

# NATS 3051 INNOVATION IN DESIGN AND DELIVERY

**Credit Points** 10

**Coordinator** Graham Jones ([https://directory.westernsydney.edu.au/search/name/Graham Jones/](https://directory.westernsydney.edu.au/search/name/Graham%20Jones/))

**Description** What is innovation? Innovation can be thought of as the application of existing knowledge or processes to solve a problem. Innovation requires an interdisciplinary approach to problem solving, encompassing discipline-specific knowledge, as well as an awareness of social, economic, and environmental factors. You will work as part of a team to use existing data or processes to deliver an innovative solution to a problem. In this subject you will develop important job-ready skills to translate ideas into outcomes.

**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/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Undergraduate Level 3 subject

**Restrictions**

Successful completion of 120 credit points

## Learning Outcomes

1. Appraise opportunities for innovation based on existing data or knowledge
2. Design a project and produce project documentation for that project
3. Present the project design to a target audience in a persuasive and engaging manner
4. Evaluate the opportunities for applying the outcome of the project, including the sustainability of the project
5. Work effectively and collaboratively in a team to propose an innovation
6. Reflect critically on the process and propose strategies for future improvements

## Subject Content

1. Invention and innovation
2. Identifying a problem that builds on existing knowledge
3. Effective teamwork
4. Persuasive communication
5. Project design: constraints; timelines and reporting; budgets and outcomes
6. Evaluating the design process and outcomes of the project

## 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
Report	2000 words or equivalent	30	N	Individual
Proposal	2000 words	30	N	Individual
Presentation	10 minutes	20	N	Group
Reflection	1000 words	20	N	Individual

Teaching Periods

## Spring (2023)

**Online**

**Online**

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View timetable ([https://classregistration.westernsydney.edu.au/odd/timetable/?subject\\_code=NATS3051\\_23-SPR\\_ON\\_2#subjects](https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=NATS3051_23-SPR_ON_2#subjects))

## Spring (2024)

**Online**

**Online**

**Subject Contact** Graham Jones ([https://directory.westernsydney.edu.au/search/name/Graham Jones/](https://directory.westernsydney.edu.au/search/name/Graham%20Jones/))

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