable Energy Resources — 4 pts
Murdoch: H-external, S1-internal, S1-external

[ ] PEC621 Renewable Energy Devices — 4 pts
Murdoch: H-external, S1-internal, S1-external

[ ] PEC623 Renewable Energy Systems Design — 4 pts
Murdoch: S2-internal, S2-external, Y-external

[ ] PEC587 Renewable Energy and Sustainable Development — 4 pts
Murdoch: S2-internal, S2-external, Y-external

Renewable Energy Policy

Select 12 points from the following:

[ ] PEC632 Greenhouse Science and Policy — 4 pts
Murdoch: H-external, S1-internal, S1-external

[ ] STP612 Sustainability, Ecology and Communities — 4 pts
Murdoch: S1-internal, S1-external

[ ] PEC587 Renewable Energy and Sustainable Development — 4 pts
Murdoch: S2-internal, S2-external, Y-external

[ ] PEC627 Advanced Energy Policy: Electricity Market Reform — 4 pts
Murdoch: S1-internal, S2-external

[ ] PEC611 Life Cycle Analysis and Greenhouse Accounting — 4 pts
Murdoch: S2-internal, S2-external, Y-external

Energy Efficiency

Select 12 points from the following:

[ ] PEC625 Energy Efficiency, System Analysis and Auditing — 4 pts
Murdoch: S2-external, Y-external

[ ] PEC626 Industrial and Commercial Energy Efficiency Technologies — 4 pts
Murdoch: S2-external, Y-external

[ ] PEC670 Energy Efficient Building Design — 4 pts
Murdoch: S1-internal, S1-external

[ ] PEC632 Greenhouse Science and Policy — 4 pts
Murdoch: H-external, S1-internal, S1-external

Student who wish to complete other appropriate elective units from those available at the University may do so with the permission of the Program Chair. Online students may be more restricted in the electives they can take.

PREREQUISITES — MASTER OF SCIENCE IN RENEWABLE ENERGY

[ ] Advanced Energy Policy: Electricity Market Reform (PEC627)
Prerequisites: PEC491/PEC591 Energy Policy.

Co-requisite: Internet access if studying externally.

[ ] Case Studies of Renewable Energy Systems (PEC620)
Prerequisites: M492/PEC490/PEC590 Energy Systems.

Co-requisite: Internet access if studying externally.

[ ] Energy Efficiency, System Analysis and Auditing (PEC625)
Prerequisites: PEC201 Thermodynamics or equivalent, M291/PEC294/PEC494/PEC594 Energy Management or equivalent, MAS161 Calculus and Matrix Algebra or equivalent and enrolment in the PgCert Energy Studies, PgDip Energy and the Environment, PgDip Energy Studies or MSc Renewable Energy.

Co-requisite: Internet access if studying externally.

[ ] Energy Efficient Building Design (PEC670)
Prerequisites: Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies, MSc Renewable Energy or MSc Environmental Architecture. Recommended: knowledge of physics equivalent to PEC120 General Physics, a final scaled score of 60% or more in TEE Physics or PEC152 Principles of Physics.

Co-requisite: Internet access if studying externally.

[ ] Greenhouse Science and Policy (PEC632)
Prerequisites: Enrolment in Postgraduate level.

Co-requisite: Internet access if studying externally.

[ ] Industrial and Commercial Energy Efficiency Technologies (PEC626)
Prerequisites: Co- or prerequisite: PEC425/PEC625 Energy Efficiency, System Analysis and Auditing.

Co-requisite: Internet access if studying externally.

[ ] Life Cycle Analysis and Greenhouse Accounting (PEC611)
Prerequisites: Enrolment in a Postgraduate level course in Energy Studies.

Co-requisite: Internet access if studying externally.

[ ] Renewable Energy and Sustainable Development (PEC587)
Prerequisites: Nil. Recommended: PEC492/PEC592 Energy in Society.

Co-requisite: Internet access if studying externally.

[ ] Renewable Energy Devices (PEC621)
Prerequisites: M492/PEC490/PEC590 Energy Systems.

Co-requisite: Internet access if studying externally.

[ ] Renewable Energy Dissertation (PEC624)
Prerequisites: Enrolment in the MSc in Renewable Energy.

Co-requisite: Internet access if studying externally.

[ ] Renewable Energy Resources (PEC622)
Prerequisites: M492/PEC492/PEC592 Energy in Society or equivalent.

Co-requisite: Internet access if studying externally.

[ ] Renewable Energy Systems Design (PEC623)
Prerequisites: M492/PEC490/PEC590 Energy Systems or equivalent.

Co-requisite: Internet access if studying externally.

[ ] Sustainability, Ecology and Communities (STP612)
Prerequisites: Co-requisite: Internet access if studying externally.

MASTER OF SCIENCE IN ENVIRONMENTAL ARCHITECTURE

School of Engineering and Energy

Master of Science in Environmental Architecture (MScEnvArch)

Further information

http://www.murdoch.edu.au/contacts/academic/School_of_Engineering_and_Energy

Course Structure — 48 points

Core Units — 48 points

First Year — 24 points

Semester 1

[ ] PEC670 Energy Efficient Building Design — 4 pts
Murdoch: S1-internal, S1-external

[ ] PEC632 Greenhouse Science and Policy — 4 pts
Murdoch: H-external, S1-internal, S1-external

[ ] STP645 Sustainable Urban Design — 4 pts
Murdoch: AU5-internal, AU5-external
(Students studying completely externally may take STP623 Cities and Sustainability — 4 pts [Murdoch: S1-internal, S1-external] in place of this unit.)

Semester 2

[ ] ENV512 Global and Regional Sustainability — 4 pts
Murdoch: S2-internal, S2-external

[ ] PEC672 Climate Sensible Home Design — 4 pts
Murdoch: S2-internal, S2-external

[ ] PEC671 Solar Architecture and Health in Buildings — 4 pts
Murdoch: S2-internal, S2-external

Second Year — 24 points

Full Year

[ ] PEC673 Environmental Architecture Dissertation — 8 pts
Murdoch: Y-internal, Y-external

Semester 1

[ ] PEC593 Energy Economics — 4 pts
Murdoch: H-external, S1-internal, S1-external

[ ] PEC594 Energy Management — 4 pts
Murdoch: S1-internal, S1-external, S2-external, Y-external

Semester 2

[ ] PEC674 Innovation Management — 4 pts
Murdoch: S2-internal, S2-external

[ ] PEC675 Environmental Building Services — 4 pts
Murdoch: S2-internal, S2-external

PREREQUISITES — MASTER OF SCIENCE IN ENVIRONMENTAL ARCHITECTURE

[ ] Cities and Sustainability (STP623)
Prerequisites: Co-requisite: Internet access if studying externally.

[ ] Climate Sensible Home Design (PEC672)
Prerequisites: PEC470/PEC670 Energy Efficient Building Design and admission to the MSc in Environmental Architecture.

Co-requisite: Internet access if studying externally.

[ ] Energy Economics (PEC593)
Prerequisites: Co-requisite: Internet access if studying externally.

[ ] Energy Efficient Building Design (PEC670)
Prerequisites: Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies, MSc Renewable Energy or MSc Environmental Architecture. Recommended: knowledge of physics equivalent to PEC120 General Physics, a final scaled score of 60% or more in TEE Physics or PEC152 Principles of Physics.

Co-requisite: Internet access if studying externally.

[ ] Energy Management (PEC594)
Prerequisites: Enrolment in the Postgraduate Certificate in Energy Studies, Postgraduate Diploma in Energy and the Environment, Postgraduate Diploma in Energy Studies,r Master of Science in Renewable Energy or Master of Science in Environmental Architecture. Recommended: M492/PEC492/PEC592 Energy in Society and knowledge of physics equivalent to PEC120 General Physics or PEC152 Principles of Physics or a final scaled score of 60% or more in TEE Physics.

Co-requisite: Internet access if studying externally.

[ ] Environmental Architecture Dissertation (PEC673)
Prerequisites: Enrolment in MSc Environmental Architecture.

Co-requisite: Internet access if studying externally.

[ ] Environmental Building Services (PEC675)
Prerequisites: Admission to the MSc in Environmental Architecture or permission of the Unit Coordinator.

Co-requisite: Internet access if studying externally.

[ ] Global and Regional Sustainability (ENV512)
Prerequisites: Co-requisite: Internet access if studying externally.

[ ] Greenhouse Science and Policy (PEC632)
Prerequisites: Enrolment in Postgraduate level.

Co-requisite: Internet access if studying externally.

[ ] Innovation Management (PEC674)
Prerequisites: Enrolment in MSc Environmental Architecture or permission of the Unit Coordinator.

Co-requisite: Internet access if studying externally.

[ ] Solar Architecture and Health in Buildings (PEC671)
Prerequisites: PEC670 Energy Efficient Building Design and admission to the MSc in Environmental Architecture.

Co-requisite: Internet access if studying externally.

[ ] Sustainable Urban Design (STP645)
Prerequisites: Co-requisite: Internet access if studying externally.