

Handbook 2020

Coursecode

G1053

GRADUATE DIPLOMA IN ENVIRONMENTAL SCIENCE

Murdoch University

Correct as at: 14 December 2019 at 5:45am

Correct as at: 14 December 2019 at 5:45am

The information contained within this publication was correct as at the generated date shown above but is subject to amendment without notice. Enquiries concerning its contents should be addressed to:

University Secretary
Murdoch University
South Street
Murdoch
Western Australia 6150

Telephone: (08) 9360 6000

Facsimile: (08) 9360 6847

<http://www.murdoch.edu.au>

TEQSA Number PRV12163; CRICOS Provider Code: 00125J

Cancellation of Courses, Majors, Minors and Units

The University reserves the right to cancel, without notice, any course, major, minor or unit if the number of students enrolled falls below limits set by the University or in other unforeseen circumstances.

Alternative Formats

Handbook home page:

<http://handbook.murdoch.edu.au>

This publication can also be provided in alternative formats by contacting the Equity and Social Inclusion Office at Murdoch University

Telephone: (08) 9360 6084

Facsimile: (08) 9360 6502

equity@murdoch.edu.au

<http://goto.murdoch.edu.au/EquitySocialInclusion>

ISSN 0815-9068

Published by

University Secretary's Office

Murdoch University



© Murdoch University 2019

This Handbook, and its sections as individual works, is licensed under a Creative Commons Attribution Noncommercial No Derivative Works Australia 2.5 licence. You may download, reproduce, communicate, print and distribute copies of the Handbook (or any part of it) as long as it is for non-commercial purposes, you do not alter the content, and you attribute Murdoch University as the original author. For more information on this licence, see <http://creativecommons.org/licenses/by-nc-nd/2.5/au/>

Cancellation of Courses, Majors, Minors and Units

The University reserves the right to cancel, without notice, any course, major, minor or unit if the number of students enrolled falls below limits set by the University or in other unforeseen circumstances.

Group	Course	Offerings
Graduate Coursework Degrees and Professional Doctorates		
Environmental Science	Graduate Diploma in Environmental Science (GradDipEnv)	<ul style="list-style-type: none"> • Murdoch campus (internal) • Murdoch campus (external)

ENVIRONMENTAL SCIENCE

GRADUATE DIPLOMA IN ENVIRONMENTAL SCIENCE (GRADDIPENV)

Employment Prospects:

This course is relevant to those who wish to practise in environmental science in the public and private sectors in Australia and overseas.

Main Research Areas:

Environmental impact assessment, environmental management, applications of spatial data for modelling, monitoring and management

Environmental Science

Graduate Diploma in Environmental Science (GradDipEnv)

Further Study:

Students who successfully complete the Graduate Diploma may apply for direct admission to the one-year Master of Environmental Science

Availability:

- Murdoch campus (internal) Murdoch campus (external)

Special Requirements:

When taken in the external mode, some attendance may be required depending on the units selected.

Admission Requirements (Onshore):

A recognised Bachelor degree (AQF Level 7) or higher. If the first degree is not related to this area of study then at least two years of relevant work/life experience is required. Most of the units taken assume some prior knowledge, details of which are given in the description of each unit in the Handbook. Some students may therefore need to complete additional prerequisite units.

Duration: 1 year full-time or part-time equivalent

The course provides graduates from wide cognate disciplines training a graduate qualification in environmental science. It offers a broad range of subjects such as ecology, environmental policy and law, environmental monitoring, land and water management and sustainability. Completion of this course provides the opportunity for further study at progressive graduate levels in Environmental Science.

Restriction: All graduate courses are subject to restriction.

Course Codes: G1053

Course Structure - 24 credit points

Core Units - 15 credit points

ENV557 Environmental Assessment and Management - 3 points
MURDOCH: S1-internal, S1-external

ENV554 Land and Water Management - 3 points
MURDOCH: S1-internal, S1-external

ENV536 Education for Sustainability - 3 points
MURDOCH: S2-internal, S2-external

ENV558 Environmental Monitoring - 3 points
MURDOCH: S2-internal, S2-external

ENV303 GIS for Environmental Management and Planning - 3 points
MURDOCH: S2-internal (quota of 70 places), S2-external (quota of 20 places)

Students who have completed units with similar outcomes as the Core Units listed in their undergraduate study will need to complete other units as approved by the Academic Chair.

Specified Electives - 9 credit points

Select from the following:

SUS512 Sustainability, Ecology and Communities - 3 points
MURDOCH: S1-internal, S1-external

ENV556 Principles of Environmental Impact Assessment - 3 points
MURDOCH: S1-internal, S1-external

ENV527 Environmental Science Topics - 3 points
MURDOCH: S1-internal, S1-external

ENV552 Comparative Environmental Policy and Law - 3 points
MURDOCH: S1-internal, S1-external

PEN597 Climate Change Science and Policy - 3 points
MURDOCH: S1-internal, S1-external

PEN504 Greenhouse Gas Reporting and Life Cycle Assessment - 3 points
MURDOCH: S2-internal, S2-external

PEN502 Climate Change Impact Assessment - 3 points
MURDOCH: S1-internal, S1-external, S2-external

SUS523 Cities and Sustainability - 3 points
MURDOCH: S1-internal, S1-external

PREREQUISITES

Cities and Sustainability (SUS523)

Enrolment in an Honours or Graduate-level course.

Climate Change Impact Assessment (PEN502)

Enrolment in an Honours or Graduate-level course. Recommended PEN597 Climate Change Science and Policy (may be concurrent enrolment).

Climate Change Science and Policy (PEN597)

Enrolment in an honours or graduate-level course.

Comparative Environmental Policy and Law (ENV552)

Enrolment in a graduate-level (AQF level 8) course.

Education for Sustainability (ENV536)

Enrolment in Graduate Certificate in Environmental Science or Graduate Certificate in Protected Area Administration or Graduate Diploma in Environmental Science or Bachelor of Marine Science or Master of Sustainable Development, or Doctor of Education, or Masters in Education, or Graduate Diploma in Education.

Environmental Assessment and Management (ENV557)

Enrolment in Bachelor Environmental Science or Bachelor Marine Science or Graduate Certificate in Environmental Assessment and Management or Graduate Certificate in Protected Area Administration or Graduate Diploma in Energy and the Environment or Graduate Diploma in Environmental Science.

Environmental Monitoring (ENV558)

Enrolment in Bachelor Environmental Science or Bachelor Marine Science or Graduate Certificate in Environmental Science or Graduate Certificate in Protected Area Administration or Graduate Diploma in Energy and the Environment or Graduate Diploma in Environmental Science.

Environmental Science Topics (ENV527)

Enrolment in Bachelor of Marine Science or Graduate Certificate in Environmental Assessment and Management or Graduate Certificate in Environmental Science or Graduate Certificate in Protected Area Administration or Graduate Diploma in Environmental Science.

GIS for Environmental Management and Planning (ENV303)

Completion of 24 points or enrolment in an appropriate graduate qualification.

Greenhouse Gas Reporting and Life Cycle Assessment (PEN504)

Enrolment in an Honours or Graduate-level course. Recommended PEN597 Climate Change Science and Policy (may be concurrent enrolment).

Land and Water Management (ENV554)

Enrolment in a graduate-level (AQF level 8) course.

Principles of Environmental Impact Assessment (ENV556)

Enrolment in Bachelor Environmental Science or Bachelor Marine Science or Graduate Certificate in Environmental Assessment and Management or Graduate Diploma in Environmental Science or Graduate Diploma in Energy and the Environment or Master of Sustainable Development or Master of Public Policy and Management.

Sustainability, Ecology and Communities (SUS512)

Enrolment in an Honours or Graduate-level course.