

Summary Information

Module Code	6102FSBMOL
Formal Module Title	Drug Analysis and Toxicology
Owning School	Pharmacy & Biomolecular Sciences
Career	Undergraduate
Credits	20
Academic level	FHEQ Level 6
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
Pharmacy & Biomolecular Sciences

Learning Methods

Learning Method Type	Hours
Lecture	30
Practical	15
Seminar	13

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	To develop knowledge and practical experience of toxicological and controlled drug analysis within the context of forensic science.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Explain the nature and physiological effects of selected drugs and poisons
MLO2	2	Critically evaluate the choice of analytical procedure employed for the analysis of selected drugs
MLO3	3	Analyse and critically discuss the results of appropriate analysis of poisons and patterns of poisoning
MLO4	4	Carry out laboratory analysis of a range of drugs and related samples using appropriate methods
MLO5	5	Report the results of a toxicological and drug analysis in the appropriate fashion

Module Content

Outline Syllabus	The module is divided into areas relating to forensic toxicology and drug analysis:• Classification, description and effects of drugs (including cannabis, cocaine, heroin, amphetamines, LSD, barbiturates, date rape drugs, prescription drugs, legal highs)• Controlled substances legislation (the Misuse of Drugs Act, 1971 and related Acts/Amendments)• Current issues in forensic toxicology and drug analysis• Pharmacokinetics and Pharmacodynamics • Samples, sampling and sequence of analytical procedures• Application of analytical techniques for the analysis of drugs and toxicological samples (e.g. blood , urine, oral fluid, etc.)• Drugs in Sport• Drug testing (e.g. Drink/Drug Driving)• QA and QC laboratory procedures • Case Studies
Module Overview	Within this module, you will develop knowledge and practical experience of toxicological and controlled drug analysis within the context of forensic science.
Additional Information	All lecture material will be made available to the students via Canvas.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Centralised Exam	Exam	50	2	MLO1, MLO2, MLO3
Report	Report	50	0	MLO2, MLO4, MLO5

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Sulaf Assi	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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