

# 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/](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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## Uni of Florida - Term 2 (2025)

### Online

#### Online

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