

Handbook 2020

Coursecode

M1275

MASTER OF EXERCISE SCIENCE (RESEARCH)

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>

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Group**Course****Offerings****Graduate Research Degrees**

Group	Course	Offerings
Exercise Science	Master of Exercise Science (Research) (MExSc(Res))	• Murdoch campus (internal)

EXERCISE SCIENCE

MASTER OF EXERCISE SCIENCE (RESEARCH) (MEXSC(RES))

Psychology

Restriction: All graduate courses are subject to restriction.

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

Master of Exercise Science (Research) (MExSc(Res))

Exercise Science is a growing discipline within Australia and worldwide. This degree will develop your skills in prescribing exercise to individuals with complex and chronic conditions while developing your research skills. In your first year of study you will undertake an internship within Murdoch's Exercise Science Research program rated as 'Above World Standard' in the most recent round of the Excellence in Research Australia assessment (<http://www.arc.gov.au/era-reports%20>). The culmination of the course is the undertaking of a research project into a specific question in Exercise Science ranging from improving sports performance in elite athletes to the best exercise to improve health outcomes for a range of individuals and pathologies.

This course is designed for:

* Graduates of sport and exercise science programs looking to develop clinical and research skills.

* Those hoping to proceed to higher degrees but lacking in the conventional background.

This course requires students to undertake work-based training through a compulsory work-based placement as part of their studies.

Employment Prospects:

Clinical Exercise Physiology Clinics, Research Institutes, Professional Sporting Teams.

Course Codes: M1275

Admission Requirements (Onshore):

Minimum Bachelor Degree (AQF level 7 or international equivalent) in Exercise Science, Sport Science or related discipline.

Main Research Areas:

Exercise Science, Exercise Physiology, Sports Science, Rehabilitation, Biomechanics, Motor Control, Strength and Conditioning, Injury Prevention, diabetes, Performance, Obesity, Physical Activity.

Availability:

- Murdoch campus (internal)

Course Structure - 48 credit points

Year 1 - 24 credit points

EXS501 Cardiopulmonary Rehabilitation - 3 points
MURDOCH: T1-internal

EXS502 Metabolic Rehabilitation - 3 points
MURDOCH: T1-internal

EXS503 Neuromuscular Rehabilitation - 3 points
MURDOCH: T1-internal

EXS504 Advanced Topics in Exercise Physiology - 3 points
MURDOCH: T3-internal

EXS590 Research Methods for Exercise Science - 3 points
MURDOCH: T2-internal

EXS692 Literature Review and Research Proposal in Exercise and Rehabilitation Sciences - 6 points
MURDOCH: T1-internal

EXS610 Exercise Science Research Practicum - 3 points
MURDOCH: TS23-placement

Year 2 - 24 credit points

EXS699 Thesis in Exercise Science - 24 points
MURDOCH: TS13-internal, TS32-internal, YU2-internal

PREREQUISITES

Advanced Topics in Exercise Physiology (EXS504)

Enrolment in G1073 Graduate Diploma in Clinical Exercise Physiology or B1336 BSc/GradDipClinExPhys or B1349;BSportExSc+GradDipClinExPhys; and completion of either EXS501 or EXS502 or EXS503.

Cardiopulmonary Rehabilitation (EXS501)

Enrolment in G1073 Graduate Diploma in Clinical Exercise Physiology or B1336 BSc/GradDipClinExPhys OR B1349 BSportExSc/GradDipClinExPhys and completion of years 1-3.

Exercise Science Research Practicum (EXS610)

Enrolment in Master of Exercise Science.

Literature Review and Research Proposal in Exercise and Rehabilitation Sciences (EXS692)

Enrolment in any Master's degree or Honours in Movement Science (BSc(Hons)) or Honours in Sport and Health Science (BSc(Hons)) or Honours in Exercise Physiology (BSc(Hons)) or Honours in Chiropractic (BSc(Hons)).

Metabolic Rehabilitation (EXS502)

Enrolment in G1073 Graduate Diploma in Clinical Exercise Physiology or B1336 BSc/GradDipClinExPhys OR B1349 BSportExSc/GradDipClinExPhys and completion of years 1-3.

Neuromuscular Rehabilitation (EXS503)

Enrolment in G1073 Graduate Diploma in Clinical Exercise Physiology or B1336 BSc/GradDipClinExPhys OR B1349 BSportExSc/GradDipClinExPhys and completion of years 1-3.

Research Methods for Exercise Science (EXS590)

Enrolment in G1073 Graduate Diploma in Clinical Exercise Physiology or B1336 BSc/GradDipClinExPhys OR B1349 BSportExSc/GradDipClinExPhys and completion of years 1-3.

Thesis in Exercise Science (EXS699)

EXS590 Research Methods for Exercise Science. Co-Requisite EXS692 Research Methods in Exercise and Rehabilitation Sciences