

NATS 7013 EXPLOSIVES

Credit Points 10

Legacy Code 301156

Coordinator Mark Williams ([https://directory.westernsydney.edu.au/search/name/Mark Williams/](https://directory.westernsydney.edu.au/search/name/Mark%20Williams/))

Description The subject provides information on the range of explosive compounds that may be encountered in incidents involving national security. It also covers improvised explosive devices, security screening applications, bomb scene management, and the forensic recovery and analysis of explosive residues. The subject concludes with case studies designed to illustrate the concepts covered in the preceding modules.

School Science

Discipline Forensic Science

Student Contribution Band HECS Band 2 10cp

Level Postgraduate Coursework Level 7 subject

Restrictions

Students must be enrolled in 3741 Master of Forensic Science, 3742 Graduate Diploma in Forensic Science or 3743 Graduate Certificate in Forensic Science.

Learning Outcomes

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

- gather, analyse, evaluate, interpret and present information relevant to the criminal use of explosives in a systematic and insightful way
- detect and identify potential explosive threats and use reflective practice and independent critical thinking to determine the appropriate tools and procedures to implement for rapid and effective solutions
- apply foresight, initiative and leadership skills to implement effective decisions and cope with novel situations, both independently and collaboratively

Subject Content

- Explosive compounds and mixtures
- Organic explosives
- Peroxide-based explosives
- Improvised explosive devices
- Screening technologies
- Forensic analysis of explosives
- Bomb scene management
- Case study - Bali bombings 2002

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.

Type	Length	Percent	Threshold	Individual/ Group Task
Final Exam	Not specified	100	N	Individual

Teaching Periods

Uni of Florida/Canberra-Term 2 (2022)

Online

Online

Subject Contact Chris Lennard ([https://directory.westernsydney.edu.au/search/name/Chris Lennard/](https://directory.westernsydney.edu.au/search/name/Chris%20Lennard/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=NATS7013_22-FT2_ON_O#subjects)

Florida Term 2 (2023)

Online

Online

Subject Contact Mark Williams ([https://directory.westernsydney.edu.au/search/name/Mark Williams/](https://directory.westernsydney.edu.au/search/name/Mark%20Williams/))

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=NATS7013_23-FT2_ON_2#subjects)