

NATS 7003 BIOLOGICAL AGENTS 2

- Microbial Forensics Bruce Budowle, Steven E. Schutzer, Roger G. Breeze, and Paul S. Keim Academic Press; 2nd edition, 2010 ISBN: 9780123820068

Credit Points 10

Legacy Code 301155

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

Description This subject builds on the knowledge gained in the Biological Agents 1 and develops students' understanding of the tools and processes involved in the field of biosecurity. This subject is taught by the University of Canberra as part of a collaborative venture between the University of Canberra and Western Sydney University. Note: Further information on this subject is available from the University of Canberra.

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. gather, analyse, evaluate, interpret and present information relevant to biosecurity in a systematic, creative and insightful way
2. identify potential biosecurity threats and use reflective practice and independent critical thinking to determine the appropriate tools and procedures to implement for rapid and effective solutions
3. use foresight, initiative and leadership skills to implement effective decisions and cope with novel situations, both independently and collaboratively

Subject Content

Module 1: Introduction to Biosecurity

Module 2: Molecular and Genetic Tools and Procedures

Module 3: Proteomic and Immunological Tools and Procedures

Module 4: Microbiological Tools and Procedures

Module 5: Microbial Forensics and Bioforensics Tools and Procedures

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

Prescribed Texts