

Dr Ghislain Bournival

Nexus Fellow

Faculty: Engineering

School: Minerals and Energy Resources Engineering

Nexus Projects: Squads, School

Nexus Priorities/Project X.X, Y.Y, Z.Z

Nexus Project or Role Purpose & Overview (per project or role)

Purpose:

TEAMWORK:

The School identified teamwork as being an issue, particularly around assurance of learning.

OTHER NEXUS PROJECTS:

- WIL Squad
- White-hat project (AI)
- Oral Assessment
- Student feedback

Project/role overview:

TEAMWORK:

This was a School project (individual). I conducted a literature review on assurance of learning. Overwhelmingly, a simple team-evaluation is proposed in the literature. Going beyond that I am implementing a teamwork framework in the School. Consistent with the framework, teams are trained when they are formed. Mid-term catch up is organised to follow-up on teams accompanied with feedback and reflections.

Skills Developed:

TEAMWORK:

- Implementation of a soft curriculum item across the specialisation
- Qual/Quant analysis of people data
- Developing methodology to obtain student data (incl. ethics application)

WIL SQUAD:

- Engineers Australia requirements (knowledge – not skill)

WHITE-HAT PROJECT (AI)

- Implementation of AI in live course
- Statistical analysis

ORAL ASSESSMENT

- Rubrics
- Scale-up

STUDENT FEEDBACK

- Analysis of unstructured data (feedback data)
- Thematic analysis

Activities, Outputs and Outcomes (per project or role)

TEAMWORK

- Literature review (school dissemination)
- Roll out of the framework (3 courses)

TEAMWORK ONLY

Evidence of Impact (Implementation)

School/Faculty involvement	Courses/Programs Involved	Workshops delivered (n=)	Collaborations
Implemented in 3 courses	MINE1010, MINE4250, DESN1000		

Evidence of Impact (SoTL)

Presentations (n=)	Publications (n=)	Blogs (n=)	Ethics applications (n=)
	1 abstract submitted (AAEE)		2

Relevant Links/Education (Research/SoTL/Resources) Output List

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UNSW
SYDNEY