

Research Enhancement Program Block 2 2020

Monday 31 August	Tuesday 1 September	Wednesday 2 September	Thursday 3 September	Friday 4 September
9:30 – 10:30am New HDR Student Induction Simon Moss & HDR Team Zoom	9:00 – 11:30am Communicating the impact of your research Hugh Kearns Zoom	9:00 – 11:30am Staying well and productive in these difficult times Hugh Kearns Zoom	9:00am – 12:00pm Final year HDR students' Completions Masterclass plus coaching Hugh Kearns Zoom	9:30 – 11:00am Introduction to Intellectual Property and Patents Iftikhar Hayat & Steve Rogers Zoom
11:00am – 12:00pm Research Integrity Simon Moss Zoom				
1:30 – 3:00pm Visualise your Thesis and Virtual Three Minute Thesis show case and awards ceremony Amy Hetherington Blue 5.1.01 and zoom	1.00-2.30pm Research Data Management Bernadette Royal & Iftikhar Hayat Zoom	1:30 – 3:30pm Supervising research students remotely Hugh Kearns Zoom	1:30 – 4:00pm On-line Presentation Skills Hugh Kearns Zoom	1.30-3:30pm Finding the Research - Literature Reviews Bernadette Royal & Lisa Ban Zoom

Colour key – workshop is aimed at:

	First year HDR students		Second year+ HDR students		All Research Community		Supervisors
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First year students are strongly encouraged to attend the first year's workshops

Research Enhancement Program Block 2 2020

Monday 7 September	Tuesday 8 September	Wednesday 9 September	Thursday 10 September
9:00am – 12:00pm Formatting your Thesis using Word Craig Coley Orange 1.3.14 (max 11)	9:00am – 12:00pm Basic Statistics and SPSS Simon Moss Orange 1.3.10 (max 9)	9:00 – 11:00am Social media and impact Bernadette Royal and Iftikhar Hayat Zoom	9:00am – 12:00pm Developing an analysis plan for quantitative research Mirjam Kaestli Red 9.1.48
1:00 – 4:30pm MS Excel for HDR Students Craig Coley Orange 1.3.14 (max 11)	1:00 – 1:30pm plus question time Being creative in research: practice and process - online Birut Zemits Zoom	1:00 – 2:30pm Introduction to human research ethics Marilynne N Kirshbaum Red 9.1.48 and zoom	1:00 – 4:00pm Familiarisation with the R Environment for HDR Students Zhiqiang Wang Orange 1.3.14 (max 11)
	2:30 – 4:00pm Being creative in research: practice and process – face to face Birut Zemits, Khyiah Angel & Ian Hance Red 9.1.48	3:00 - 4:00pm Nerdview and information for research participants Marilynne N Kirshbaum Red 9.1.48 and zoom	

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New HDR Student Induction

This session is for students commencing a PhD or Master by Research at CDU in the second half of 2020, and for those who missed the Induction earlier in the year. Supervisors are also welcome to attend.

The workshop will be opened by the Dean of Graduate Studies. It will provide information on:

- the Office of Research and Innovation;
- College support;
- progression and scholarship administration; and
- services provided across the University for research candidates such as:
 - Library Services
 - Office of International Services
 - Equity Services [Respect. Now. Always](#)

This session will be interactive, so if you have any questions please email research.degrees@cdu.edu.au beforehand or raise them during the session.

Students are also welcome to prepare for a 1-2 minute self- introduction to share with the group (optional). It may briefly cover your things such as name, research topic, College, supervisor/s and where you are based. You could also include your dream job post-graduation and/or why you are doing a research degree and why you are interested in your topic, if you wish.

Date:	Monday 31 August	Time:	9:30 – 10:30am ACST
Presenter/s:	Simon Moss & the HDR Team	Max:	30 people
Format	Zoom	Zoom details:	TBA

Research Integrity

Research Integrity lies at the heart of scholarly work. This session is strongly encouraged for HDR students beginning their candidature. Those preparing to apply for ethics approval may also find the session useful and is it also, a good refresher for Researchers.

We will discuss:

- (1) The dimensions of research integrity
- (2) The Australian research ethics framework
- (3) Why you should prepare an exemplary research ethics application
- (4) How you can ensure straightforward, prompt ethics clearance for your project

Date:	Monday 31 August	Time:	11:00am – 12:00pm ACST
Presenter/s:	Simon Moss	Max:	30 people
Format	Zoom	Zoom details:	TBA

Visualise your Thesis and Virtual Three Minute Thesis show case and awards ceremony

In 2020, CDU is participating in two Higher Degree by Research (HDR) Communication competitions:

- Visualise your Thesis and
- Virtual Three Minute Thesis

The effervescent and funny local comedian, Amy Hetherington, will host this show case and award ceremony. Find out what exciting new research our HDR students are working on, the winners of the competitions and network with others from the CDU research community.

Date:	Monday 31 August	Time:	1:00 – 2:30pm ACST
Presenter/s:	Amy Hetherington	Max:	45 people
Format	Face to face and online	Room details:	Blue 5.1.01 Zoom link to be provided

Communicating the impact of your research

A lot of hard work and time goes into conducting research. And then more time and work goes into publishing the results. And yet sadly many papers are never read and many findings are never translated into practice. So how do you communicate effectively about your research and its impact? This is important to fulfil funding obligations, to create further funding and collaboration opportunities, to encourage the application of your findings and for your own career.

In this workshop you will learn strategies for:

- Developing a communication strategy
- Pitching your message to the your audience
- How to make it accessible without dumbing down
- Dealing with media
- Using new media
- Developing your one minute pitch
- Dealing with the discomfort of it all

Date:	Tuesday 1 September	Time:	9:00 – 11:30am ACST
Presenter:	Hugh Kearns	Max no of attendees:	50 people
Format:	Zoom	Zoom details:	To be provided

Research Data Management

You will learn about Research Data Management and how to organise, describe, properly store, share and retain your research data.

Register and learn how to manage your research data throughout your research lifecycle?

Date:	Tuesday 1 September	Time:	1:00 – 2:30pm ACST
Presenter:	Bernadette Royal & Iftikhar Hayat	Max:	40 people
Format	Zoom	Collaborate details:	To be provided

Staying well and being productive in these difficult times

Being a researcher can be the best job in the world. You get to follow your passions. You have the luxury of exploring areas you're interested in. You can satisfy your curiosity. You might even make a difference in the world. Most researchers I meet love doing research. But research is also challenging. Despite all the attractions of a research career, the reality is that many researchers get worn down by the system, the setbacks and the challenges. Even more so in these difficult days.

So if you want to stay well and be productive, don't leave it to chance. You need to look after yourself. I've worked with thousands of researchers across the world, and I'm going to highlight some key strategies that people have used to be productive researchers and stay well during their PhD, post-doc or research career.

Date:	Wednesday 2 September	Time:	9:00 – 11:30am ACST
Presenter /s:	Hugh Kearns	Max no of attendees:	50
Format	Zoom	Zoom details:	To be provided

Supervising Research Student remotely

This on-line workshop provides advice and support for research supervisors who are now having to supervise more flexibly in response to changing circumstances. It will include strategies for:

- Maintaining the relationship – meetings/virtual meetings (frequency, length, structure, tools)
- Helping students with Plan B – dealing with interruptions to their research
- Contingency planning as levels change
- Responding to students' concerns (personal, funding, time, access to data)
- Supporting students at different stages (new, mid-candidature and finishing)
- Mental health issues
- Looking after yourself
- The webinar will be interactive with participants given the opportunity to share their knowledge and experience.

Date:	Wednesday 2 September	Time:	1:30 – 3:30pm ACST
Presenter:	Hugh Kearns	Max:	30 people
Format:	Zoom	Zoom details:	To be provided

Final year students' HDR Completions Masterclass plus coaching

Are you losing momentum and enthusiasm as you approach the final stages of your thesis? Perhaps you are in the “writing up” phase or maybe you haven't started writing at all and are daunted by the size of the task ahead. Or maybe you just need some motivation and support to keep going.

This workshop is designed to assist research students **who are close to completion** to focus their efforts, deal with specific obstacles, increase writing productivity and maintain momentum. It will also assist students to prioritise and plan their final months.

The workshop has limited places to allow for individualised coaching.

This workshop will cover:

- identifying the next steps
- strategies for overcoming blockages
- getting words on paper
- ensuring you get feedback
- developing a completion plan

This workshop is aimed at students who are in, or close to, the “writing up” phase of their research

Date:	Thursday 3 September	Time:	9:00am to 12:00pm ACST
Presenter:	Hugh Kearns	Max:	15 people
Format	Zoom	Zoom details:	To be provided

On-line Presentation Skills

In person, you may have given presentations, possibly to a class or your peers, perhaps a confirmation seminar, a mid-candidature review, or maybe even a conference presentation. However, presenting on-line is a whole different consideration. How do you continue to present effectively, when most times, you cannot see or hear your audience. You still need to engage them and gain their participation. You need to communicate skilfully and with conviction as well as maintain their attention when they have a myriad of tempting distractions. This workshop will cover:

- Knowing your key message and making it relevant to your audience
- Preparing materials specifically for an on-line environment
- How to structure and link parts of your talk
- How to engage your audience and keep their attention throughout your presentation
- Using your webcam, what can your audience see
- Knowing the other tools available and when to use them
- Practice
- Delivery
- How to handle questions
- Dealing with nervousness
- Presenting yourself effectively

And it will be interactive and fun!

Date:	Thursday 3 September	Time:	1:30 -4:00pm ACST
Presenter:	Hugh Kearns	Max:	50 people
Format:	Zoom	Zoom details:	To be provided

Introduction to Intellectual Property and Patents

Introduction to IP:

- What is IP? - An overview of Patents, Designs, Trade Marks, Copyright and Trade Secrets.
- Why IP?
- When do I protect my IP?
- How do I protect my IP?

A practical understanding of patents and a deeper dive into the world of patents:

- How to search for patents
- What is in a patent document
- How to find relevant prior publications
- Case studies

Date:	Friday 4 September	Time:	9:30 –11:00am ACST
Presenter:	Steve Rogers Iftikhar Hayat	Max:	40 people
Format	Zoom	Zoom details:	To be provided

Finding the Research - Literature Reviews

This workshop will cover:

- Defining the research question or project
- Refining the search strategy
- Identifying the best tools for the job
- An overview of Scopus and PubMed

Date:	Friday 4 September	Time:	1:30 – 3:30pm ACST
Presenter:	Bernadette Royal & Lisa Ban	Max:	40 people
Format	Zoom	Collaborate details:	To be provided

Formatting your Thesis using Word

This workshop is for those HDR students who need help with formatting their documents to meet Thesis Presentation requirements. Topics will include:

- Thesis Formatting expectations
- Styles
- Captions (figures and tables)
- Table of (figures, table, contents)
- Page numbering
- Section breaks to allow you to create number style within the document
- Images and diagrams
- Master document (demonstration)

These are important aspects to understand either at the beginning or end of your journey.

All participants will be provided with a booklet so you can go over the activities again at your leisure.

This workshop is NOT suitable for MAC users. Preference will be given to those in the last 12 months of candidature.

Date:	Monday 7 September	Time:	9:00am to 12:00pm ACST
Presenter:	Craig Coley	Max:	11 people
Format	Face to Face	Room	Orange 1.3.14

MS Excel for HDR Students

This hands-on computer workshop covers the very basics for those who are new to Excel Spreadsheet software or need a refresher. This is for HDR students who need the skills required to work with Excel Spreadsheets

Topics covered will include:

- Outline
- Overview
- Formatting
- Managing a workbook and sheets
- Formulas
- AutoFilter & advanced filters
- Creating and modifying charts

All participants will be provided with a booklet so you can go over the activities again at your leisure.

Bring your thesis document and Craig will allow a question and answer time of 30 minutes. This is to clear up any challenges you may have with your current Excel documents. It will take place at the end of the workshop.

Date:	Monday 7 September	Time:	1:00 – 4:30pm ACST
Presenter:	Craig Coley	Max:	11 people
Format	Face to face	Zoom details:	Orange 1.3.14

Basic Statistics and SPSS

Are you a member of the largest community in the world--the community of people who, after avoiding statistics most of their life, now realize they need to learn and conduct statistics? Would you like to learn how to use SPSS as well? If so, this workshop is perfect for you.

This workshop may be useful prequel for those who are planning to attend the "Developing an analysis plan for quantitative research" on Thursday.

Date:	Tuesday 8 September	Time:	9:00am to 12:00pm ACST
Presenter:	Simon Moss	Max	9 people
Format	Face to Face	Room details:	Orange 1.3.10 (9 people)

Being creative in research: practice and process - online

This presentation will consider how and when to include some 'creative' activities to enhance your experience of gathering data and analysing information in the research journey. Birut will share ideas about how one can complete a PhD journey using creative practice and exegesis.

Date:	Tuesday 8 September	Time:	1:00 – 1:30pm ACST plus question time
Presenter :	Birut Zemits	Max :	30 people
Format	Zoom	Zoom details:	To be provided

Being creative in research: practice and process – face to face

This presentation will consider how and when to include some 'creative' activities to enhance your experience of gathering data and analysing information in the research journey. Presenters will share how they completed their PhD journey using visual art, literature, digital multi-media and film. Some activities will include thinking about how you might include creative aspects in your own research journey.

Date:	Tuesday 8 September	Time:	2:30 – 4:00pm ACST
Presenters:	Birut Zemits, Khyiah Angel and Ian Hance	Max:	17 people
Format	Face to Face	Room:	Red 9.1.48

Social Media and Impact

Learn how to create a catchy social media post that will increase your research profile. The session will provide some tips on using Social Media platforms including advantages of bibliometrics and altmetrics to increase research impact.

Date:	Wednesday 9 September	Time:	9:00 -11:00am ACST
Presenter:	Bernadette Royal & Iftikhar Hayat	Max:	50 people
Format:	Zoom	Collaborate details:	To be provided

Introduction to Human Research Ethics

This Human Research Ethics session is for HDR students beginning their candidature and open to anyone who feels they would benefit from a session on the underlying principles and processes involved in obtaining human research ethics approval at CDU.

The first part of the session aims to:

- Illustrate why ethics matter
- Provide insight into what constitutes merit in ethical research
- Explore common ethical issues and how these might be addressed

In the second part of the workshop, participants will be taken through the application form and key sections will be highlighted for guidance and discussion.

The aims are to:

1. Familiarise participants with the requirements of the Human Research Ethics Committee (HREC) application form
2. Assist participants to construct a clear, succinct and ethically reflective application.

Please note that this session is NOT suitable for Menzies students, who apply for ethics via a different committee. Menzies students may contact Menzies Research Degrees (researchdegrees@menzies.edu.au) for details about a similar Menzies workshop.

Date:	Wednesday 9 September	Time:	1:00 – 2:30pmACST
Presenter:	Prof Marilynne N Kirshbaum	Max:	40 people
Format	Zoom and face to face	Zoom details:	Red 9.1.48 zoom details to be provided

Nerdview & information for research participants

This workshop will provide HDR students and researchers with a greater awareness of how to best frame vital information about their proposed research study to research participants to produce a document that is truly participant focused. Often just a small twist of perspective can inspire researchers to discover how language can be used effectively to inform and engage prospective study participants. Key issues will be demonstrated using examples from existing projects.

Date:	Wednesday 9 September	Time:	3:00 – 4:00pmACST
Presenter:	Prof Marilynne N Kirshbaum	Max:	40 people
Format	Zoom and face to face	Zoom details:	Red 9.1.48 zoom details to be provided

Developing an analysis plan for quantitative research

You have chosen your research topic and started to formulate your research questions. Now is the time to fine-tune these to testable and feasible questions, develop your working hypotheses and create a plan of action on how to address them. An analysis plan is a step-by-step road map from what variables need to be collected to address your questions to how to summarize your data, hypotheses testing, model building and sensitivity analyses. We will discuss statistical power and sample size estimation, different types of data structure and common issues such as sampling bias, confounders, the misuse of P values, as well as the importance of data cleaning and visualization. An analysis plan not only reduces the risk of an untargeted data fishing expedition but makes data analysis less overwhelming and it is also a useful platform to discuss your project with your supervisors and collaborators.

This workshop is relevant to first year HDR students planning to conduct quantitative research, before they start data collection.

Note: A basic statistics knowledge is required – see the workshop “Basic Statistics and SPSS” if you would like help with this.

Date:	Thursday 10 September	Time:	9:00am to 12:00pm ACST
Presenter /s:	Mirjam Kaestli	Max	19
Format	Face to Face	Room	Red 9.1.48

Familiarisation with the R Environment for HDR Students

R is an open-source programming language and software environment (www.r-project.org/about.html). R is widely and routinely used by researchers – especially in the fields of biology and ecology – for statistical analysis and graphical presentation of data. R is incredibly flexible, and has an enormous range of uses beyond statistical analysis, including data manipulation and as a geographical information system. New functions developed by researchers are frequently available as R packages (a package is a bit like an R ‘toolkit’), facilitating their easy implementation. R provides a new way to prepare research manuscripts and theses in biomedical, natural and social sciences!

This workshop is most beneficial to HDR students preparing to dive into the statistical analysis of their datasets and prepare their theses. It will give students the confidence to start manipulating and exploring their data in R, identifying appropriate R functions for their statistical analysis, and preparing their theses.

The aims of the workshop are to:

1. introduce R ‘tidyverse packages’ and the concept of reproducible research.
2. run some simple analyses of example datasets (just so participants see how things are done, but note that this is not a statistics course!).
3. able to seek help when needed from multiple sources.

Date:	Thursday 10 September	Time:	1:00 to 4:00pm ACST
Presenter /s:	Zhiqiang Wang	Max	11
Format	Face to Face	Room	Orange 1.3.14

Presenter Information

Angel, Khyiah

Khyiah is a fiction and non-fiction writer whose main area of research interest is the way in which technology, particularly in multimodal contexts, mediates literacy development for young adults. She has used a practice-based research approach to push the boundaries between reading and gaming by playing with form to create new ways for teens to engage in the reading process. Contact khyiah.angel@cdu.edu.au

Coley, Craig

Craig is our expert on Microsoft office application Word, Excel, Access and PowerPoint. He also has a deep knowledge of the NVivo research program as well as the Adobe suite. He draws on 12 years of experience in workshops and lecturing in ICT. His areas of expertise are in both in Information Technology and Education. From a practical perspective he has assisted in the formatting and editing of proposals and PHD theses. He is teaching in higher education as a part-time lecturer in the areas of knowledge management and database concepts. His current interests are in both ICT innovation in education and research.

Hance, Dr Ian

Ian Hance is a highly experienced painter, sculptor and curator. He completed his PhD based on practice-led research in painting entitled Painting the humorous Kitchgrotesque of the dressed-up termite mounds in Tropical Australia. He currently lectures in painting and drawing in the College of Indigenous Futures, Arts and Society at Charles Darwin University (CDU). His recent works explore the concerns of ecological crises in Northern Australia through a visual art practice. Contact ian.hance@cdu.edu.au or i.hance@yahoo.com

Hayat, Iftikhar

Iftikhar is an eResearch Librarian at CDU Library. He has more than 12 years of experience in the information service industry from which more than 9 years included research support, scholarly communication, library services and systems. In his current role, he is leading key projects such as research data management project and thesis. He has extensive understanding of research processes and procedures such as the research journey and research impact. Previously Iftikhar worked as Senior Librarian at the National University of Singapore (NUS).

Hetherington, Amy

Amy is an award-winning, terminally positive comedian from Darwin. She's only allowed one coffee a day. Energetic, fun and contagious, Amy engages her audience with an infectious combination of energy, wit, happiness and the bizarre. Amy has performed SOLD OUT shows at the Darwin Festival, Perth Fringe World, Melbourne International Comedy Festival and the Adelaide Fringe Festival and was a winner of the Adelaide Fringe Festival Weekly Comedy Award in 2019.

Kaestli, Mirjam

Mirjam is a microbial ecologist with the Research Institute for the Environment and Livelihoods and Menzies School of Health Research. She has a PhD in molecular microbiology and a MSc in biostatistics. Mirjam has 18 years' experience in conducting quantitative research and data analysis and she also provides biostatistical advice to RIEL HDR students

Kearns, Dr Hugh (ThinkWell™)

Hugh Kearns is recognised internationally as a public speaker, educator and researcher. He regularly lectures at universities across the world including Oxford, Cambridge, Harvard, Berkeley and Stanford. His areas of expertise include self-management, positive psychology, work-life balance, learning and creativity. He draws on over twenty five years of experience as a leading training and development professional within the corporate, financial, education and health sectors in Ireland, Scotland, North America, New Zealand and Australia. He has coached individuals, teams and executives in a wide range of organisations in the public and private sectors. Hugh lectures and researches at Flinders University, Adelaide, Australia. Continued over page



Kearns, Hugh (continued)

He is widely recognised for his ability to take the latest research in psychology and education and apply it to high-performing people and groups. As a co-author with Maria Gardiner, he has published ten books which are in high demand both in Australia and internationally.

Kirshbaum, Marilynne

Professor Marilynne N Kirshbaum is the Chair of the Human Research Ethics Committee at CDU. As an oncology nurse, her area of research has developed from an interest in the management of cancer-related fatigue into the development of a Framework for Energy Restoration that assists people to make the best use of vital energy for individual wellbeing. Previously, she was Professor of Nursing at CDU and remains committed to advancing and promoting excellence in nursing and health related research.

Moss, Simon

Dr Simon Moss is the Dean of Graduate Research and an Associate Professor of psychology at Charles Darwin University. His primary research interest concerns how characteristics of organizations and societies, such as inequality of income or leadership, influence the brain functioning—and ultimately the mood, creativity, intuition, engagement, honesty, and altruism—of individuals. To investigate these issues, Simon has published a range of books and articles in the fields of leadership, personality, motivation, integrity, and stress. For example, he is an author of “The Science of Management”, “Sustainable coaching”, “The negative side of positive thinking”, “Where should I work?”, and “Emotional Intelligence: Journey to the Source”.

Rogers, Steve

Dr. Steve Rogers is the Director of Research and Innovation at Charles Darwin University. He has a research and leadership background in the environment sector, mining exploration and mineral processing industries. With a PhD in Microbiology, he spent 13 years with the University of Adelaide and CSIRO Land & Water at the Waite Research Institute in Adelaide. He has previously been Director of the Parker CRC for Integrated Hydrometallurgy Solutions and WA program manager with the Australian Institute of Marine Science, and the CEO of: The Centre for Appropriate Technology Ltd (CfAT Ltd); and CRC for Landscape Environments and Mineral Exploration. Steve has worked closely with the global mining and oil and gas sectors and is an experienced company director holding Directorships with several commercial and not-for-profit organisations.

Royal, Bernadette

Bernadette is the Manager of the Academic and Research Services Team at CDU Library. She has worked at CDU for approximately 14 years directly assisting academics and students in Research, Teaching & Learning and EndNote support. Her areas of interest include developing student research skills and ensuring the availability of appropriate library collections in line with teaching and research. She has published in the area of information literacy and nursing students with a focus on collaboration between academics and library staff.

Wang, Zhiqiang

Zhiqiang Wang is a senior biostatistician at the Menzies School of Health Research in Darwin. As a developer of several Stata programs and R packages, he has extensive experience in analysing large and complex observational datasets. As Chief Investigator A, he has completed five NHMRC projects on chronic disease epidemiology in Indigenous and international populations. To improve data analysis efficiency, he has developed various analysis techniques, including those for matching two or more groups according to multiple factors, and for assessing confounding effects in epidemiological studies.

Zemits, Birut

Birut completed her PhD on the topic of Ethno-eco-dialogue: Filmmaking for sustainability or (simply put) ‘How movies might help save the planet and communicate across cultural groups’. This was a creative research project that included publishing articles, completing a survey, recording interviews as well as a lot of filmmaking. Her current day job is as a lecturer, post-graduate supervisor and Assistant Dean Research in the College of Education at CDU. Contact birut.zemits@cdu.edu.au

