

# DEVELOPMENT AND IMPLEMENTATION OF MATHBENCH FOR AUSTRALIAN UNIVERSITIES.

A project to improve  
quantitative skills of science  
and mathematics students.

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# OFFICE FOR LEARNING AND TEACHING (OLT) INNOVATION AND DEVELOPMENT (ID) PRIORITY PROJECT GRANT – INNOVATIVE USE OF TECHNOLOGY IN LEARNING AND TEACHING

**PROJECT TEAM:** A/Prof Cenk Suphioglu (Project Leader), Dr Shaun Belward, Dr Jo-Anne Chuck, Dr Prasad Chunduri, Dr Giovanna Di Trapani, Ms Julie Markham, Dr Katerina Thompson, A/Prof Carmel Coady, A/Prof Yvonne Hodgson, A/Prof Lesley Lluca, A/Prof Leon Poladian, A/Prof Dianne Watters.

**ABSTRACT:** There is international agreement that quantitative skills (QS), the ability to apply mathematical and statistical thinking and reasoning within a given external context, are an essential graduate competence in science. However, recent studies in Australia of science students' perceptions of their graduate learning outcomes reveal that while they acknowledge QS as important, they hold low levels of confidence in their QS, perceive QS will be of little future use to them, and report that QS are not emphasised in the science curricula. MathBench, a suite of online modules, has proved to be effective in improving QS among university students in USA. This project brings together an impressive team, from the cross-disciplinary areas of mathematics and science, to modify and implement MathBench as an innovative online resource to improve QS of science students at seven Australian universities, and evaluate and disseminate the findings by appropriate means, which form the overall aims of this project.

Are you already a user of MathBench and want to share your experiences with us?

Would you like to get involved with our MathBench project?

Please don't hesitate to contact us:

**MathBench Project Manager**

Mrs Vilma Simbag

[vilma.simbag@deakin.edu.au](mailto:vilma.simbag@deakin.edu.au)

**MathBench Project Leader**

A/Prof Cenk Suphioglu

[cenk.suphioglu@deakin.edu.au](mailto:cenk.suphioglu@deakin.edu.au)



## PARTNER INSTITUTIONS



## PROJECT LEADER



A/Prof Cenk Suphioglu, DU

## PROJECT MANAGER



Mrs Vilma Simbag

## PROJECT TEAM MEMBERS



1. Dr Shaun Belward, JCU
2. Dr Jo-Anne Chuck, UWS
3. Dr Prasad Chunduri, UQ
4. A/Prof Carmel Coady, UWS
5. Dr Giovanna Di Trapani, GU
6. A/Prof Yvonne Hodgson, DU
7. A/Prof Lesley Lluca, UQ
8. Ms Julie Markham, UWS
9. A/Prof Leon Poladian, USyd
10. Dr Katerina Thompson, UMD
11. A/Prof Dianne Watters, GU

## REFERENCE GROUP MEMBERS



12. A/Prof Dann Mallet, QUT
13. Dr Glennys O'Brien, UW
14. Prof Beverley Oliver, DU
15. Prof Philip Poronnik, USyd
16. Prof John Rice, ACDS, USyd
17. A/Prof Pauline Ross, UWS
18. A/Prof Leanne Rylands, UWS
19. A/Prof Stuart Palmer, DU

## EXTERNAL EVALUATOR



Dr Kelly Mathews, QS in Science, UQ