

# NATS 7026 FORENSIC RESEARCH 1

**Credit Points** 10

**Legacy Code** 301129

**Coordinator** Chris Lennard (<https://directory.westernsydney.edu.au/search/name/Chris Lennard/>)

**Description** This unit provides the basic framework and methodology required for planning and executing forensic research. The unit encompasses the scientific methods, practical tools and organizational skills important for implementing independent and original forensic research at an international level.

**School** Science

**Discipline** Forensic Science

**Student Contribution Band** HECS Band 2 10cp

**Level** Postgraduate Coursework Level 7 subject

## Restrictions

Students must be enrolled in the Master of Forensic Science, the Graduate Diploma in Forensic Science, or the Graduate Certificate in Forensic Science.

## Assumed Knowledge

Knowledge of general science as obtained via an undergraduate science degree (with completion of chemistry and biology subjects highly recommended).

## Learning Outcomes

On successful completion of this subject, students should be able to:

1. Understand research project management responsibilities with respect to health and safety and research ethics on a local and global level.
2. Appreciate scientific methods underpinning forensic research.
3. Effectively review research literature, formulate hypotheses and design scientific experiments.
4. Critically analyse and interpret experimental research data.
5. Apply critical and lateral thinking skills to independent forensic research.
6. Effectively communicate and transfer forensic research knowledge using skills developed for report writing and presentation.

## Subject Content

1. Scientific Research Methods
2. Research Project Management
3. Undertaking a Literature Review
4. Experimental Methods for Hypothesis Testing
5. Experimental Design
6. Data Collection
7. Basic Statistical Methods and Data Presentation
8. Report Writing and Scientific Publications
9. Conference Presentations

## Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are

regularly updated, where there is a difference your Learning Guide takes precedence.

Item	Length	Percent	Threshold	Individual/Group Task
Online quiz at the end of each unit module	8 x 20 minutes	40	N	Individual
Literature review	2000 words	30	N	Individual
Poster presentation	1000 words	30	N	Individual

Teaching Periods

## Uni of Florida/Canberra-Term 2

### Online

### Online

**Subject Contact** Chris Lennard (<https://directory.westernsydney.edu.au/search/name/Chris Lennard/>)

View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=NATS7026\\_22-FT2\\_ON\\_0#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=NATS7026_22-FT2_ON_0#subjects))