

CLINICAL TRIALS RESEARCH A POSTGRADUATE COURSE IN CLINICAL RESEARCH



NHMRC CLINICAL
TRIALS CENTRE,
SYDNEY MEDICAL
SCHOOL

Equipping clinicians and researchers with the skills to design and lead clinical trials.

100% online course



THE UNIVERSITY OF
SYDNEY

DESIGN AND LEAD CLINICAL TRIALS

New in 2011, the online Clinical Trials Research course has been developed in response to the need for formal clinical research qualifications offered at postgraduate level. The course will provide candidates with state-of-the-art interactive e-learning opportunities in the design, conduct and interpretation of clinical trials.

Offered by NHMRC Clinical Trials Centre (CTC), part of Sydney Medical School, the course has been developed and is taught by clinicians and researchers who have designed, conducted and published more than 200 clinical trials over the past 20 years, as well as teaching short courses over that time.

The CTC's clinicians and researchers are well equipped to provide the knowledge and skills that will enable participants to design and lead clinical trials.

THE BENEFITS

Candidates will complete the course with a solid understanding of research methodologies, clinical trials literature and the clinical trials process, including the design, scheduling of intervention delivery, doses of treatment, and statistical and ethical considerations.

Candidates will be able to:

- Develop trial concepts
- Choose optimal trial designs
- Lead protocol development
- Implement a trial protocol
- Develop operational strategies for trial conduct
- Collect and critically analyse trial data
- Present, report and interpret trial results
- Evaluate trial designs and methods
- Lead systematic reviews
- Learn funding options
- Assess patient outcomes
- Identify issues related to health economic outcomes in trials and their interpretation

A PROGRAM FOR CLINICIANS & HEALTH PROFESSIONALS

The Clinical Trials Research course is for clinicians including doctors, researchers, consultants, health care professionals, data managers and nurse practitioners, who are already working in, or are planning to pursue, opportunities in the field of clinical research.

FLEXIBLE STUDY

The Clinical Trials Research course is delivered 100% online, including lectures and tutorials, discussion forums and supplementary notes.

The course is offered part-time, with the option of a Graduate Certificate, Graduate Diploma or Masters, or studying individual units for interest or professional development.



PROFESSOR MICHAEL FRIEDLANDER
Medical Oncologist, Principal Investigator in the Gynaecological Oncology Group (USA) and Founding Chairman of the Australia and New Zealand Gynaecological Oncology Group (ANZGOG), President of the International Gynaecologic Cancer Society

"I have worked collaboratively with CTC for 10 years and initiated eleven trials during this time. This successful partnership has resulted in a number of valuable clinical outcomes which have benefited many women with gynaecological malignancies.

I am delighted to see CTC launching a formal postgraduate program in clinical trials research and I have every confidence that they will provide a first class program as they have significant expertise in the field of clinical trials research."



DR BILL KETELBEY
Senior Medical Director
Country Medical Director
Pfizer Australia and New Zealand

"My association with the CTC goes back to soon after its inception, more than 20 years ago, and I have always viewed it as a reference benchmark for clinical research in Australia. The CTC, as the pre-eminent academic research institute specialising in the conduct of clinical trials, has become a major driving force in setting the standard for the conduct of quality research in Australia. It's a natural and very welcome extension of this core capability of the CTC that they now introduce a postgraduate academic program in clinical trials. I have no doubt the benefit to Australian medical research, and research subjects, will be substantial"

CORE FACULTY

PROFESSOR ANTHONY KEECH
Professor of Medicine,
Cardiology and Epidemiology,
Sydney Medical School
Deputy Director
NHMRC Clinical Trials Centre

Clinicians and health professionals are expected to have a thorough understanding of clinical trials and their regulations when conducting research and collaborating in Australia or internationally.

PROFESSOR VAL GEBSKI
Professor of Biostatistics
and Research Methodology,
Medicine, Faculty of Medicine,
NHMRC Clinical Trials Centre

The Clinical Trials Research course will equip clinicians and researchers to design and lead trials, collaborate in larger multicentre trials and enable them to better contribute to the acquisition of knowledge on which improvements of health are based.

MS ADRIENNE KIRBY
Senior Biostatistician
Medicine, Faculty of Medicine
NHMRC Clinical Trials Centre

COURSE OVERVIEW

Master of Clinical Trials
Credit points 48
Units of study 8
Part time enrolment 2 years

Graduate Diploma of Clinical Trials
Credit points 36
Units of study 6
Part time enrolment 1.5 years

Graduate Certificate of Clinical Trials
Credit points 24
Units of study 4
Part time enrolment 1 year

Single study units
Candidates may enrol in individual units for interest or professional development.

UNITS OF STUDY

All Graduate Certificate, Diploma and Masters students complete the following four (4) core units:

- Trials Design and Methods
- Critical Appraisal of Evidence
- Clinical Trials in Practice
- Understanding Trials Methods

Graduate Diploma and Masters students complete two (2) additional core units:

- Leadership and problem solving
- Issues and Interpretation: Trial analysis

Masters students select one (1) elective from the following list, and one (1) Capstone unit:

- Advanced Trial Design
- Global Biomarker Studies
- Patient Outcomes and Health Economics

Capstone:
The capstone unit requires candidates to bring together concepts, principles and applications, into a research protocol or project.

CLINICAL TRIALS PRACTICE

Clinical Trials Research runs in parallel with Clinical Trials Practice, a postgraduate course offered by Sydney Nursing School, for health professionals and registered nurses who are already, or would like to, work in the area of clinical trials, and wish to develop their skills and knowledge. There is an opportunity for students to move from Practice to Research streams.

WHY THE UNIVERSITY OF SYDNEY?

The University of Sydney and Sydney Medical School, are known internationally for academic excellence, quality teaching and innovative research. In 2009, Sydney Medical School was ranked 15th in the world for Life Sciences and Biomedicine (Times Higher Education rankings).

NHMRC CLINICAL TRIALS CENTRE

The NHMRC Clinical Trials Centre was established in 1988, and is known around the world for its expertise in designing, conducting and translating collaborative clinical trials research into improved health care practice. The CTC runs small and large clinical trials including multicentre investigator-initiated cancer, cardiovascular and neonatal clinical trials. It also takes part in national and international collaborative trial groups and contributes expertise to trials run by others.

RECOGNITION OF PREVIOUS STUDY

Health professionals who have completed graduate studies are welcome to apply for prior recognition. Credit towards the course is determined on an individual basis.

FEES

For information on fees, refer to: masters.ctc.usyd.edu.au

HOW TO APPLY?

All students
Apply directly to Sydney Medical School, application forms are available Sydney Medical School's website: sydney.edu.au/medicine

FOR MORE INFORMATION CONTACT

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