

NATS 7035 MEDICINAL CHEMISTRY OF DRUGS OF ABUSE

Credit Points 10

Legacy Code 301140

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

Description This subject will address the fundamental concepts and principles involved in the examination of biological evidence and the practices of serology as they relate to crime scene and forensic investigation. This subject is taught by the University of Florida as part of a collaborative venture between the University of Florida and Western Sydney University. Note: Further information on this subject is available from the University of Florida.

School Science

Discipline Forensic Science

Student Contribution Band HECS Band 2 10cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

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:

1. To understand the structure of the US controlled substances act and the definitions of each drug classification
2. To understand the models of addiction and the observations on which they are based
3. To understand the pharmacological and abuse profiles of the CNS depressants, barbiturates and benzodiazepines
4. To understand the pharmacological and abuse profiles of the CNS depressant, alcohol
5. To understand the pharmacological and abuse profiles of the opioid drugs
6. To understand the pharmacological and abuse profiles of the hallucinogens
7. To understand the pharmacological and abuse profiles of the cannabinoids
8. To understand the pharmacological and abuse profiles of the CNS stimulants, cocaine and the amphetamines
9. To understand the pharmacological and abuse profiles of inhalants

Subject Content

Module 1 Drug Classes and Controlled Substances Act
Module 2 Drug Dependence and Addiction
Module 3 CNS Depressants
Module 4 Alcohol
Module 5 Opioids
Module 6 Cannabinoids

Module 7 Hallucinogens
Module 8 CNS Stimulants
Module 9 CNS Volatile Substances

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	Mandatory
Final Exam	Not specified	100	N	Individual	N

Teaching Periods

Uni of Florida - Term 1 (2025)

Online

Online

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View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=NATS7035_25-FT1_ON_2#subjects)

Uni of Florida - Term 2 (2025)

Online

Online

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