

NATS 3055 PRACTICUM 1

Credit Points 10

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

Description Practicum 1 will develop your job-readiness in areas of practical skills, problem solving, critical thinking, and teamwork. Working in real-world situations you will apply your knowledge of theory, experimental design, methodology, and analysis, in your discipline area to solving defined problems. The subject will provide you with the opportunity to initially discuss and plan methods to solve a defined problem, and then using laboratory experiments, fieldwork, or other activities relevant to professional practice, to test your approach to the problem.

School Science

Discipline Natural and Physical Sciences, Not Elsewhere Classified.

Student Contribution Band HECS Band 2 10cp

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

Level Undergraduate Level 3 subject

Pre-requisite(s) NATS 3044
OR NATS 3045

Equivalent Subjects NATS 3015
NATS 3040
BIOS 3012
NATS 3027

Restrictions

Must have successfully completed 120 credit points

Assumed Knowledge

Basic knowledge of scientific methodology

Learning Outcomes

1. Establish personal knowledge and skills in a professional scientific context.
2. Apply collaborative skills to resolve, record and report sustainable methodology to enhance problem solving proficiency.
3. Evaluate existing approaches with potential developments, governance frameworks and resource requirements to problem solving.
4. Articulate the role indigenous culture contributes to the professional field of scientific endeavour.

Subject Content

Defining scientific knowledge and skills in a professional context.
Principles of scientifically sustainable project design.
Progress science with initiative in a collaborative work environment.
Effective data management and reporting in science.
Legislative frameworks and ethics in the development and application of methods to defined problems.
Contributions of indigenous culture to science, the economy and work environment.

Special Requirements

Essential equipment

Laboratory coats & safety glasses may be required.

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 |
|-------------------|------------|---------|-----------|---------------------------|
| Professional Task | 1500 words | S/U | N | Individual |
| Proposal | 1000 words | 30 | N | Individual |
| Report | 2000 words | 40 | N | Individual |
| Presentation | 15 Minutes | 30 | N | Individual |

Teaching Periods

1st Half (2024)

Campbelltown

Hybrid

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View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=NATS3055_24-1H_CA_3#subjects)

Hawkesbury

Hybrid

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View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=NATS3055_24-1H_HW_3#subjects)

Parramatta - Victoria Rd

Hybrid

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