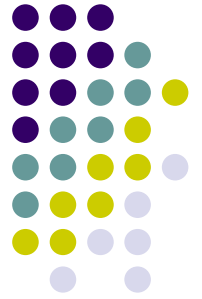


Mathematics and Statistics

MSc and AGDip Induction



- **Welcome!**
- Schedule:
- 1:00 Kirsten Hoak: administrative orientation
- 1:15 Diarmuid Crowley: academic orientation
- 2:15 Sam Povall: MSc Masterclass program
- 2:22 Paul Fijn: mentoring and well-being
- At the end: you are invited to a afternoon tea



THE UNIVERSITY OF
MELBOURNE

**School of Mathematics and Statistics
The University of Melbourne**

New Student Induction

GENERAL INFORMATION:

Start date:		Name/ ID:	
Local/International:		Previous M&S student:	
Building	Peter Hall (#160)	Office:	Key:
	<p>Peter Hall building is open 7:30am-6pm, Monday-Friday Access outside these hours is possible via student ID card General office open 9am-5pm, Monday-Friday Old Geology South building is via student ID card access only after hours.</p> <p>Do not leave doors to shared offices unlocked or open. Keep all valuables, including keys and wallets, locked in drawers or cabinets. Report any suspicious activity or persons to the General Office or call security on 8344 6666.</p> <p>Please note there is a \$20 lost key fee.</p> <p>There is a staff tea room in Peter Hall with tea, coffee & milk supplied (in moderation), as well as a fridge & microwave. Please label food and clean up after use.</p>		

SET-UP:

Printing	<p>Printing for research purposes is available via UniPrint machines in room 105.</p> <ul style="list-style-type: none"> • Instructions for Windows: go.unimelb.edu.au/zz86 • Instructions for Mac: go.unimelb.edu.au/nnp6 • Instructions for Linux (Ubuntu): go.unimelb.edu.au/ojh6 <p>To release your print job Scan your student ID card on the icon shown to print, scan or copy from the new printer. Personal Printing needs to be paid for at 10c per copy. Please pay staff in the General Office.</p> <p>NOTE: You will be asked to enter your email/password the first time you swipe your card. Once this is entered, and you press 'set', the system will remember you next time you swipe your card.</p>
Phones	<p>From any internal phone, dial the five-digit extension for any University line. For external numbers, dial 0 first for an outside line.</p>
General IT	<p>Call IT on 8344 0888 for access or set up support.</p> <p>Your student login details will be used for most University systems.</p>

STAFF CONTACTS:

Academic enquiries and support	Academic Support Team Kirsten Hoak Academic Support Coordinator Tina Soundias Academic Support Officer (Postgrad) Roy Ridgway Academic Support Officer (Undergrad)	ms-acsupport@unimelb.edu.au khoak@unimelb.edu.au 9035 8013 tinas@unimelb.edu.au 8344 8358 roy.ridgway@unimelb.edu.au 9035 9689
General enquiries and facilities	Anna Rodway Client Services Officer	ms-office@unimelb.edu.au 9034 5550
Head of School	Professor Jan de Gier	mshos-ea@unimelb.edu.au 8344 7887
Health and Wellbeing	University Health Services Counselling and Psychological Services	https://services.unimelb.edu.au/health 8344 6904 https://services.unimelb.edu.au/counsel 8344 6927

OTHER RESOURCES:

School website	https://ms.unimelb.edu.au	Public information about the School including our academics, upcoming events and research.
University maps	https://maps.unimelb.edu.au/parkville	Find buildings, campuses, lecture theatres and other points of interest.
Safer Community Program	https://safercommunity.unimelb.edu.au/ 9035 8675	The Safer Community Program operates as the University's central point of inquiry and reporting of inappropriate, concerning and threatening behaviour, and offers a respectful and confidential place to seek support and advice.
Learning Management System	https://lms.unimelb.edu.au	Student portal, including subject information, online courses and further resources.
University policy library	https://policy.unimelb.edu.au	All policies and procedures for the University of Melbourne.
StaMPS (Postgrad Society)	https://ms.unimelb.edu.au/engage/stamps	Postgraduate community for Mathematics and Statistics students
Graduate Student Association	https://gsa.unimelb.edu.au	Independent association that provides all enrolled graduate students with representation, events, support and other services.

ACKNOWLEDGEMENT

- I agree to review the information provided and to follow the relevant policies and procedures throughout my time at the School of Mathematics and Statistics.*
- I give permission for the School of Mathematics and Statistics to list my name and degree on the school website.*

INDUCTEE:

Name:

Student ID:

Signature:

Date:

INDUCTOR:

Name:

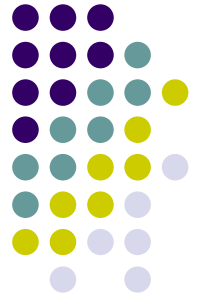
Signature:

Date:

Instructions to MSc students: you are the inductee. Take the copy of this form the induction talk, or print it out, fill it out and then take it to Kirsten Hoak in the Main Office.

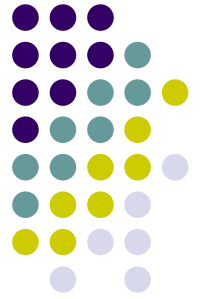
It is very important that you complete the induction, so that you can work in the Peter Hall Building safely.

Some people in the Maths and Stats Community



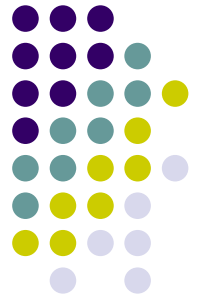
- Academic:
Prof. Jan de Gier (HoS),
A/Prof. Diarmuid Crowley (MSc co-ordinator),
- Administrative: *Kirsten Hoak*
- Your supervisor
- Your fellow MSc students
- StaMPS (Stats and Maths Postgraduate Society)

People in the General Office:



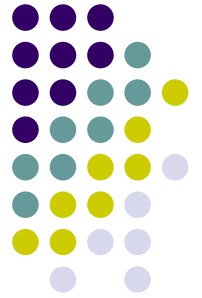
- **Kirsten Hoak, Rog Ridgway, Tina Soundias** are the Academic Support Officers (ASOs) in the general office.
- **Tina and Kirsten** are primarily concerned with the support of postgraduate students and academics in the department.
- **Roy Ridgway** works in the same capacity, primarily with undergraduates.

More people in the General Office:



- **Anna Rodway** is the administrative officer. She can assist with after-hours card access, room bookings and any general enquiries.
 - **Joanne Harwood** - HoS* personal assistant.
- * HoS = Head of School

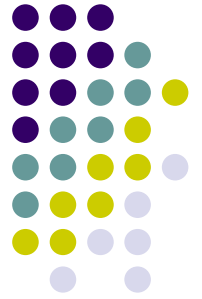
Facilities and House-keeping:



In your New Student Packet:

- Checklist for your reference
- MSc & AGDip students have a *shared Hotdesk room* in **G13** for your **first semester**.
- Please treat desks in G13 like as you would a desk in a library.
- [PLEASE do not run large processes. Speak with IT dept to arrange alternative options.]
- We need to see your **student card** to give you swipe access.

Facilities and House-keeping:



Information for students - emergency Procedures, first aid, reporting hazards...

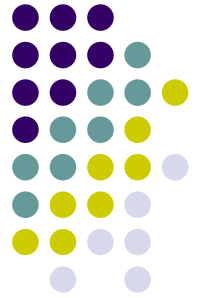
PLEASE come and chat with Kirsten or Tina at any time.

They are friendly 😊

It is a demanding program.

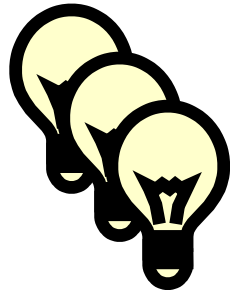
There are often stresses and issues.

We really want you to succeed!

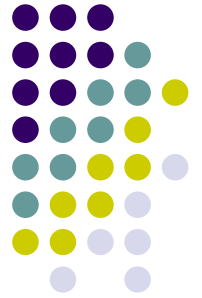


Congratulations!!

- To us: we gained new ***bright*** advanced level students



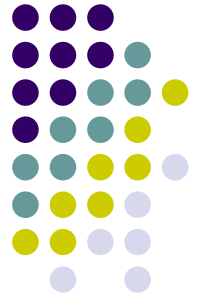
- To the new MSc & AGDip students: you made a good decision!
- *Chance favours the prepared mind*
(Louis Pasteur) – so let's get it prepared!



Areas of specialisation

The MSc program has four areas of specialisation, where are relevant for the course work structure of your degree:

1. Applied Maths and Mathematical Physics
2. Discrete Maths and Operations Research
3. Pure Maths
4. Statistics and Stochastic Processes



Course work structure

- 11 Discipline subjects
- 1 Professional tools subject*
- 4 ``subjects'' for the Research Project

$$11 = ((2 + 3) + 2) + 4$$

2 Core + 3 Elective in specialization (MAST)

2 in another specialization (MAST)

4 Further discipline (may include non-MAST)

* May be waived.

Make a subject plan!!!

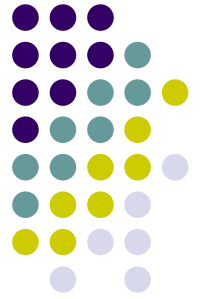


Enrolment:

STOP1 handles **all** enrolment issues.

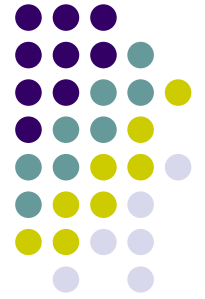
- *Last day to add S1 subjects to your enrolment yourself: **Friday 13th March** .*
- *Last date to withdraw from S1 subjects without incurring fees: **Sunday 29th March**.*
- *Last date to withdraw from S1 subjects without incurring a Fail result on your academic Record: **Friday 8th May**.*
- ***Always check all the dates on your own!!***

Getting permission to enrol

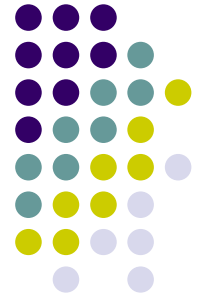


- If you do not have a UoM (University of Melbourne) undergraduate degree, you will need to get the approval of the subject coordinator for each of your classes.
- For this write to the subject coordinator, including a copy of your transcript and explain which subjects you have taken meet the pre-requisites for the class.
- For undergraduate (3rd year) subject and non-MAST (maths and stats) classes you also need the approval of the course co-ordinator (DC).
- **Make sure you include your *course planner* in all correspondence with the course co-ordinator (and later your supervisor) about course planning.**

The professional skills subject is compulsory



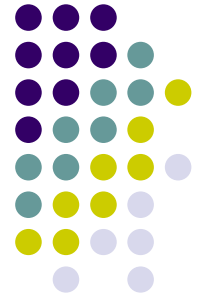
- In general, take one of
 1. MAST90045 Systems modelling & simulation
 2. COMP90072 The art of scientific computation
- This ensures all MSc graduates have some basic programming skills.
- If you have taken another class where you learnt some basic programming skills, you may enroll in one of SCIE90012 Science Communication or SCIE90013 Communication for Research Scientists instead.



Planning your MSc courses

- Use the course planner to help make a subject plan for your MSc:
- Check course pre-requisites in the handbook
- You may take 2* third year MAST subjects if needed - this can be a very good strategy.
- Review and update your plan as your MSc progresses.

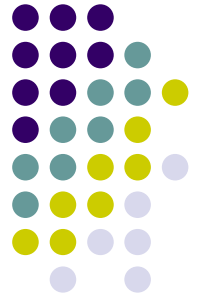
* Possibly up to 4 with course co-ordinator (DC approval)



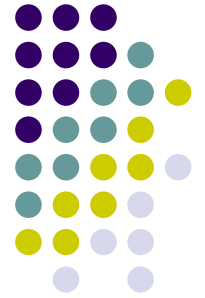
Your research project

- Find a supervisor in your **1st semester**.
- Aim to start in your **2nd semester**.
- Research 1 (12.5) - complete literature review
- Research 2 (12.5) - complete project review
- Research 3 (25) - complete thesis and presentation
- There are **pass/fail** hurdles for Res 1 and Res 2.
- Three semesters rule: **18 MONTHS, NO BREAKS.**
- Read the Handbook entry & the Guide!
- <https://handbook.unimelb.edu.au/view/current/MC-SCIMAT>

Important links



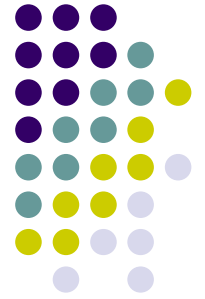
- MSc Guide: <https://ms.unimelb.edu.au/?a=3205750>
- Handbook:
<https://handbook.unimelb.edu.au/2020/courses/mc-scimat>
- MSc & GDA: <https://ms.unimelb.edu.au/study/current-masters-and-pgdip-students>
- Staff: <http://ms.unimelb.edu.au/people/academic-staff>
- Supervisor list:
<https://ms.unimelb.edu.au/study/supervisors-list>
- These slides: <http://www.dcrowley.net/MSc-Induction-2020-S1.pdf>



Finding a supervisor

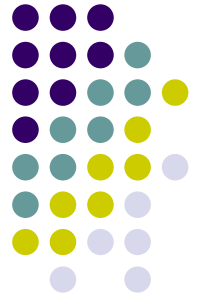
- Pathways to finding a supervisor:
- Lecturers
- MSc pages: *List of possible supervisors*
- Advisors by speciality:
 - Applied Maths– Barry Hughes
 - Discrete Maths – Michael Wheeler
 - Mathematical Physics –Thomas Quela
 - Operations Research – Peter Taylor
 - Pure Maths – Daniel Murfet & Arun Ram
 - Probability – Kostya Borovkov
 - Statistics – Guoqi Qian
- Once you find a supervisor, have them fill out the **Supervisor form** to finalise your enrollment.

Get oriented, get involved and stay in touch



- E-mail: information is circulated regularly
- **Read email daily!**
- **Uni Handbook & MSc/AGDip Guide 2018**
- <https://ms.unimelb.edu.au/study/current-masters-and-pgdip-students>
- <https://ms.unimelb.edu.au/people/academic-staff>
- Attend your classes regularly: inform you lecturer if you have to miss a week (or more) of lectures

Get oriented, get involved and stay in touch



- Attend the Departmental Colloquia (usually Tuesdays 12 noon; **read your e-mail!**)
- Attend research seminars
- You are expected to give ≥ 2 seminars (**1+1**)
 - One talk in a research semina
 - **Your MSc research presentation**
- Attend MSc Master Classes

MSc Masterclasses



- ❑ **Program Objective:** Understand how to thrive in our master's program

- ❑ **Welcome Back Social Event:** Thursday 12th March 12:30-2PM, Staff Tea Room

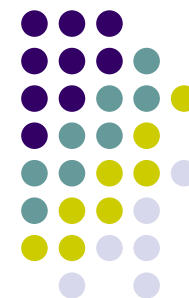
- ❑ **Starts:** Week 2 with 'Welcome' and 'Finding your supervisor' event – see the program for details

- ❑ **Helpful skills and connections for your Masters project :**
This program is designed to help you develop relationships and skills that will support your study and research in the MSc program

- ❑ **Program conveners:** Sam Povall, Paul Fijn, Thomas Quella, Diarmuid Crowley

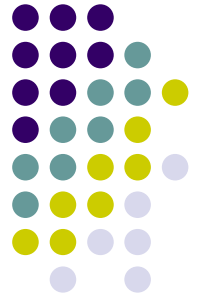
- ❑ **Questions/feedback to:** sam.povall@unimelb.edu.au

MSc Masterclasses Timetable



MSc Masterclasses Schedule – Semester I

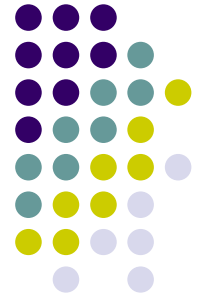
Week	Monday	Tuesday	Wednesday	Thursday	Friday
Week 0 24/02-28/02			26th Induction 1-3PM		
Week 2 09/03-13/03		10th Masters 101 12-1PM 10th Supervisor Event 1-3PM*		12th Welcome Back Social 12:30- 2PM	
Week 3 16/03-20/03		17th Supervisor Event 1-3PM*		19th Thesis Writing 12-1PM	
Week 4 23/03-27/03		24th Supervisor Event 1-3PM* 24th Academia Vs Industry			
Week 5 30/03-03/04				2nd International Student Transition 12-1PM	
Week 6 06/04-10/04				9th Presenting 12-1PM	
Mid Semester Break – 13th April – 17th April					
Week 7 20/04-24/04				23rd Reading Abstracts 12-1PM	
Week 8 27/04-01/05	Peer Mentoring Social Event – Date TBA				
Week 13 01/06-05/06	Peer Mentoring Social Event – Date TBA				



Peer Mentoring

- An opportunity to get guidance from research students
- Form relationships with new and current masters students
- Share and learn from others' experiences

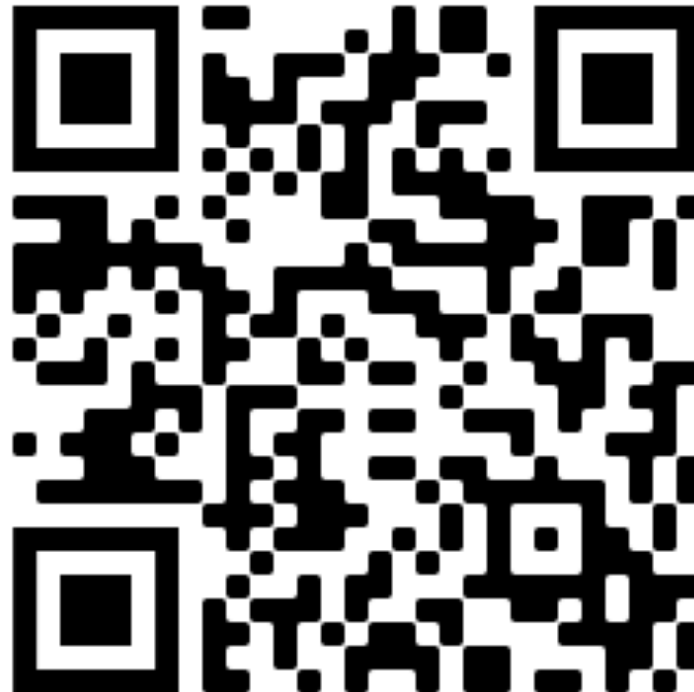
For more information, contact Paul Fijn
(paul@ms.unimelb.edu.au)

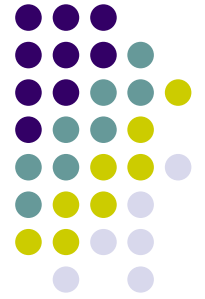


Peer Mentoring

To be matched to peer mentors, go

to <https://forms.gle/mnzm5GVZmXHsjQuS6>





StaMPS: Statistics and Mathematics Postgraduate Society

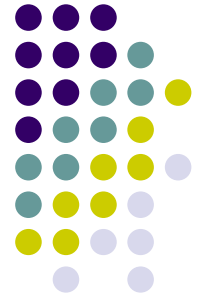
Purpose – To sustain a sense of community amongst the postgraduate students in our school.

Semester 1 events

1. Master 101 – hear about research from the perspective of current MSc students;
2. New semester welcome back event – come and meet your peers and have some free pizza!
3. Industry Vs Academia panel – how professionals chose their career;
4. And other social events to come...

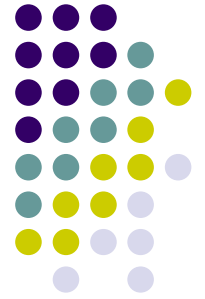
Contact - stamp@ms.unimelb.edu.au

Sign up - <https://form.jotform.co/90508322063853>



Some more general advice

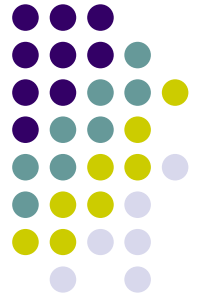
- *Let me tell you the secret that has led me to my goal: my strength lies solely in my tenacity* (Louis Pasteur)
- Time management is an essential skill for success
- Estimated time commitment: **170h** per subject
- Talk with your fellow MSc students (pause)
- Talk with your lecturers
- Life is good: always think positively
- *Smile... tomorrow will be worse* (Murphy's law)



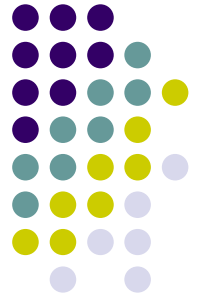
Some general advice

- Advanced level mathematics and statistics is difficult and rewarding:
 - Research is a (beautiful) challenge;
 - Reading your first research paper is tough;
 - Putting your thoughts on paper is an art;
 - Everybody is different.

School Masters Scholarships



- There are School scholarships:
- \$2,000 per semester for full-time students ($\geq 37.5 = 3$ subjects)
- Up to \$6,000 total per student.
- Keep your average mark at 75+!
- Announced after the census date of the following semester.
- There are also prizes for best final results and best research theses.

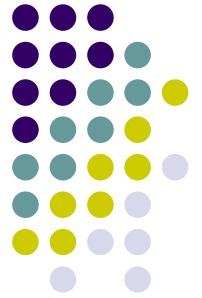


Help with choice of subjects & research topics,
supervision and discussion of your research project,
feedback, progress monitoring,
advice on thesis writing etc.

Supervisor

Co-supervisor (if any)

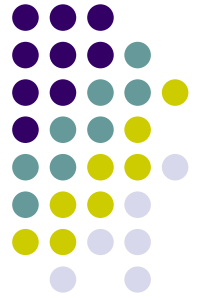
MSc coordinator:
Diarmuid Crowley



Coursework content and requirements,
method of assessment, references, assignments,
examinations and all other issues regarding your
chosen subjects



Uni Handbook,
Lecturers



Desk allocation [Research 2],
keys [if any], thesis submission [if any],
other local administrative issues related to the
MSc & AGDip programs



Student Administration Officer
Kirsten Hoak



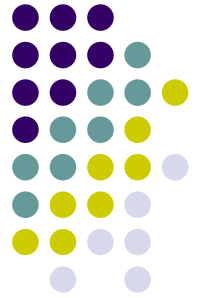
Computers, software, email accounts, document backup, Internet, other issues related to computing resources and support



University Services IT support: 834 40888

It is strongly recommended that you back up your files!!

Internet usage: No unauthorized movie/music downloading and/or audio/videoconferencing please.
Draconian fines apply



Other Issues

MSc & AGDip coordinators

A/Prof. Diarmuid Crowley

Issues that cannot be resolved at the level of

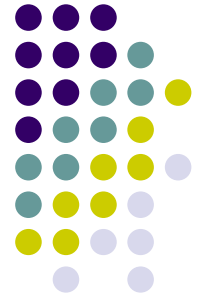
MSc & AGDip coordinators

Chair of PPC Committee

*Prof. Christian
Haesemeyer*

Head of School

Prof. Jan de Gier



Good luck!