

PAED90012 Research Skills 1

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2012, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 5 hours per week Total Time Commitment: 10 hours per week, 5 hours lectures/tutorials within Department of Paediatrics, 5 hours self directed learning
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	90% attendance For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Overview, Objectives, Assessment and Generic Skills sections of this entry. It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and the Disability Liaison Unit: http://www.services.unimelb.edu.au/disability/
Contact:	Kate Bride, Kate.Bride@rch.org.au
Subject Overview:	Research skills 1 will be largely taught through seminars and tutorials within the Department of Paediatrics. Fundamental principles of research design and ethics applications will be taught. Research skills 1 will give students the skills and mentorship to commence designing their research project in year 2 (Research skills 2).
Objectives:	<p>a) Knowledge: Students will gain knowledge about the fundamental principles of research design, evidence based clinical practice and the ethics approval process. This knowledge will be used as a foundation for students to commence planning their research project for semesters 3 and 4.</p> <p>b) Generic skills:</p> <p>Upon completion of research skills 1 students should-</p> <ul style="list-style-type: none"> # Have an adequate knowledge of basic epidemiological principles such as research design, different study types, sample size, outcome measures and comparisons, data collection and management, bias and confounding and scientific writing # Be able to define a research question # Be able to commence planning of a study for a master's thesis # Be able to complete an ethics proposal for a study # Understand and practice the principles of evidence based clinical practice which include the following: <ol style="list-style-type: none"> 1 formulating a clinical question 2 effective searching of the literature 3 critical appraisal of different study types eg randomised controlled trials, systematic reviews 4 evaluate study results and apply these appropriately to the patient
Assessment:	Written exam questions 80% (3 hours duration). Ethics proposal 20% (Royal Children's Hospital template, approximately 1500 words) Pass/fail hurdle 90% attendance of teaching program

Prescribed Texts:	None
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	<p>Upon completion of research skills 1 students should:</p> <ul style="list-style-type: none"> # Have an adequate knowledge of basic epidemiological principles such as research design, different study types, sample size, outcome measures and comparisons, data collection and management, bias and confounding and scientific writing # Be able to define a research question # Be able to commence planning of a study for a master's thesis # Be able to complete an ethics proposal for a study # Understand and practice the principles of evidence based clinical practice which include the following: <ol style="list-style-type: none"> 1 formulating a clinical question 2 effective searching of the literature 3 critical appraisal of different study types eg randomised controlled trials, systematic reviews 4 evaluate study results and apply these appropriately to the patient
Related Course(s):	Master of Medicine (Paediatrics)