

NATS 7035 MEDICINAL CHEMISTRY OF DRUGS OF ABUSE

Credit Points 10

Legacy Code 301140

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

Description This unit 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 unit 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 unit is available from the University of Florida.

School 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:

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

Teaching Periods

2022 Trimester 1

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=NATS7035_22-FT1_ON_O#subjects)

2022 Trimester 2

Online

Online

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