

Carol Badre



TEACHING/TUTORING

The University of Sydney

Linear Algebra 2019
Total: 2 classes

Introduction to Linear Algebra 2019
Total: 2 classes

Calculus of One Variable 2019
Total: 2 classes

The University of Melbourne

Linear Algebra 2014-2022
Total: 29 classes

Calculus 1 2016
Total: 3 classes

Calculus 2 2015-2017
Total: 7 classes

Consultation hours for Calculus 1 and
Calculus 2 in 2016 and Linear Algebra in 2017

Real Analysis 2022
Total: 2 classes

Exam marking for Calculus 2 in second semester
2015 and 2016, Linear Algebra in first semester
2016 and second semester 2017 and 2018

Assistance in the buddy program, providing
guidance for new tutors in 2016, 2017 and 2018

Monash University

Engineering Mathematics 2016
Total: 3 classes

Analysis for Change 2017
Total: 1 class

Mathematics Foundations for Data Science
2017-2018
Total: 5 classes

Discrete Mathematics for Computer Science
2018, 2022
Total: 4 classes

Continuous Mathematics for Computer Science
2018
Total: 2 classes

Linear Algebra advanced
2022
Total: 1 class

Exam marking for Techniques of Modelling in
second semester 2016 and first semester 2017
and first semester 2018

Assignment Marking for The Nature and beauty
of Mathematics

EDUCATION

DOCTOR OF PHILOSOPHY

CUNY Graduate Center | 2022-
Geometric group theory and low-dimensional topology
Advisor:: Prof. Jason Behrstock

MASTER OF PHILOSOPHY

The University of Sydney | 2019-2020
Pure Mathematics
Thesis: The Finite and Infinite generation
of groups acting on CAT(0)-cube complexes
Advisors:: A/Prof. Anne Thomas
Prof. Stephan Tillmann

MASTER OF SCIENCE

The University of Melbourne | 2012-2014
Pure Mathematics
Thesis: Links, Symmetry and Groups
Advisor:: A/Prof. Craig Hodgson

BACHELOR OF SCIENCE

The University of Melbourne | 2009-2011
Pure Mathematics Major

RESEARCH INTERESTS

Geometric group theory
Low dimensional topology

RESEARCH/PREPRINTS

with Stephan Tillmann: All closed orientable 3-manifolds
are central in trisections of 5-manifolds (in preparation)

CONFERENCES/SEMINARS

AustMS Annual Meeting (Nov 2020)
Talk title: All closed orientable 3-manifolds are central
in trisections of 5-manifolds

CONTACT

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