SA ACADEMIC HEALTH SCIENCE AND TRANSLATION CENTRE

CLINICAL TRANSLATION CAREER PATHWAYS
TRAINING OPTIONS

The following tables provide a summary of training options to help guide clinicians, doctors, nurses, allied health professionals and senior managers etc. to acquire the skills required for basic knowledge translation that may lead to a career in clinical translation medicine.

They include information on short courses, certificates, diplomas, courses within degree programs as well as online courses etc. that include competencies in the following areas:

- Research translation
- Evidence based practice
- Clinical research/trials
- Commercialisation of research
- Research ethics
- IP management
- Management/leadership
- Academic career planning
- Preparing for publications in a peer reviewed journal.
- Writing and submitting applications for funding

UNIVERSITY OF ADELAIDE

Research / knowledge translation / Evidence based

Course name	Course No.	Synopsis
Master of Public Health (Translational Health Science)		This new specialisation is offered as a joint initiative of the School of Population Health and the Joanna Briggs Institute (JBI). The Translational Health Science specialisation equips graduates with skills to contribute professionally to evidence-based healthcare in public health and clinical settings.
Medical Health majors Clinical Trials		The Clinical Trials major will allow you to acquire the expertise needed to design, develop, lead and conduct clinical trials in hospitals, research organisations/institutes and pharmaceutical companies.
An Introduction to Evidence Based Health Care	NURSING 5109 -	Examine the concept of evidence based practice. Topics will include the history of Evidence Based Health Care and constructing a question (topic identification). Students will develop skills in searching for evidence and determining the quality of evidence using critical appraisal of literature.
Introduction to Translational Health Science	TRANHLTH 7000OL online	This course introduces students to the concept of translational health research. In a series of online modules, the course provides students with a background to evidence-based healthcare and the systematic review process and how this can be situated within the broader translation research trajectory (from bench research to clinical research and guideline development for practice). Students will develop skills in the management of the systematic review process, including question and inclusion criteria development, searching the literature, selecting studies and protocol development. This course provides the foundational requirements for other core courses in this stream.
Clinical wisdom in healthcare practice	TRANHLTH 7003OL online	This course offers students the opportunity to examine, explore and debate the concept of clinical wisdom and its role in evidence based clinical practice by generating discussion on defining, recognising, acquiring, transmitting, supporting and evaluating clinical wisdom. It is relevant to all of the health professions and particularly those involved supervising students and staff, in clinical practice improvement and clinicians, including medical, nursing and allied health person.
Synthesising Qualitative Evidence	TRANHLTH 7002OL online	This course introduces students to the conduct and management of systematic reviews of evidence generated through qualitative studies, narrative, opinion and text. In a series of online modules students will learn how to critically appraise different qualitative study types and how to extract and analyse data. This course reinforces and builds upon concepts addressed in Introduction to translational health science and qualitative research methods in health.

Knowledge translation: implementing evidence in practice	TRANHLTH 7005OL online	This course is the capstone course for the Master of Public Health (Translational Health Science) and provides students with an opportunity to examine current evidence related to implementation strategies and to acquire skills in the pragmatic process of assessing public health evidence and its application, engaging with multidisciplinary teams, other stakeholders and citizens/the public around practice change and implementing evidence in practice as part of quality improvement, safety and quality and practice improvement programs. The learning in this course brings together and extends the key concepts covered throughout the program in relation to public health (with particular reference to health policy and public health interventions) and translation science (specifically, the identification and implementation of evidence in practice).
Developing clinical guidelines	TRANHLTH 7004OL	This course introduces the student to the concept of clinical guidelines and the evidence based approach to developing clinical guidelines. In a series of online modules, the course provides students with background knowledge and understanding of the role of clinical guidelines and the international approaches towards developing a clinical guideline. Students will develop knowledge and skills in defining the scope of a guideline, using the best available evidence in the development of a clinical guideline and acquire an understanding on the approaches to making recommendations for practice. Students will obtain knowledge of the principles surrounding dissemination, implementation and evaluation of a clinical guideline.
Knowledge Translation	NURSING 7100OL online	Designed to equip students with the knowledge and skills to access, critique and incorporate evidence into their practice with the aim of improving patient care.
Knowledge Translation in Nursing I & 2	NURSING 1105NA online	Enable students to develop an understanding of nursing research and evidence based health care. It will focus on different research methodologies and the critical appraisal of this research. The applicability and appropriateness of this research for clinical application will be investigated and the principles of evidence-based practice will be examined.
Research Methodology		
Research Methodology and Experimentation	BIOMET 7000WT -	The Statistical Package GENSTAT 5 for Windows is introduced and utilised extensively throughout the course. Revision of basic regression and analysis of variance methodology. As part of the course a selection of case studies will be discussed to illustrate the important steps involved during a research program (ie development of aims, setting of hypotheses, design of the experiment, collection of data, analysis and interpretation of results).
Advanced Research Platforms	BIOTECH 7000 -	Introduce students to the theoretical aspects and practical applications of the major research platforms currently used in biomedical research.
Advanced Research Techniques	BIOTECH 7003 -	Expose students to a major research techniques training program. The program will introduce practical aspects of the platform technologies and develop skills in experimental design and technique. It will include basic laboratory procedures, principles of reagent preparation, good laboratory practice, good manufacturing practice and good clinical practice. The practical course component will be supported by workshops.

Research Project Part 1	BIOTECH 7010A -	This course develops specific skills in reviewing scientific, patent and industry related literature with an emphasis on understanding the commercial status and competition relevant to particular research areas in the biomedical sciences.
Research Project Part 2	BIOTECH 7010B -	It provides advanced education and training in the principles of scientific research and the current state of knowledge and techniques used in the field of biomedical research. Thus, students learn to search and understand scientific literature relevant to their chosen discipline, to design, evaluate and present scientific experiments, and to develop written and verbal communication skills.
Research Design	EDUC 7054 -	Provides an introduction to all elements of designing a research project from developing a researchable question to ethical issues. It supports students in becoming critical consumers of research and provides strategies for searching for and critiquing literature. It also provides guidance on writing a research proposal.
Research Processes	EDUC 7058 -	This course provides an introduction to post-graduate research processes including managing people and candidature, project planning and ethical research practices. It focuses particularly on the writing up of research project data.
Honours General Practice Research Proj. Part 1 & 2	GEN PRAC 4400A -	Students will develop a research question that they will address by designing a research project. They will then collect and analyse data for their project, and report the outcomes in both oral and written forms.
Honours Geog, Env & Population Research Methods	GEOG 4002 -	Students will be exposed to a wide range of research methods and will learn key principles of research design. The imperative for ethical research practice will be presented. Students will be equipped with the knowledge and ability to undertake methodologically sound, original research projects and will develop a set of transferable workplace skills.
Research Design and Methods	GEOG 5001 -	This course will provide students with a strong foundation in the conceptualisation and operationalisation of research, how to design a research project and 'hands-on' skills in the utilisation of different research methods.
Experimental research in health sciences (Adv) II	HEALTH 2000 -	This course develops students' formal knowledge of the design and implementation of experimental research with animals or humans. Students will also consider ethical conduct, science communication, and knowledge translation. Active-learning and real-world examples are emphasized in this course.
Honours Research Skills	HLTH SC 4003 -	An advanced course covering topics relating to the development of key skills associated with advanced scientific research. Students will develop the ability to critically analyse scientific research, appreciate the key elements of scientific research and engage in cross-disciplinary research.
Research Placement for Health Sciences	HEALTH 3000A -	This course is designed to expose third-year BHlthSc (Adv) students to the university medical research environment and provide an opportunity to participate in the process of scientific research. The primary component of this course is the research placement, in which students are associated with an active research group in the Faculty, facilitating opportunity to gain hands-on medical research experience.

Honours Research Skills	MEDICINE 4003 -	This course aims to help students develop the broad skills necessary to succeed in a career in science. It runs in parallel with the Honours Medicine Research Project course. The course includes a series of tutorial-style ?resource sessions? on topics that include laboratory procedures and safety issues, principles of human and animal research ethics, library resources and searching the electronic literature, practical statistics, and presentation skills.
Honours Medicine Research Skills Part 1 & 2	MEDICINE 4301A -	This course aims to help students develop the broad skills necessary to succeed in a career in science. It runs in parallel with the Honours Medicine Research Project course. The course includes a series of tutorial-style 'resource sessions' on topics that include laboratory procedures and safety issues, principles of human and animal research ethics, library resources and searching the electronic literature, practical statistics, and presentation skills.
Honours Medicine Research Project Part 1 & 2	MEDICINE 4400A -	In this course, students will search the literature relating to their project and write a formal literature review. They will use this as the basis for developing a research question that they will address by designing a research project.
Research and Clinical Reasoning Part 1 & 2	MEDIC ST 3104A -	Through a program of case-based tutorials lectures and assignments, students will further develop their knowledge and understanding of the principles of the research, evidence-based practice and clinical reasoning that underpin the practice of medicine.
Honours Nursing Research Literacy	NURSING 4300 -	This course is designed to familiarise students with the methodologies used in health research. Students will learn about empirical methods such as experimental studies and also the fundamentals of interpretive and critical methodologies, such as phenomenology. The aim is for students to learn how to read and critically evaluate research relating to their practice.
Honours Nursing Research Project Pt 1 & 2	NURSING 4400A -	This course is designed to allow students to work with a supervisor to identify a suitable research question, conduct a literature review and prepare a research proposal for submission to the appropriate ethics committee.
Interpretive and Critical Research in Health	NURSING 7002 -	This course will outline the interpretive and critical paradigms and focus on research design from this perspective. Topics will include the critique of positivism and an introduction to interpretive methodologies, such as grounded theory, ethnography and phenomenology and critical methodologies, such as feminist research and action research. Practical research activities such as literature searching, conducting interviews and coding qualitative data will also be provided.
Research Literacy	NURSING 7102OL -	This course is designed to familiarise students with the methodologies used in health research. Students will learn about empirical methods such as experimental studies and also the fundamentals of interpretive and critical methodologies, such as phenomenology. The aim is for students to learn how to read and critically evaluate research relating to their practice.
Research Methods & Statistics	PSYCHOL 4201 -	This course is designed to consolidate and extend existing undergraduate knowledge concerning methodology and statistics. The course provides expose to a range of conceptual, methodological and statistical skills that are likely to be encountered during the completion of Honours theses as well as in future research and professional work. One third of the course is directed towards qualitative methods including a review of the methods used in thematic and discourse analysis.

Surgical Science Research and Development I & 2	SURGERY 7052HO -	This course encourages students to carry out their own research into relevant topics in surgery. Students will carry out literature reviews before designing a research protocol for a given research project.
Qualitative Research Methods In Health	PUB HLTH 4078 -	This course comprises an introduction to the skills to review and conduct qualitative research. The course takes a step-by-step approach to the design and implementation of qualitative research and includes: formulating a qualitative research question; collecting, managing, and analysing qualitative data; writing and presenting qualitative findings; conducting ethical research, including writing ethics proposal for qualitative research projects.
Developing a Research Proposal	PUB HLTH 4300OL -	This research preparedness course will review and reinforce student learning on the research process and enable students to produce a research proposal ready for implementation.
Min Inv Surgery-Research & Development 1	SURGERY 7003HO -	This course encourages students to carry out their own research into relevant topics within minimally invasive surgery.
Advanced Clinical Trials	BIOSTATS 6013EX -	On completion, students have the knowledge and skills required at an advanced professional level to design and analyse clinical trials, including cross-over designs and equivalence trials, and to identify and implement statistical methods for monitoring and reporting, with appropriate knowledge of regulatory requirements.
Health Indicators & Health Surveys	BIOSTATS 6015EX -	On completion of this course students should be able to derive and compare population measures of mortality, illness, fertility and survival, be aware of the main sources of routinely collected health data and their advantages and disadvantages, and be able to collect primary data by a well-designed survey and analyse and interpret it appropriately.
Clinical Biostatistics	BIOSTATS 6016EX -	The aim of this course is to enable students to use correctly statistical methods of particular relevance to evidence-based health care and to advise clinicians on the application of these methods and interpretation of the results.
Ethics		
Research Methods & Ethics; Research Methods & Ethics Part 1 & 2	DENT 4005 - DENT 4006A -	Designed to assist students to develop research skills. The series of seminars, provides an appreciation of the scientific method and of ethics as well as practical aspects of biostatistics, experimental design, research methodology, laboratory safety and infection control, use of computers and bibliographic databases, preparation of initial research proposal, evaluation of research papers, scientific writing and presentation of research findings.
Research Methods, Experimental Design & Ethics	DENT 7200 -	The course of seminars and workshops aims to provide students with an appreciation of research methods, experimental design and ethics as they apply to research in dentistry.
Research Methods and Ethics	ODONT 6017 -	The course of seminars and workshops aims to provide students with an appreciation of research methods, experimental design and ethics as they apply to research in dentistry and forensic sciences. Students will gain an understanding of scientific methods, human and animal ethics as well as the ethics approval process. In addition students will receive a grounding in biostatistics, experimental design and methodology, analysis, management and presentation of data, evaluation of research papers, scientific writing and oral presentations.

Saving lives or respecting rights? An introduction to health ethics	PUB HLTH 1006 -	You will explore ethical issues ranging from the individual to the global level, and learn to analyse and resolve these issues using major ethical theories and principles.
Public Health Ethics	PUB HLTH 4108 -	This course uses the analytical tools provided by ethics and social philosophy to examine public health research, policy and practice. The course includes both foundational elements and the application of these elements to aspects of: epidemiological research; health promotion; disease prevention and control; public health research and practice in international settings; community based practice and research; and public health policy.
Leadership		
Fundamentals of Leadership	MANAGEMT 7086 -	Understand the role of culture, systems, authority and leadership in people-based change. Positioned at the beginning of the MBA, It also encourages you to explore and develop personal skills central to leadership. By exploring self-awareness, and developing a personal leadership philosophy students will be well placed to broaden their understanding of other individuals and social groups at work.
Leadership and Transition to Practice	NURSING 3009 - online	Leadership and transition in nursing presents students with descriptions of leadership, economics, safety and quality and encourages a reflective and practical examination of issues such as delegation. This course is provided to prepare nurses as much as possible to adjust to the transition from student to registered nurse.
Communication		
Leadership & Management in Nursing - online	NURSING 7011OL -	This course will explore contemporary issues in relation to health management in clinical nursing practice. Topics will include: health service organisation, strategic planning, financial planning, human resource management and clinical leadership.
Research Communication	EDUC 7055 -	This course focuses on developing the student's written and spoken English skills with regard to research genres in their specific disciplines.
Research Profiling & Dissemination	EDUC 7056 – one week course	This course provides an introduction to all elements of dissemination of research including oral and written research genres.
Communication for Health Sciences	PUB HLTH 1003 online	This course will be taught in intensive mode over one week, with online learning activities before and after. The course will be highly interactive and skills-based providing students with the opportunity to assess and improve their communicative competence (oral, written and interpersonal) through self and peer-assessment tasks and by using a variety of media for communication.
Career Development		
Entrepreneurship Research in Practice - online	ENTREP 7049OL online	Focuses on the skills needed to read academic research papers and write within academic standards.

Post Graduate Career Readiness	PROF 7883 -	This course will provide students with a professional assessment of their personal profile and career competencies from which a personal development plan will be created and advanced through their learning. As an outcome of this course, students will develop the skills and competencies expected by employers to increase their competitive employment advantage and achieve their career goals.
Public Health Internship III	PUB HLTH 3119 -	This course provides students with the opportunity to combine workplace experience in Public Health settings with academic study. During the course students complete a substantial project that involves the application of public health research skills and knowledge to a work environment. Students are allocated placements from a range of offerings which include government and non-government agencies.

UNIVERSITY OF ADELAIDE OTHER RESOURCES	
Animal Ethics Training	Use of Animals in Science - Ethical Considerations Open All Induction: Ethics & Wellbeing Fundamentals Use of Animals in Science: Professional Development MyUni: Animal Ethics & Welfare Introduction
Human Ethics	Training Workshop Human Ethics: HDR/RHD Student Workshop Higher degree students are invited to attend a one day workshop on human research ethics. Open to all three unis.
Career and Research Skills Training (CaRST)	CaRST is a training and development program for all Higher Degree by Research (HDR) students at the University of Adelaide. The program has been designed to deliver comprehensive research training and career development for HDR students through a suite of workshops, courses, events, online training, and resources to equip you with the skills you need to achieve your career goals.
University Library Researcher Training Series	The Researcher Training Series comprises four workshops which provide a basic introduction to research metrics (both bibliometrics and altmetrics), considerations when publishing a scholarly journal article, and managing research data effectively.

The Joanna Briggs Institute
The JBI Comprehensive Systematic Review Training Program is designed to prepare researchers and clinicians to develop, conduct and report comprehensive systematic reviews of evidence following the Joanna Briggs Institute approach and using the Joanna Briggs Institute SUMARI software. This is a one, three or five day program depending on research needs or area of interest. * CSR001 Introduction to Evidence-Based Health Care and the Systematic Review of Evidence CSR002 The Systematic Review of Evidence generated through Quantitative Research CSR003 The Systematic Review of Evidence generated by Qualitative Research, Narrative and Text *CSR0001 is a Mandatory Pre-requisite module to CSR0002 and CSR0003
The JBI Evidence-Based Clinical Fellowship Program is a six-month work place, evidence-based, implementation program involving 2 x five-day intensive training workshops in the Joanna Briggs Institute, and a work place evidence implementation project in the intervening months. * Enrolment in this program includes complementary enrolment to the 'Clinical Leadership Program'.
The **JBI Clinical Leadership Program** is a one-day program open to all leaders and leaders-to-be in all health care disciplines.
Higher Degrees by Research Program (JBI-HDRP) The Institute's research degree programs have been designed to meet the needs of busy clinicians and healthcare professionals who are seeking to grow or establish their careers. **Master of Clinical Science** Attain comprehensive training in research methodologies and techniques associated with evidence-based healthcare and in the critical evaluation of evidence and research. **Post Doctoral Programs** Extend research experience and knowledge of evidence-based healthcare with a tailored program to meet specific needs **Visiting Scholar Program** Health professionals, health scientists and health service managers can apply for a tailored program to meet specific needs.

FLINDERS UNIVERSITY

Research / knowledge translation / Evidence based

Course name	Course No.	Synopsis
Bachelor of Nutrition and Dietetics (Honours) Honours Research Project in Nutrition and Dietetics	NUTD7106	This topic is designed to meet the national competency standards for entry level dietitians in Australia, specifically Unit 7: Research and Evaluation. It will be at an advanced level compared to the research topic administered for students of the Bachelor of Nutrition and Dietetics as this topic is a core topic for students admitted to the Bachelor of Nutrition and Dietetics Honours program.
Health Professions and Society 4: Evidence for Quality Practice	MMED8404	The aim of this topic is to give student practical skills in evidence based medicine and clinical audits, as key skills in quality clinical practice.
Undertaking Translational Research in Cancer Prevention	PHCA9517	This topic will introduce translational research that translates research conducted under controlled experimental conditions into practical, "real-world" applications. To provide students with the opportunity and skills to critically evaluate an intervention aimed at the prevention of chronic disease and to plan their own research project. The study will examine the requirements for assessing efficacy and effectiveness in cancer prevention programs and implications for issues of equity.
Master of Speech Pathology Speech Pathology Research Methods	SPTH9120	In this topic students will build on the introductory work they have done on critical thinking, scientific inquiry and evidence-based practice to further their understanding of how clinical research can be designed, conducted and evaluated. The process of constructing scientifically answerable questions and hypotheses will be explored, concepts of experimental and non-experimental research introduced and selection of appropriate methodology(s) to answer research questions discussed. The relationship of research design with evidence-based practice principles will be elaborated. In addition, the four core academic abilities will be developed to an early intermediate level: Reasoning; Professional Communication; Lifelong Learning; and Professional Role.
Research in Practice	SPTH9220	In this topic students develop the knowledge and skills required for evidence-based practice in speech pathology. Students will partner with clinicians to formulate an answerable clinical question. Once the question is determined, they will search for the current best evidence, critically appraise the evidence, synthesise it and make recommendations about practice based on the integration of client/family values, clinical expertise and research evidence. This will be presented within an evidence-based practice framework.
Research and Practice in Speech Pathology 2	SPTH4710	Students will gain skills in analysing and presenting research findings in a scientific manner and using evidence based practice in their clinical work. Students will either, (1) work on a small research project under supervision, or (2) work independently and in small groups to develop the research skills necessary for engaging in evidence-based practice.

Research Project: Planning and Preparation	NUTD9165	This topic will introduce students to practical experience in methodical planning for an ethically approved short-term research project, following their introduction to basic methods of research in nutrition and dietetics.
Master of Human Nutrition Master of Nutrition and Dietetics Research Methods and Critical Thinking in Human Nutrition	NUTD9230	This topic will further enhance students knowledge of evidence based nutrition and dietetic practice through focussing on the basic approaches to investigating nutritional health and diet-related disease states in individuals and populations, and the application of these in the field of nutrition and dietetics. After an introduction to basic methods of research in nutrition and dietetics, students will be provided with an opportunity to develop a research proposal as part of a group and then analyse a database of relevance to the research question, interpret the findings and present these in a form suitable for a scientific audience
Masters Research Project in Nutrition and Dietetics	NUTD9223	This topic will introduce students to practical experience in conducting a short-term research project, following their introduction to basic methods of research in nutrition and dietetics and building on their planning and proposal development from earlier topics.
Bachelor of Speech Pathology Research Methods in Speech Pathology	SPTH1202	In this topic students are introduced to research designs and methodologies in allied health/speech pathology and explore the measurement(s) of human behaviour, human opinions/ judgments and the efficacy of therapy and intervention within the framework of Evidence-Based Practice (EBP). Students gain an understanding about the ways in which allied health professionals, such as speech pathologists might apply knowledge about research methods when dealing with a range of communication disorders across a variety of client groups (i.e., children, adults, or the elderly).
Bachelor of Nutrition and Dietetics Research Methods & Skills in Evidence Based Nutrition Practice	NUTD4102	This topic will further enhance students knowledge of evidence based nutrition and dietetic practice through focussing on the basic approaches to investigating nutritional health and diet-related disease states in individuals and populations, and the application of these in the field of nutrition and dietetics. After an introduction to basic methods of research in nutrition and dietetics, students will be provided with an opportunity to develop a research proposal as part of a group and then analyse a database of relevance to the research question, interpret the findings and present these in a form suitable for a scientific audience.
Research Methodology	
Health Professions and Society1B: Advanced Studies - Clinical Research Foundations	MMED8106	The topic introduces the knowledge and skills required to undertake a scientific research project, with a focus upon research methodology (quantitative, qualitative, and mixed methods), ethics, biostatistics and epidemiology.
Health Professions and Society 3A: Advanced Studies	MMED8304	This topic aims to deepen the student's understanding of research methods and ethics through the application of this knowledge to a scientific research project under the guidance of a clinical or academic supervisor.
Health Professions and Society 2B: Advanced Studies	MMED8205	The aim of this topic is to deepen the student's understanding of research methods and ethics and the principles that underpin socially responsible scientific research, through the application of this knowledge to supervised research activities undertaken as part of an approved research project.

Health Sciences Research Methods	MMED8904	The overall aims of the topic are to: provide Allied Health and Nursing staff with the knowledge and skills required to plan and undertake clinical research projects or actively participate in a research team encourage and facilitate Allied Health and Nursing staff to undertake research and integrate research into their everyday clinical practice.
Skills for Medical Scientists 1	MDSC1102	This topic is designed to progressively cover the key elements necessary for successful careers in medical science. It includes critical appraisal of scientific literature, the concept of experimental design, hypothesis development and testing.
Skills for Medical Scientists 2	MDSC2000	Skills for Medical Scientists 2 provides a detailed look at the techniques used in biomedical research. It introduces students to a variety of methods, tools and approaches used in biomedical research. I
Skills for Medical Scientists 3	MDSC3000	This topic is designed to give students an appreciation of the issues and complexities of medical science and research in the current climate of funding imperatives. The student will also learn of the bridges and networks that operate between university-hospital, research institutes and commercial companies.
Clinical Research Methods	MMED8903	This topic is intended to meet the needs of clinicians (medical trainees and specialists, nursing and allied health clinicians) wishing to learn more about initiating and conducting research.
Public Health Research	PHCA9202	Public Health Research aims to develop skills in the use of research to improve public health policy and practice.
Qualitative Research Methods	PHCA9502	This topic will provide students with the opportunity to develop skills in qualitative research and to understand and apply the theoretical and methodological foundations of qualitative approaches to health services research.
Research and Practicum Skills	SPOC8741	This topic aims to develop and extend students' understanding of and skills in: Methods of collecting data and evaluating its reliability, accuracy and relevance. Tailoring oral presentations to suit topics and audiences Completing submissions and applications, both pro-forma and unstructured
Master of Audiology Research Project	AUDI9214	In this topic students will design, conduct and write up a research project in small groups. Students will meet together regularly in their groups and with their supervisor(s) through the semester and will present in groups, the project and its findings in both oral and written forms, towards the end of the semester.
Research Methods	AUDI9404	This topic introduces students to the basic principles and practices of research methods in allied health and related disciplines. The topic commences with a week-long intensive series of seminars and group workshops in research ethics, design, data analysis and research writing. Students will work through the remainder of the semester in small groups to develop a research proposal for a project to be conducted later in the year, and each group will present this in both oral and written format towards the end of the semester.

Bachelor of Disability and Developmental Education (Honours) Foundations of Disability Research	DSRS7005	This topic is designed to enable students to systematically search and critcially appraise literature in their chosen research topic in disability and obtain full ethics approval if needed. Students will be required via workshops and supervision to identify a research question, explore research methodology options, undertake a critcial appraisal of the literature, make a research proposal presentation and complete any relevant ethics applications. Students will be exposed to specific research designs such as Single Case Experimental Design and also prinicples of Inclusive research.
Bachelor of Health Sciences Bachelor of Healthy Ageing Qualitative Methods for Social Health Research	HLTH3102	This topic introduces students to various forms of qualitative health research methodologies (phenomenological, ethnography, symbolic interactionism, narrative, etc) and associated methods used primarily in non-clinical settings. The aim is to equip students with the necessary knowledge to both critique current qualitative/interpretive research approaches, to undertake this form of health research in a variety of settings, and to be cognisant of the ethical issues of researching human subjects on sensitive topics.
Bachelor of Health Sciences; Bachelor of Exercise Science; Bachelor of Healthy Ageing Quantitative Methods for Social Health Research	HLTH3105	The topic is divided into two main components. First, the topic provides an introduction to quantitative methods commonly used in social health research with a focus on descriptive design eg., observational studies and the logic of quantitative methods in support of mixed methods. The second component provides an introduction to hypothesis testing, descriptive and inferential statistical methods . Together the components provide the basis for understanding evidence-based medicine and health care. As in HLTH3102 the focus is on student capacity to provide critical and theoretical explanations for research findings, drawing on both sociological and psychological theories of health and illness with specific relevance to the social determinants of health and to appreciate the issues of research with vulnerable groups and sensitive issues.
Master of Exercise Physiology Rehabilitation Research Methods	REHB9034	This topic involves the identification of different types of research study designs, evaluating strengths and weaknesses and selecting appropriate designs in clinical rehabilitation practice. Students will be able to set realistic and appropriate aims and objectives for rehabilitation research projects and develop strategies for locating, accessing and evaluating information. This topic also aims to familiarise students with quantitative and qualitative approaches to clinical rehabilitation research to employ appropriate methods in conducting their own research. Students must enrol in and complete this topic to be able to enrol in REHB9101 Clinical Rehabilitation Research Project Design and REHB8021 Advanced Rehabilitation Practice Project Design.
Clinical Rehabilitation Research Project Design	REHB9101	This topic involves critical analysis of literature and research project design in anarea of clinical rehabilitation.
Bachelor of Midwifery Building Research Skills for Midwives Clinical Rehabilitation Research Project Design	MIDW2003	This topic is designed to introduce experienced midwives and student midwives to ways of knowing and research methodologies. The students will then examine the methodologies importance in generating midwifery knowledge and how this knowledge can be usefully applied to midwifery practice. Quantitative and qualitative paradigms are identified and the different kinds of knowledge that these inquiry paradigms generate. At the completion of the topic the students are expected to be able to critically analyse midwifery research reports.

Bachelor of Midwifery (Honours) Master of Midwifery Approaches to Research Designs	NURS9218	This topic is a core requirement the research preparation program.
Master of Midwifery Capstone: Advancing Research Knowledge to Inform Healthcare Practice	NURS9222	This topic is for students' to develop the ability to critically review research evidence for practice to strengthen the integration of research into practice.
Research Project	NURS9614	This topic involves supervised individual reading and research in the area of nursing and its contributing disciplines. The work is to be reported in a research project report of approximately 18,000 words which shall be examined by two examiners, one of whom shall be external to Flinders University. Previous coursework topics have provided preliminary preparation (literature review and draft proposal) for the project. The research project shall demonstrate: a substantial analysis of a problem; small scale research project; a thorough understanding of the research methodology employed.
Bachelor of Nursing (Honours) Master of Nursing (Coursework and Research) Approaches to Research Designs	NURS9218	This topic is a core requirement the research preparation program.
Introduction to Research	NURS9219	This topic introduces students to the drivers for research, developing a research question and identifying research paradigms. The topic also engages the student in self-reflection and project management for research completion.
Clinical Rehabilitation Research Project Implementation and Evaluation	REHB9102	The project involves individual reading and implementing a research project design in the area of clinical rehabilitation and its contributing disciplines. The work is to be reported in a research project report written in the form of a journal article.
ETHICS		
Graduate Diploma in Applied Gerontology Graduate Diploma in Palliative Care Graduate Diploma in Palliative Care in Aged Care	AGES9026 Design and Ethics in Research with Vulnerable Populations	This topic provides students from diverse professional backgrounds with a framework to consider the issues and challenges of researching vulnerable populations. Understanding ethics in research, particularly when involving vulnerable populations provides a strong foundation in achieving a better understanding of research design and methodology. The decision-making process in designing and conducting research with vulnerable people must take place in the context of ethical considerations. The focus of the topic is 'understanding design and ethics in research with vulnerable populations'. Through this focus students will examine key concepts in research design,

Master of Palliative Care Master of Palliative Care in Aged Care		methodological challenges when researching vulnerable populations and the process of developing a sound research proposal in the context of ethical considerations.
Writing Research Proposals for Ethical and Funding Requirements	NURS9221	This topic enables students to develop skills and knowledge to be able to complete an ethical application for research and a funding application for research.
Health Ethics	HACM9205	Theories and models of ethical reasoning, major ethical orientations found in modern settings, current ethical issues and debates, the ethical responsibilities associated with managerial and professional roles in health care.
Legal and Ethical Aspects of Health Care	HLTH1003	The topic combines an appreciation of the legal governance of health care with the professional governance of the ethical conduct of health practitioners across a range of professional areas.
Leadership		
Leadership: Theory, Practice and Experience	BUSN9236	The topic aims to provide students with skills and knowledge to improve their potential to assume or further develop leadership positions in all three business sectors.
Leadership in Health and Aged Care	HACM9100	This topic provides an introduction to leadership and management theory with a focus on current trends in leading and managing people in health and aged care settings.
Leadership & Change for the Health Professions	HLED9106	This topic provides a bridge from theory to practice designed to develop leadership and change management skills, and practice. The content is designed to be transferable across the spectrum of healthcare settings with emphasis on educational leadership, negotiating change and influencing health services.
Leadership in Health Studies	NURS9126	This topic will enable students to develop knowledge of contemporary leadership theories and engage them in debate and critique about their current and future roles as leaders in the country in which they work. It will make the distinction between leadership and management and encourage students to identify their own leadership style and their leadership role and into the future
Leadership in Public Health: Theory and Practice	PHCA3514	This topic provides students with an opportunity to develop knowledge of leadership theories and approaches, identify their own leadership approach and recognise how leadership is critical to change in public health.
Leadership and the New Public Health	PHCA9510	This topic will attempt to develop and deepen the students' knowledge and skills in public health/primary health care leadership and to increase their breadth of understanding of their leadership role by enabling them to re-evaluate their own approaches and assumptions of leadership using appropriate theories and experiences.
Managing People	BUSN9248	This topic develops the skills and knowledge required to effectively manage people in work contexts.

Communication		
Communication Skills for Research Higher Degree students	COMS9001	This topic helps students to develop their written and oral skills for use in higher degree research. It will develop their general and academic communication skills within the specific context of their course of study.
Academic and Professional Communication	COMS1001	This topic helps students to develop their oral, written, critical reasoning and teamwork skills for use in study and the workplace.

FLINDERS UNIVERSITY OTHER RESOURCES	
Workshops and seminars	The Professional Development Unit (PDU), the Student Learning Centre (SLC), the Office of Graduate Research (OGR) and the Research Services Office (RSO) run Workshops and Seminars throughout the year to assist staff and Research Higher Degree (RHD) students navigating and working with Research Administration.
RHD Professional Development Program	https://www.flinders.edu.au/research/researcher-support/development-and-training/upcoming-workshops-and-seminars.cfm https://www.flinders.edu.au/about_research_files/Documents/Workshops/Research%20Ethics,%20Biosafety%20&%20Integrity%20Training%20Schedule%20-%20at%2010Feb14.pdf

UNIVERSITY OF SA		
Research / knowledge translation / Evidence based		
Course name	**Course No.**	**Synopsis**
Evidence-Based Practice	(HLTH 5122)	The aim of this course is to develop a sound understanding of the principles and practical applications of evidence-based practice in health research.
Evidence Based Practice in Health Care	(REHB 5024)	The aim of this course is to provide students with an overview of evidence based practice, and equip them with the knowledge and skills to identify, access, evaluate and implement the evidence for a topic in allied health.
Evidence Based Practice 1	(HLTH 1028)	The aim of this course is to provide students with foundation knowledge and skills for evidence based practice in health sciences. This course is designed to develop foundation knowledge and skills in evidence based practice in health sciences.
Evidence Based Practice 2	(HLTH 2021)	The aim of this course is to apply the principles of evidence based practice in interpreting health science literature.
Evidence Based Practice 3	(HLTH 3045)	The aim of this course is to undertake and develop skills in conducting a systematic search and review of the literature.
Research Methodology		
Research Project Preparation	(NASC 4003)	To provide students with an introduction to the research environment; the nature of scientific research, particularly laboratory-based research; information retrieval techniques; the student-supervisor relationship; record keeping; time management; bibliography management; OH&S in laboratories; research ethics; presentation skills; report-writing; reading topic.
Research Methodologies	(NURS 3044)	To develop students' knowledge and understanding of the research process, research methodologies and research methods.
Research Methods (Honours)	(SOCU 4004)	To enable students to critically review the principles underlying research, to identify the range of research methods and design used in the relevant field of study, and critically evaluate their application for specific research questions.

Research in Practice	(REHB 2024)	The aim of this course is to develop students' knowledge of research to equip them to be critical consumers of research, equip them to engage in evidence-based practice and to prepare them to engage in research at a beginning level.
Honours Research Project 1	(NASC 4005)	To provide students with an introduction to the nature of scientific research, particularly laboratory-based research; information retrieval techniques; the student-supervisor relationship; record keeping; time management; bibliography management; OH&S in laboratories; research ethics; presentation skills; report-writing; reading topic.
Research Proposal	(HLTH 5127)	The aim of this course is to develop a clear understanding of the requirements, structure and function of research proposals through the development of a specific student directed research proposal.
Honours Research Project 2	(NASC 4007)	This course is intended to provide an introduction to research project, research the scientific literature to understand and be able to describe to others the background and current state of knowledge in the area of research project, and establish a research plan, and commence research work on the project.
Research Methods	(INFT 4017)	To develop students skills to participate in a research project. Introduction to research; Literature search and review; Research organisation (select topic, formulate research question, design research project, critical results evaluation and summary).
Research and Evidence in Pharmacy	(PHAR 3023)	To introduce students to the principles of research methodology, to reinforce understanding of statistical analysis for solving problems related to pharmacy practice, and to consider the ways in which evidence is used to influence pharmacy practice
Studies in Multi-Disciplinary Research	(ENVT 4027)	To provide an introduction to, understanding of and training in multi-disciplinary research. The meaning of research; methods of research; the meaning of multi, trans, cross and inter disciplinary research. Team dynamics, management and leadership. Research project management.
Perspectives in Health Research 300	(HLTH 3035)	The aim of this course is to develop research knowledge through the process of conceptualising a research question and a valid and appropriate study design. Qualitative and quantitative approaches to research, types of research questions and designs, types of data generated and how the data is managed to answer the research question with rigour. Ethics in research.
Honours Research Practice B	(MEDI 4008) & A (MEDI 4007)	To introduce the student to the conduct of scientific research through participation in a research project to provide education and experience appropriate to employment in research positions or as a basis for further study towards higher research degrees.

Research Methodology 400A	(BIOL 4011)	To promote development of awareness of good scientific practice and ethical issues in research. Qualitative and quantitative research. Experimental design. Research processes and the regulatory environment including funding mechanisms in relation to Biotechnology. Ethical requirements for use of humans and animals in research. Good Laboratory Practice.
Health Professional Essentials	(PHAR 1008)	To provide commencing students with the necessary numerical, ethical and academic writing skills and an introduction to appropriate professional behaviours, rights and responsibilities.
Current Topics in Medical Research	(MEDI 3014)	To provide students with exposure to 'real life' current medical research and opportunities in the field. Evaluation of scientific literature, project planning and scientific communication. Development of research questions.
Leadership		
Management Principles	(BUSS 1054)	To provide students with an understanding of the nature of management, work and its organisation.
Communication		
Communications and Research Methods	(AERO 3013)	To provide students with the basic concepts and theories of communication, and to introduce them to a range of research perspectives. Communication concepts and theories: organisational communication, presentation and public speaking, groups and teams in organisations, principles of business writing, business correspondence, employment communication, emerging communication trends. Research methods: experimental, quasi-experimental and observational approaches; quantitative and qualitative methods; introductory statistical procedures.

UNISA OTHER RESOURCES	
EBP e-learning resource	This online resource provides an innovative and flexible means for self-directed training at a pace appropriate to your own style of learning. It offers health students, clinicians and academics access to resources and tutorial modules.
Research proposal writing workshops Face-to-face workshops.	Proposal writing workshops are tailored to discipline areas. There is a mix of series and standalone workshops. There are also proposal discussion groups, weekend workshops, writing retreats and bootcamps The workshops and web resources listed on the site are designed for PhD, Masters and professional doctorate by research students writing research proposals in disciplines within the social sciences, humanities and business. Each topic takes up some aspect of research proposal writing, and forms the basis of the on-campus Research proposal commencing series. Workshop topics: 1. Reading and writing research 2. Writing the introduction and research justification 3. Reviewing literature 4. Research design and method; Writing the research proposal.

iCAHE's Learning Hub	The international Centre for Allied Health Evidence (iCAHE) learning hub is the starting point for a range of self-directed, open access learning resources aimed to introduce you to, or expand your knowledge of, evidence-based practice (EBP). This section of the iCAHE website provides tutorials, podcasts, examples and booklets that can be worked through at own pace and in a manner best suited to indivuals learning style. Current learning hub resources: • EBP e-learning resource • MS Excel short course in data handling & statistical function • A short course in searching the literature Podcast presentations - a collection of research presentations • Links to external free learning resources: Evidence Informed Practice - Foundations of EIP - From the University of Minnesota OnlineCourses.com - Free online courses from a range of US Colleges and Universities, covers multiple topics http://www.csh.umn.edu/research/foundations-evidence-informed-practice-modules http://onlinecourses.com/ **Resources Available Through University of SA International Centre For Allied Health Evidence** (ICAHE): Research Hub: http://www.unisa.edu.au/Research/Sansom-Institute-for-Health-Research/Research/Allied-Health-Evidence/Quality-Care/ReA27:D32search-Hub/ Learning Hub: http://www.unisa.edu.au/Research/Sansom-Institute-for-Health-Research/Research/Allied-Health-Evidence/Resources/Evidence-based-Practice-Online/ Prof Cert in Health Consumer Engagement: http://www.unisa.edu.au/Health-Sciences/Programs-and-Courses/Short-courses/Professional-Certificate-in-Health-Consumer-Engagement/
Workshops and resources for different stages of PhD, masters by research or professional doctorate.	Many of these workshops are delivered in series: • Academic integrity & ethics • Finding research information • Writing your research proposal • Methodology & data analysis • Communicating research Writing your thesis or exegesis • Publishing & measuring impact • Applying for grants • Developing your career

Research Education Support Activities on campus workshops	• Beyond Google for your research • Company and industry information • EndNote essentials • Finding chemical literature using SciFinder • Finding research proposals and theses • Manage and maximise your author profile • Publishing with impact: where and how • Publishing your research and what editors want • Research Data Management Seminar • Systematic reviews: managing your search results • Systematic reviews: searching for the best evidence • Tools for collaboration: reference management software • Tools for collaboration: sharing documents and data
Research@UniSA is part of the "Academic Practice at UniSA" program and introduces continuing and cessational academic staff to research at UniSA.	The half-day Research@UniSA workshop covers: • Responsible conduct of research • Support whilst looking and applying for funding • Support in establishing and managing your project • Research outputs and impacts

MASSIVE OPEN ONLINE COURSE (MOOC)	
A Massive Open Online Course (MOOC) is an online course aimed at unlimited participation and open access via the web.	
Ethics	
Data Science Ethics (edX)	This course focused on ethics specifically related to data science will provide you with the framework to analyze these concerns. This framework is based on ethics, which are shared values that help differentiate right from wrong. Ethics are not law, but they are usually the basis for laws.
Research Methodology	
Understanding Research Methods (Coursera)	This MOOC is about demystifying research and research methods. It will outline the fundamentals of doing research, aimed primarily, but not exclusively, at the postgraduate level. It places the student experience at the centre of our endeavours by engaging learners in a range of robust and challenging discussions and exercises befitting SOAS, University of London's status as a research-intensive university and its rich research heritage.
Qualitative Research Methods (Coursera)	In this course you will be introduced to the basic ideas behind the qualitative research in social science. You will learn about data collection, description, analysis and interpretation in qualitative research. Qualitative research often involves an iterative process. We will focus on the ingredients required for this process: data collection and analysis.
Research Methods (saylor.org)	This Research Methods course is part one of the two-part Research Methods series, which also includes the Research Methods Lab course. Research is the foundation on which any solid science is built. This course will introduce you to research methodologies frequently used in the social sciences and especially those used in the field of psychology.
Developing Your Research Project (FutureLearn)	The course is intended for anyone who is currently undertaking or planning to undertake a piece of academic research. Developed and delivered by research-active academics, the course will support you with every step of the research process, from developing a hypothesis and finding sources to writing up and presenting one's findings.
Mastering Academic Research: Information Skills for Successful Students (Canvas.net)	Learn how to find, evaluate, and use library databases, scholarly repositories, data archives, and other open-access materials in your own research,

Understanding Research: An Overview for Health Professionals (Coursera)	Participants will learn the elements of research methods and design that are essential to the translation of knowledge into clinical practice, administration/leadership, and health policy.
Research Methods Lab (saylor.org)	This Research Methods Lab course is part two of the Research Methods series. You should not attempt this course without having first completed the "Research Methods" course. This Lab extends beyond the basics of research methodology and the logic of experimental design, concepts you learned in "Research Methods".
Data Management /Analysis	
Managing Data Analysis (Coursera)	This one-week course describes the process of analyzing data and how to manage that process. We describe the iterative nature of data analysis and the role of stating a sharp question, exploratory data analysis, inference, formal statistical modeling, interpretation, and communication. In addition, we will describe how to direct analytic activities within a team and to drive the data analysis process towards coherent and useful results.
Statistical Inference (Coursera)	This course presents the fundamentals of inference in a practical approach for getting things done. After taking this course, students will understand the broad directions of statistical inference and use this information for making informed choices in analyzing data.
Reproducible Research (Coursera)	This course focuses on the concepts and tools behind reporting modern data analyses in a reproducible manner. Reproducible research is the idea that data analyses, and more generally, scientific claims, are published with their data and software code so that others may verify the findings and build upon them.
Data-driven Decision Making (Coursera)	In this course you'll get an introduction to Data Analytics and its role in business decisions.You'll also be introduced to a framework for conducting Data Analysis and what tools and techniques are commonly used. Finally, you'll have a chance to put your knowledge to work in a simulated business setting.
A Crash Course in Data Science (Coursera)	In this one-week class, we will provide a crash course in what these terms mean and how they play a role in successful organizations. This class is for anyone who wants to learn what all the data science action is about, including those who will eventually need to manage data scientists. The goal is to get you up to speed as quickly as possible on data science without all the fluff. We've designed this course to be as convenient as possible without sacrificing any of the essentials.

Getting and Cleaning Data (Coursera)	This course will cover the basic ways that data can be obtained. The course will cover obtaining data from the web, from APIs, from databases and from colleagues in various formats. It will also cover the basics of data cleaning and how to make data "tidy". Tidy data dramatically speed downstream data analysis tasks. The course will also cover the components of a complete data set including raw data, processing instructions, codebooks, and processed data. The course will cover the basics needed for collecting, cleaning, and sharing data.
Introduction to Big Data (Coursera)	This course is for those new to data science and interested in understanding why the Big Data Era has come to be. It is for those who want to become conversant with the terminology and the core concepts behind big data problems, applications, and systems.
Data-driven Decision Making (Coursera)	In this course you'll get an introduction to Data Analytics and its role in business decisions. You'll learn why data is important and how it has evolved. You'll be introduced to "Big Data" and how it is used.
Computing for Data Analysis (Coursera)	This course is about learning the fundamental computing skills necessary for effective data analysis.
Statistics: Making Sense of Data (Coursera)	This course is an introduction to the key ideas and principles of the collection, display, and analysis of data to guide you in making valid and appropriate conclusions about the world.
Passion Driven Statistics (Coursera)	With existing data, you will develop skills in data analysis and basic statistics by exploring your own research question.
Data Management for Clinical Research (Coursera)	Learn critical concepts and practical methods to support research data planning, collection, storage and dissemination.
Health Data Analytics MOOC (CSS)	This course is designed to provide participants with a detailed description of data analytics in health care. Big data in health care has sparked a lot of interest in applying large-scale data analytical techniques for acquiring new information about existing data.
Health Informatics on FHIR (Coursera)	Through this course even non-technical students can gain basic proficiency in health informatics: the application of computing to healthcare delivery, public health and community-based clinical research. The overall course paradigm is the Institute of Medicine's vision of a "Learning Health System" that uses data from actual patient care to gain new knowledge and feeds that knowledge back as care is delivered to achieve a safer, higher quality and more cost effective health delivery system.

Research Data Management and Sharing (Coursera)	This course will provide learners with an introduction to research data management and sharing. After completing this course, learners will understand the diversity of data and their management needs across the research data lifecycle, be able to identify the components of good data management plans, and be familiar with best practices for working with data including the organization, documentation, and storage and security of data
Interprofessional Healthcare Informatics (Coursera)	Interprofessional Healthcare Informatics is a graduate-level, hands-on interactive exploration of real informatics tools and techniques offered by the University of Minnesota and the University of Minnesota's National Center for Interprofessional Practice and Education. We will be incorporating technology-enabled educational innovations to bring the subject matter to life. Over the 10 modules, we will create a vital online learning community and a working healthcare informatics network.
Commercialisation/entrepreneurship	
Entrepreneurial Opportunities (edX)	In this course, you will work with the expert team at the Entrepreneurship, Commercialisation and Innovation Centre at the University of Adelaide. They have experience as entrepreneurs and investors and have facilitated the establishment of many successful businesses.
Innovating in Health Care (edX)	Improve critical thinking about healthcare entrepreneurship by reading, discussing, and analyzing case studies and writing a business plan.
Medical Technology and Evaluation (Coursera)	This course aims to provide knowledge of the concepts, data, and methodology required to critically evaluate new medical technologies in order to secure financial investment, reimbursement, and regulatory compliance objectives, such as FDA approval. The course is designed to provide understanding of the analytic tools needed to evaluate medical technologies
Healthcare Innovation and Entrepreneurship (Coursera)	This interdisciplinary course focuses on sustainable innovation, introducing entrepreneurial students to the realities of problem identification and solution design within the complex world of healthcare.
Communication	
How to Write and Publish a Scientific Paper (Project-Centered Course) (Coursera)	In this project-based course, you will outline a complete scientific paper, choose an appropriate journal to which you'll submit the finished paper for publication, and prepare a checklist that will allow you to independently judge whether your paper is ready to submit.

Communicating Data Science Results (Coursera)	In this course you will learn to recognize, design, and use effective visualizations. In this course you will explore the ethical considerations around big data and how these considerations are beginning to influence policy and practice.
Scholarly Communication (Coursera)	Scholarly Communication is a concise but comprehensive course on how to write research papers in English. The course will help the candidates gain a better understanding of the rhetorical conventions of English and the common challenges the candidates may face as an academic writer. The course provides instruction, exercises, structure, and deadlines needed to create a publishable paper.
Composing for Public Audiences: Writing, Rhetoric, and Research (Canvas net)	This course develops and refines participants' skills in composing, rhetorical analysis, and research. The course emphasizes persuasive and researched writing, peer review, and composing in various forms and media.
SciWrite: Writing in the Sciences (Stanford Online)	This course teaches scientists to become more effective writers, using practical examples and exercises.
How to Write and Publish a Scientific Paper (Project-Centered Course) (Coursera)	In this project-based course, you will outline a complete scientific paper, choose an appropriate journal to which you'll submit the finished paper for publication, and prepare a checklist that will allow you to independently judge whether your paper is ready to submit.
Collaboration and Communication in Healthcare: Interprofessional Practice (Coursera)	Interprofessional collaborative practice is key to safe, high quality, accessible, patient-centered care. This course aims to introduce health professions learners to the fundamental principles and skills for effective interprofessional collaborative practice.
Clinical Trials/Research	
Introduction to Systematic Review and Meta-Analysis (Coursera)	We will introduce methods to perform systematic reviews and meta-analysis of clinical trials. We will cover how to formulate an answerable research question, define inclusion and exclusion criteria, search for the evidence, extract data, assess the risk of bias in clinical trials, and perform a meta-analysis.
HSPH-HMS214X: Fundamentals of Clinical Trials (edX)	Clinical trials play a pivotal role in evidence-based medicine. This course will discuss the design, conduct, analysis, and interpretation of Phase I-IV clinical studies.

Design and Interpretation of Clinical Trials (Coursera)	The course will explain the basic principles for design of randomized clinical trials and how they should be reported. In the first part of the course, students will be introduced to terminology used in clinical trials and the several common designs used for clinical trials, such as parallel and cross-over designs. We will also explain some of the mechanics of clinical trials, like randomization and blinding of treatment. In the second half of the course, we will explain how clinical trials are analyzed and interpreted. Finally, we will review the essential ethical consideration involved in conducting experiments on people.
Introduction to Translational Research: Connecting Scientists and Medical Doctors (FutureLearn)	In this course, you will examine the steps from benchside (research) to bedside (clinical) that translational medicine follows - starting with identifying a disease and following on through drug development and preclinical trials.
Understanding Clinical Research: Behind the Statistics (Coursera)	If you are simply interested in properly understanding the published literature or if you are embarking on conducting your own research, this course is your first step. It offers an easy entry into interpreting common statistical concepts without getting into nitty-gritty mathematical formulae. To be able to interpret and understand these concepts is the best way to start your journey into the world of clinical literature
Clinical Epidemiology (Coursera)	This course teaches the principles and practice of clinical epidemiology, drawing on real problems faced by medical professionals and elaborating on existing examples of clinical research. Medical researchers will lean how to translate real clinical problems into tangible research questions for investigation, gaining insight into some of the most important considerations when designing an epidemiological study along the way.
More Info Pragmatic Randomized Controlled Trials in Health Care (edX)	Pragmatic randomized controlled trials reliably work out which of several healthcare interventions works best under real-world conditions.
Improving Healthcare Through Clinical Research (FutureLearn)	This free online course is all about this process of discovery and how it is used to improve healthcare. Together, we will look in detail at why we do research and how we do it. We will bring this to life through cases studies covering topics such as how research is helping to find new ways of treating and providing care for some of the major diseases including cancer and dementia. Through the course we will focus on the important ethical questions raised by clinical research and take a look into the future.

Evidence based practice	
Foundations of Evidence-Based Practice in Healthcare (Canvas net)	This course will provide a foundational overview of evidence-based practice (EBP) in nursing and health sciences, including the seven steps of the EBP process as well as research supported strategies for implementing EBP in real world settings. The course will be taught by internationally renowned experts in EBP who will share their knowledge and skills gained through decades of work with hundreds of healthcare organizations across the nation and the globe. The course will include lectures, readings, and skill building activities.
System Dynamics for Health Sciences (edX)	Learn to use system dynamics to better understand complex medical issues and interventions.
Understanding Research: An Overview for Health Professionals (Coursera)	Participants will learn the elements of research methods and design that are essential to the translation of knowledge into clinical practice, administration/leadership, and health policy.
Practical Improvement Science in Health Care: A Roadmap for Getting Results (edX)	Practical Improvement Science in Health Care: A roadmap for getting results will provide learners with the valuable skills and simple, well-tested tools they need to translate promising innovations or evidence into practice.
Leadership	
Health Leadership (Coursera)	In this course, we explore what it means to be a leader in the context of healthcare. How is it different to leadership in other industries? What are the particular skills and attitudes leaders need to have to navigate the complexity of healthcare leadership?
Clinical Supervision with Confidence (FutureLearn)	This course is designed to enhance the supervision skills of clinical and educational supervisors of trainee doctors. Supervise medical students and trainees effectively with this free online course, ideal for clinical and educational supervisors.
Applications of Everyday Leadership (Coursera)	This course covers the following topics: negotiation, feedback and coaching, conflict management, and leading change. The objectives are to learn how to use leadership skills to work more effectively with others, how to use leadership skills to organize others to work more effectively together, and to apply the foundations of effective leadership skills to everyday situations faced by leaders.
Foundations of Everyday Leadership (Coursera)	In this course you will learn about the "head and heart" of everyday leadership, individual decision making, group decision making, and managing motivation. The objectives are to understand why and how leadership skills are so critical to organizational success, and learn the foundations of effective leadership skills.

Inspiring and Motivating Individuals (Coursera)	In this course, you will learn how to create a shared vision for your team and effectively communicate it to your teammates. You will also learn how to set effective goals and expectations in a way that best enables your team to attain the shared vision. Finally, you will understand the most important needs and drivers of performance across cultures, and will learn to align rewards with desired behaviors so that your teammates are motivated to attain the team's objectives.
High Performance Collaboration: Leadership, Teamwork, and Negotiation (Coursera)	High Performance Collaboration: Leadership, Teamwork, and Negotiation focuses on leadership, teamwork, and negotiation. Students will engage in self-assessments to analyze their leadership style, develop team charters to optimize their groups, and develop a game plan for effective negotiation.
Building Your Leadership Skills (Coursera)	When taking this course, you will raise your own self-awareness and gain self-confidence for a better leadership. You will discover a new approach to leadership based on trust and sense. The "Savoir-Relier" leadership, a new approach of leadership, taught to HEC MBA's student and top executives, enables better team leadership and encourages relationships between people in spite of their differences of opinion.

OTHER PROVIDERS

AMA(SA) Training is a business unit of Australian Medical Association	
BSB51915 Diploma of Leadership and Management	Course Description This qualification reflects the role of individuals who apply knowledge, practical skills and experience in leadership and management across a range of enterprise and industry contexts. Individuals at this level display initiative and judgement in planning, organising, implementing and monitoring their own workload and the workload of others. They use communication skills to support individuals and teams to meet organisational or industry requirements. They plan, design, apply and evaluate solutions to unpredictable problems, and identify, analyse and synthesise information from a variety of sources.
Medical Colleges	
Royal Australasian College of Surgeons	CLEAR: Critical Literature Evaluation and Research CLEAR is designed to provide tools to undertake critical appraisal of surgical literature and to assist surgeons in the conduct of clinical trials. These 'hands on' courses aim to make the language and methodology relevant to surgeons and the day-to-day activities in their practice.
PRAXIS Australia Ltd	PRAXIS has a range of training courses and education resources for ethics committees, researchers and others involved in the planning, review and conduct of research. PRAXIS offers short courses, nationally recognised accredited qualifications and access to tertiary level learning opportunities through our member organisations.
Research Essentials: Developing Excellence in Research Design and Practice	Research Essentials is a unique research training resource that has been designed to deliver a world class program to meet the specific needs of all those involved in research while also enabling learners to pick and choose from a diverse range of subjects so that they can design a training program that best meets their needs.
Online Ethics Training Course (formerly hosted by Monash University)	The purpose of this online course is to provide a readily accessible and flexible training resource that will assist members and administrative staff of a Human Research Ethics Committee (HREC) to better understand the principles and values of ethical conduct in research as detailed in the National Statement on Ethical Conduct in Human Research (2007).
PRAXIS Intensive Research Ethics Course	This intensive course is conducted as a five day retreat and is designed to assist researchers, ethics committee members and others involved in the conduct and assessment of research to understand and clarify the issues arising in relation to research of all kinds involving human participants.
Nationally Accredited HREC Training - Essential HREC Training Course	The course provides a rich and unique resource of writings, videos and case studies through which students will develop an expanded appreciation of the philosophical and ethical issues underlying research involving human participants.

The Centre for Values, Ethics and the Law in Medicine (VELiM) University of Sydney		
Professional development short courses	**Clinical Epidemiology and Biostatistics courses:** Introductory Analysis of Linked Data (PUBH5215) Semester 1 and 2 Clinical Epidemiology Fundamentals (CEPI0000) Semester 1 and 2 Evidence-Based Medicine for Basic Physician Trainees Semester 2	
	Bioethics courses: Introduction to Ethical Reasoning (BETH5101) Semester 1 Bioethics, Law and Society (BETH5104) Semester 1 Clinical Ethics (BETH5204) Semester 1 Human and Animal Research Ethics (BETH5202) Semester 2 Ethics and Public Health (BETH5203) Semester 2 Ethics and Mental Health (BETH5205) Semester 2 Arts in Health (BETH5207) Semester 2	
Non-award short courses	**Qualitative Health Research Methods courses:** Advanced Qualitative Health Research (PUBH5500) Qualitative Methodologies & Study Design (QUAL5002) Qualitative Research Analysis & Writing (QUAL5003) Introduction to Qualitative Health Research (QUAL5005)	
	Almost all individual units of study from the following areas can be taken as short courses via non-award enrolment - formal enrolment through Sydney Student; see Units of Study and then Full units of study list after each link below: - Public Health - International Public Health - Clinical Epidemiology - Health Policy - Qualitative Health Research - Bioethics	
Epigeum: Research Skills online Epigeum courses are created by leading academics to support the core activities of universities and higher education institutions.		
The Epigeum Research programmes support academics throughout all stages of their career and are designed to be flexible enough to fit around a researcher's busy schedule. Guidance is provided on diverse topics from research integrity to how to commercialise research all working towards a best practice research environment for your university.		

Entrepreneurship in the research context In these courses, students and researchers who are thinking of commercialising their research are challenged to consider their own life goals; decide which entrepreneurial route is best for them; understand timing issues and routes to market; evaluate the commercial viability of their idea; understand how best to mobilise people and finance and learn from others. Three courses with over eight hours of online study and 20 hours of supplementary study.
Research ethics The ethics of research are under increasing scrutiny in higher education. Most researchers are now required to report, or at least consider, the ethics of their research approach. Together, these two courses cover the key considerations, provide students with a clear framework in which to evaluate the ethics of their research and introduce the UK legislation relevant to studies involving human participants, subjects or objects. Two courses with five hours of online study and over 15 hours of supplementary study.
Research methods These courses aim to support doctoral and postdoctoral researchers undertaking independent research in all academic disciplines. The courses will provide guidance on the different research processes involved in the arts and humanities, social sciences and sciences, and will also develop an understanding of the literature review process. Four courses with over 11 hours of online study and over 35 hours of supplementary study.
Transferable skills These courses aim to develop a broad range of skills essential for both academic and non-academic careers. Areas covered include Intellectual Property, career planning for researchers in all academic disciplines, managing a research project, working with a research supervisor and attending and organising academic conferences. Eight courses with over 20 hours of online study and over 90 hours of supplementary study.
Research Integrity - Australian version Sorting right from wrong in today's increasingly complex global research world is not a simple task. This internationally developed programme is designed to provide postgraduate, post-doctoral and early career researchers with a better understanding of the obligations and responsibilities today's researchers have, along with practical advice on how to deal with the complex situations in which they may find themselves.
Professional Skills for Research Leaders - UK/Int Professional Skills for Research Leaders is designed to help independent researchers enhance their leadership, management and engagement strategies to increase their competitiveness and effectiveness.
Human Subjects Protection This course gives researchers the practical advice they need for working with human subjects, but also helps them understand why research with human subjects is special and is afforded particular attention. It includes how human subjects protection regulations evolved and why we need them, what role the IRB plays and how you should approach your application to the IRB, and other considerations to take into account before, during and after your research.

Statistical Methods - Biomedical Sciences - UK/Int Statistical Methods for Research is a foundation programme in Statistics, providing students with the practical, transferable skills needed to conduct statistical analysis at postgraduate level and beyond. This version of the programme, designed for researchers in the Biomedical Sciences, illustrates the theory with examples relevant to this discipline. Comprising interactive activities, scenarios, worked examples and expert interviews, the seven courses cover descriptive and inferential statistics, hypothesis testing, statistical modelling, and report writing. Importantly, students will be given the opportunity to analyse data through the guided use of mainstream statistics packages.
Supervising Doctoral Studies The Supervising Doctoral Studies programme consists of eight online learning units, designed to contribute to the development of both new and experienced research supervisors. Authored by experts who have spent many years researching the doctoral process, topics include: dealing with applicants and the selection of candidates; approaches to supervision; setting candidates on the right course; managing progress; preparing for examination; dealing with issues that can arise during supervision; and supervisors' continuing professional development. The programme will provide a valuable resource for all supervisors seeking to support candidates as they develop into independent researchers.
Advising Doctoral Students Advising Doctoral Students empowers universities to ensure that all faculty involved in advising doctoral candidates are well equipped to deal with emerging challenges in this continually-changing field. The program is designed to help both new and experienced doctoral advisors develop their ability to effectively mentor doctoral students and to support them in becoming independent researchers. The Advising Doctoral Students program has been adapted for US universities from the Supervising Doctoral Studies program, published for the International non-USA market in August 2014.
Enhancing Research Impact There is an increased emphasis in research funding and assessment processes on demonstrating how research contributes beyond academia to society and the economy. In order to meet these expectations, researchers need to be able to articulate the value of their research and actively pursue opportunities to make an impact. This programme will provide the tools and training researchers need to embed impact into their research throughout all stages of their career, whatever their level of experience. Four courses with over six hours of online study and over 24 hours of supplementary study.
Deeble Institute for Health Policy Research **Research Translation & Implementation Short Course**
"The Research Translation and Implementation Short Course is presented by the Deeble Institute for Health Policy Research, the Australian Centre for Health Services Innovation (AusHSI), and the University of Adelaide. It is designed to assist academic and clinician researchers to make their work more accessible and useful to policy makers, practitioners and the community. It will assist clinicians and health managers to select evidence for implementation, communicate with diverse stakeholders and evaluate outcomes. The course combines theory with a strong practical focus, providing participants with training on the fundamentals of writing for, and communicating with, health leaders, policy makers and their peers. Practical sessions will include translating a piece of the participant's own research into a policy backgrounder, or developing an implementation plan for an established piece of research.   Participants will learn about communication techniques using social and mainstream media and will undertake a media interview with an experienced journalist."

UoMelbourne Knowledge Translation for Researchers Training
PRACTICAL TRAINING FOR THE RESEARCH COMMUNITY
This training course explores how to more effectively integrate Knowledge Translation (KT) into research. We work with researchers to enhance the impact of research work and provide practical support to build KT skills and understanding within the research community. We introduce participants to KT evidence and issues and offer practical solutions to strengthen knowledge translation and exchange planning, broaden engagement with decision-makers, and communicate more effectively.
The Australian Centre for Health Services Innovation (AusHSI).
Knowledge Translation – Workshop: Getting evidence into practice: steps to success
Getting evidence into practice: steps to success is a three-day, highly interactive and outcome focused workshop that covers the essential skills and knowledge needed to facilitate the implementation of evidence and innovation into everyday practice. Led by an internationally renowned team of knowledge translation researchers, facilitators and practicing clinicians form Queensland and South Australia, you will learn how to set up an implementation project, how to facilitate the process and how to evaluate its impact. This is a participatory course, with interactive group discussions, roleplay and group activities.
Knowledge Translation Australia
Offer workshops and online courses to assist researchers with their knowledge translation efforts.