

Handbook 2020

Coursecode

G1085

GRADUATE DIPLOMA IN FORENSIC SCIENCE (PROFESSIONAL PRACTICE)

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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Cancellation of Courses, Majors, Minors and Units

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| Group | Course | Offerings |
|--|---|-----------------------------|
| Graduate Coursework Degrees and Professional Doctorates | | |
| Forensic Science | Graduate Diploma in Forensic Science (Professional Practice) (GradDipForSc(ProfessionalPractice)) | • Murdoch campus (internal) |

FORENSIC SCIENCE

GRADUATE DIPLOMA IN FORENSIC SCIENCE (PROFESSIONAL PRACTICE) (GRADDIPFORSC(PROFESSIONALPRACTICE))

Medical, Molecular and Forensic Sciences

Graduate Diploma in Forensic Science (Professional Practice)
(GradDipForSc(ProfessionalPractice))

Course Codes: G1085

Employment Prospects:

This course is designed to generate graduates with the skills needed to work with the police and other investigative authorities as Forensic Investigators or Crime Scene Officers.

Availability:

- Murdoch campus (internal)

This course provides science graduates or equivalent, with professional training in crime scene investigation and the associated forensic science disciplines to international standards. Students develop the theoretical and practical skills relevant to the forensic investigation of volume and serious crimes. In addition to gaining instruction in the core forensic disciplines, training is also provided in forensic specialisms (pathology, anthropology, disaster victim identification (DVI) entomology, palynology). Reconstruction of the different crime scene types and processing by the students is emphasised, as is the collection, processing and interpretation of biological and physical evidence. In addition, as a forensic/ crime scene investigator you will undertake 'capstone' field trips to a dedicated outdoor facility, to process a mock murder scene and a body recovery exercise. The mock scene processing: interpretation, recording/ documentation, evidence collection sources of contamination, quality assurance procedures and the admissibility of evidence are undertaken as a prelude to your generation of expert witness reports and courtroom testimony.

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

Admission Requirements (Offshore):

Evidence of studies at university level (AQF Level 7) in biology or biochemistry or chemistry. Applicants who can show equivalent knowledge through vocational training and/or experience will be considered.

Restriction: All graduate courses are subject to restriction.

Admission Requirements (Onshore):

Evidence of studies at university level (AQF Level 7) in biology or biochemistry or chemistry. Applicants who can show equivalent knowledge through vocational training and/or experience will be considered.

Main Research Areas:

Forensic DNA Analysis; Fingerprinting Technologies; Toxicology and Metabolomics; Bloodstain Pattern Analysis; Wildlife Forensics.

Course Structure - 24 credit points

Core Units - 24 credit points

BIO596 Crime Scene Investigation I - 3 points
MURDOCH: S2-internal

BIO597 Homicide and Death Investigation - 3 points
MURDOCH: S2-internal

BIO598 Fingerprinting and Impression Evidence - 3 points
MURDOCH: S2-internal

BIO599 Human DNA Profiling - 3 points
MURDOCH: S2-internal

BIO685 Crime Scene Investigation II - 3 points
MURDOCH: S1-internal

BIO682 Forensic Chemistry - 3 points
MURDOCH: S1-internal

BIO692 Bloodstain Pattern Analysis - 3 points
MURDOCH: S1-internal

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

PREREQUISITES

Advanced Research Methods for Scientists (VLS683)

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

Bloodstain Pattern Analysis (BIO692)

Enrolment in Graduate Certificate in Forensic Science (Professional Practice) or Graduate Diploma in Forensic Science (Professional Practice) or Master of Forensic Science (Professional Practice) or Master of Forensic Science (Professional Practice and Research)

Crime Scene Investigation I (BIO596)

Enrolment in Graduate Certificate in Forensic Science (Professional Practice) or Graduate Diploma in Forensic Science (Professional Practice) or Master of Forensic Science (Professional Practice) or Master of Forensic Science (Professional Practice and Research)

Crime Scene Investigation II (BIO685)

Enrolment in Graduate Certificate in Forensic Science (Professional Practice) or Graduate Diploma in Forensic Science (Professional Practice) or Master of Forensic Science (Professional Practice) or Master of Forensic Science (Professional Practice and Research)

Fingerprinting and Impression Evidence (BIO598)

Enrolment in Graduate Certificate in Forensic Science (Professional Practice) or Graduate Diploma in Forensic Science (Professional Practice) or Master of Forensic Science (Professional Practice) or Master of Forensic Science (Professional Practice and Research).

Forensic Chemistry (BIO682)

Enrolment in:
C1131 Graduate Certificate in Forensic Science (Professional Practice) OR Graduate Diploma in Forensic Science (Professional Practice) OR M1255 Master of Forensic Science (Professional Practice) OR Master of Forensic Science (Professional Practice and Research)

Homicide and Death Investigation (BIO597)

Enrolment in Graduate Certificate in Forensic Science (Professional Practice) or Graduate Diploma in Forensic Science (Professional Practice) or Master of Forensic Science (Professional Practice) or Master of Forensic Science (Professional Practice and Research)

Human DNA Profiling (BIO599)

Enrolment in Graduate Certificate in Forensic Science (Professional Practice) or Graduate Diploma in Forensic Science (Professional Practice) or Master of Forensic Science (Professional Practice) or Master of Forensic Science (Professional Practice and Research)