

# Handbook 2020

**Coursecode**

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M1232

MASTER OF WILDLIFE HEALTH AND CONSERVATION

**Murdoch University**

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#### **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

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

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**Cancellation of Courses, Majors, Minors and Units**

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Group	Course	Offerings
<b>Graduate Coursework Degrees and Professional Doctorates</b>		
<b>Wildlife Health and Conservation</b>	Master of Wildlife Health and Conservation (MWildlifeHth)	<ul style="list-style-type: none"> <li>• Murdoch campus (internal) (subject to approval of Academic Chair)</li> <li>• Murdoch campus (external)</li> </ul>

## WILDLIFE HEALTH AND CONSERVATION

### MASTER OF WILDLIFE HEALTH AND CONSERVATION (MWILDLIFEHTH)

#### Veterinary Medicine

Master of Wildlife Health and Conservation (MWildlifeHth)

Course Codes: M1232

Restriction: All graduate courses are subject to restriction.

Duration: 2 semesters full-time or part-time equivalent

#### Availability:

- Murdoch campus (internal) (subject to approval of Academic Chair)
- Murdoch campus (external)

The Master of Wildlife Health and Conservation aims to provide graduates of biology, ecology, and environmental science with applied training in veterinary aspects of wildlife health that can be incorporated into conservation and global health programs, including practical and theoretical research skills required to work in this arena such as Disease Risk Analysis, disease surveillance methods and techniques, and pathology of wildlife. A primary focus of the program is to develop an understanding of where wildlife health sits in the broader field of One Health (the intersection of human, animal and environmental health), so that graduates can confidently apply their knowledge to work in the transdisciplinary environment that is required for contemporary conservation research.

#### Employment Prospects:

This course will provide graduates with a broad range of career opportunities delivering expertise in wildlife health and disease as it applies to conservation outcomes. These include organisations involved in species conservation/recovery and translocation/reintroduction programs, such as conservation NGOs, government conservation/wildlife departments, zoos, and other not-for-profit wildlife agencies.

#### Admission Requirements (Onshore):

Completion of an AQF Level 8 qualification, in the biological, ecological, environmental or animal sciences, e.g. Honours, Graduate Certificate or Graduate Diploma. Students with a Bachelor's degree in the biological, ecological, environmental or animal sciences with relevant work experience are also eligible for admission as determined by the Academic Chair.

#### Special Requirements:

Internet access is required for all students.

#### Main Research Areas:

Epidemiology and disease ecology, conservation biology, wildlife health and pathology.

### Course Structure - 24 credit points

#### Core Units - 12 credit points

VET603 One Health: Wildlife Perspectives - 3 points  
MURDOCH: S1-internal, S1-external

VET604 Principles of Wildlife Health - 3 points  
MURDOCH: S1-internal, S1-external

VET605 Wildlife Comparative Pathology - 3 points  
MURDOCH: S2-internal, S2-external

VET606 Wildlife Epidemiology and Disease Risk Analysis - 3 points  
MURDOCH: S2-internal, S2-external

#### Specified Electives - 12 credit points

Select from the following:

VLS683 Advanced Research Methods for Scientists - 3 points  
MURDOCH: S1S-internal, S1S-external, S2N3-internal, S2N3-external

VET6531 Wildlife Health and Conservation Dissertation - 12 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

VET654 Wildlife Health and Conservation Project - 9 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

VET654-06 Wildlife Health and Conservation Project - 6 points  
MURDOCH: H-internal, H-external, S1-internal, S1-external, S2-internal, S2-external, Y-internal, Y-external

VET654-03 Wildlife Health and Conservation Project - 3 points  
MURDOCH: S1-internal, S1-external, S2-internal, S2-external

BIO606 Aquatic Biosecurity - 3 points  
Not available this year

BIO639 Global Biosecurity - 3 points  
MURDOCH: S1-internal, S1-external

BIO681 Challenges in Food Security - 3 points  
MURDOCH: S2-internal, S2-external

ENV616 Environmental Policy for the 21st Century - 3 points  
<span data-type="offering" data-unit="ENV616">MURDOCH: S1-internal (quota of 30 places), S1-external (quota of 10 places)</span>

ENV680 Climate Change Adaptation: Ecosystems and Societies - 3 points  
MURDOCH: S2-internal, S2-external

VET655 One Health Management and Leadership - 3 points

VET656 Public Health and Epidemiology - 3 points  
MURDOCH: S2-internal

SWM628 Development and Sustainability - 3 points  
MURDOCH: W-internal

SWM646 Parliamentary Democracy - 3 points  
Not available this year

## PREREQUISITES

#### Advanced Research Methods for Scientists (VLS683)

Enrolment in Honours or a graduate-level (AQF level 9) course or Bachelor Environmental Science.

#### Aquatic Biosecurity (BIO606)

Enrolment in Masters-level course.

#### Challenges in Food Security (BIO681)

Enrolment in a graduate-level course.

#### Climate Change Adaptation: Ecosystems and Societies (ENV680)

Enrolment in a graduate-level course.

#### Development and Sustainability (SWM628)

Enrolment in Master of Business Administration (Global) or Master of Business Administration Professional Practice or Master of Community Development or Master of Development Studies or Master of Food Security or Master of Health Administration, Policy and Leadership or Master of International Affairs and Security or Master of Public Policy and Management or Master of Veterinary Studies (Conservation Medicine) or Master of Wildlife Health and Conservation

#### Environmental Policy for the 21st Century (ENV616)

Enrolment in Master-level qualification or Graduate Diploma in Energy and the Environment.

**Global Biosecurity (BIO639)**

Enrolment in a graduate-level course.

**One Health Management and Leadership (VET655)**

Enrolment in Master of Health Policy and Leadership or Master of Health Administration, Policy and Leadership.

**One Health: Wildlife Perspectives (VET603)**

Students must be enrolled in the following:

Master of Wildlife Health and Conservation (M1232) or the Master of Veterinary Studies in Conservation Medicine (M1122).

**Parliamentary Democracy (SWM646)**

Enrolment in a graduate-level course.

**Principles of Wildlife Health (VET604)**

Students must be enrolled in the following:

Master of Wildlife Health and Conservation (M1232) or the Master of Veterinary Studies in Conservation Medicine (M1122).

**Public Health and Epidemiology (VET656)**

Enrolment in: Master of Health Policy and Leadership; Master of Health Administration, Policy and Leadership; Master of Wildlife Health and Conservation; Master of Business Administration (Global); Master of Veterinary Studies (Conservation Medicine); Graduate Certificate in Health Administration, Policy and Leadership; Graduate Certificate in One Health; or permission of the Unit Co-ordinator.

**Wildlife Comparative Pathology (VET605)**

Students must be enrolled in the following:

Master of Wildlife Health and Conservation (M1232) or the Master of Veterinary Studies in Conservation Medicine (M1122).

**Wildlife Epidemiology and Disease Risk Analysis (VET606)**

Students must be enrolled in the following:

Master of Wildlife Health and Conservation (M1232) or the Master of Veterinary Studies in Conservation Medicine (M1122).

**Wildlife Health and Conservation Dissertation (VET6531)**

Students must be enrolled in the following:

Master of Wildlife Health and Conservation (M1232) or the Master of Veterinary Studies in Conservation Medicine (M1122).

**Wildlife Health and Conservation Project (VET654)**

Students must be enrolled in the following:

Master of Wildlife Health and Conservation (M1232) or the Master of Veterinary Studies in Conservation Medicine (M1122).

**Wildlife Health and Conservation Project (VET654-03)**

Students must be enrolled in the following:

Master of Wildlife Health and Conservation (M1232) or the Master of Veterinary Studies in Conservation Medicine (M1122).

**Wildlife Health and Conservation Project (VET654-06)**

Students must be enrolled in the following:

Master of Wildlife Health and Conservation (M1232) or the Master of Veterinary Studies in Conservation Medicine (M1122).