

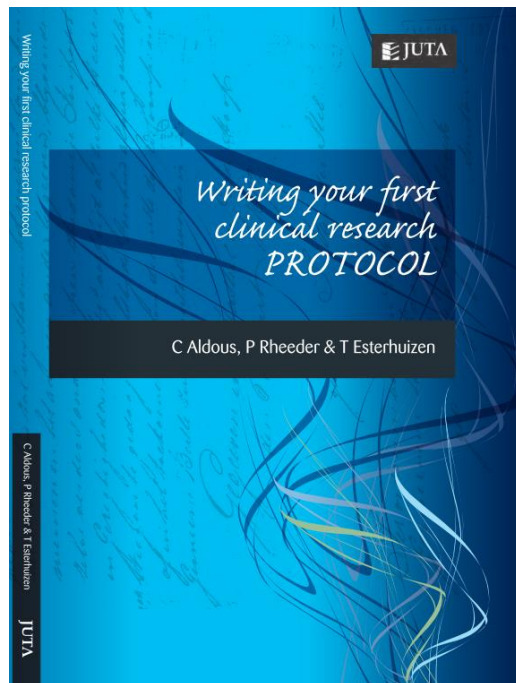
Applied Research Methods 800/Toegepaste Navorsings Metodiek 800 TNM 800 for 2016

<http://web.up.ac.za/default.asp?ipkCategoryID=9293&subid=9293&ipklookid=8>

Introduction

The Applied Research Methods course is a compulsory attendance course for all Honours and Masters students including MMed students, as well as PhD students that have not yet done a formal research methods/protocol writing course.

NOW AVAILABLE AT THE LOCAL BOOKMARK BOOKSHOP! (and other bookshops in Hatfield)
This workbook is specifically aimed at post graduate students in the health care sciences doing the TNM800 course and who are putting together their first research protocol. This workbook follows the UP Faculty of Health Sciences template and guides the student step by step from start to finish. It includes a chapter on statistical planning and data analysis. UKZN (C. Aldous and T. Esterhuizen) and UP (P. Rheeder) worked together to produce what we hope will be a useful tool for students to complete their protocols and thus also projects successfully.



If at any time you have already completed such a course or one similar in nature you may ask for exemption by completing the form

<http://www.ais.up.ac.za/health/blocks/tnm800/exemptionformtnm800.doc>
and sending it to Prof. P Rheeder at Room 92436, 9th Floor, Dept Internal
Medicine, Steve Biko Hospital or e-mailing it to prheeder@medic.up.ac.za.

1. Course objectives.

1. The aim of this attendance course is to equip students with the needed knowledge and skills to write a scientifically valid and feasible research protocol that will optimize the student`s chance of successful completion of the project and that will meet all the requirements of the specific academic and ethics committees of the Faculty of Health Sciences.

PLEASE NOTE:

The course provides you with the resources you need to produce an excellent research protocol.

The protocol is your responsibility and assumes critical input from your supervisor (see registration form).

Satisfactory attendance of this course does not imply endorsement of your protocol.

PLEASE NOTE:

There are broadly 3 groups of students:

- 1) Clinical and Public Health orientated students **(CL/PH)**
- 2) Laboratory based disciplines/medical anthropology **(L)**
- 3) Those doing Qualitative Research (e.g. focus groups, in depth interviews) **(Q)**

PLEASE make sure you identify which group you belong to on the REGISTRATION FORM and note that the focus of the various TNM 800

2. Course options, contact details and registration

a) Five Day TNM 800 (mornings only)(please register 3 months in advance)

1.	Internal Medicine Tel contact Hester Els Tel: 012 354 2112 Hester.Els@up.ac.za (CL/PH)	Prof Paul Rheeder	23-27 May	08:00-13:00
2.	SHSPH contact Reuben Tel: 012 354 2409 assignments@postillion.up.ac.za (CL/PH) (L)(Q)	Prof Tiaan De Jager Elize Webb	7-11 March 10-14 October	08:00-13:00 08:00-13:00
3.	Nuclear Medicine Contact Elmarie.Wessels@up.ac.za Tel: 012 354 2374 (CL)	Prof Sathekge Prof Vorster Prof Rheeder	1-5 August	08:00-13:00
4.	Microbiology Prof Marthie M Ehlers Marthie.Ehlers@up.ac.za Tel: 012 319 2170 (L/CL)	Prof Marthie Ehlers	29Feb-4 March	08:00-13:00
5.	Department Internal Medicine Tel: Caroline 012 373 1075/1015 danie.vanzyl@up.ac.za (CL/PH)	Prof DG Van Zyl	29 Feb to 4 March 1 Aug to 5 August	08:00-13:00
6.	Department of Anatomy Contact Tel 012319 2432 santie.swarts@up.ac.za (L)	Prof EN L'abbe	10 Feb to 25 May 16 to 20 of May	Wed 13h30 08:30-13:00
7.	School of Health Care Sciences Contact:	Dr C Maree	11-15 April	08:00-13:00

Carin.Maree@up.ac.za (Q/PH/CL)		and a follow-up contact session (same group): 14 October	
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b) There are certain departments that run courses for their students but which other students may join. If you are from any of these departments please contact the following:

8. Department Paediatrics Rita Steyn 012 354-5276 rita.steyn@up.ac.za (CL/PH)	Prof R Green	25-29 July	14h00 – 16h00
9. Department Psychiatry Tel 012 319 9741 Christa.kruger@up.ac.za (CL/PH/Q)	Prof C Kruger	As arranged by Dept	Thursdays 13:00-16:00
10. Dept. of Biokinetics and Section Sports Medicine Rina.Grant@up.ac.za (CL/PH)	Dr R Grant	11-15 April	08:00-13:00
11. Department Obstetrics and Gynaecology Tel 012 354-2366 (CL/PH)	Dr J Makin	As arranged by Dept	
12. Department of Pharmacology Tel 012 319 2547 (CL/PH)(L)	Prof Vanessa Steenkamp	Tuesdays and Thursdays 2 February - 10 March	13:00-15:00
13. SHSPH (CL/PH) FELTP (CL/PH)	Dr Bernice Harris Dr Lazarus Kuonza (Lazarus@nicd.ac.za)	contact Dr Kuonza	08:00-13:00

3. Course curriculum and content

To download all the Reading Material and Notes for the Course

<http://www.ais.up.ac.za/health/blocks/tnm800/tnm800.htm>

All the TNM 800 courses have the same objective: creating a scientifically sound great protocol!

Each course should therefore cover the following:

1. Motivation for research
2. Picking a research problem and setting priorities, applicability
3. The background to the problem: The literature review
4. Phrasing the question: title, aims and objectives, hypotheses
5. Methods

- a) Study designs including Qualitative research
- b) Bias and confounding
- c) Causality
- d) Measurement and definitions
- e) Questionnaires
- f) Sampling and sampling methods
- g) Pilot study

6. Data Analysis

- a) Sample size and power
- b) Types of data
- c) Distribution of data
- d) Comparing groups

- e) P values and confidence intervals
- f) Statistical vs clinical significance
- g) Statistical consultation

7. Budgeting and Funding

8. Ethics

- a) Basic Bioethics
- b) Guidelines (Helsinki etc)
- c) Vulnerable groups. Children etc
- d) Informed consent and Confidentiality
- c) Animal rights (if applicable)
- d) Fraud
- e) The Ethics and Protocol committee and how to process your protocol

9. Authorship

To download all the Documents for the Course go to
<http://www.ais.up.ac.za/health/blocks/tnm800/tnm800.htm>

4. Flow chart of the Protocol development process

3-6 months before the TNM 800 course



- Contact your supervisor and finalise the research question/aims and objectives so that you can start working on the protocol using the template (<http://www.ais.up.ac.za/health/blocks/tnm800/tnmprotocoltemplate2008.rtf>) or another template provided by your department or School.
- Register for the course you plan to attend at least 3 months in advance

- Download and start reading the course notes that can be found at <http://www.ais.up.ac.za/health/blocks/tnm800/tnm800.htm>

During the TNM 800 course

Ensure that your supervisor is available during this time period so that you can revise your protocol in the afternoons

- You benefit most from this course if you can refine your protocol with the help of your supervisor as the course proceeds.
- By the last day of the course your protocol should be just about ready for submission to the required committees!

After the course

- You should *revise* the sections of protocol that had been identified as incomplete/unsatisfactory during the course.
- *Submit* your revised final protocol to the required academic committee (MSc or AAC or MMed or PhD) within the next 2 months (if you wait longer than this you lose crucial momentum!)
- AFTER approval of the academic committee you must then *submit* to the ethics committee.
- Certain students (Honours, MPH) need not submit to an academic committee and can submit directly to the ethics committee once they have the approval of their supervisors.

REGISTRATION FORM (SEE NEXT PAGE)

5. Registration form

TNM 800 Registration		
Please submit to the course organiser/secretariat after completion. You will only be registered for TNM800 if this form is signed by your Supervisor. <i>For office use</i>		
Surname, Name and Initials		
Department		
Degree registered for?		
When did you register for this degree?		
Student number		
Telephone number(s):		
Fax number(s):		
E-mail address:		
TNM Course for which you want to enrol:	presenter	date

Give the title and a short description of your draft research protocol:	
Motivate the choice of your research topic:	

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Have you already participated in a research project? If so, please list the project title and/or publication(s):	
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Please note:
 You must have a **draft protocol** on the **first day** of the course!
 You have to be available for all sessions and you will have to have time to complete work as assigned by the course presenter.

I will hand in a draft protocol on the 1st day and be available throughout the indicated times for this course and will be able to complete assigned work.

Signature:
Student

This next section needs to be completed by your clinical/research SUPERVISOR:

Name of supervisor:		
Department:		
Telephone number:		
Fax number:		
E-mail address:		

1. The student applying for the TNM800 does so with **my approval**.
 2. If the student applies for a 3 or 5 day course, he/she will not have clinical/other duties during this week.
 3. I discussed the research topic with the student and the student does have a **draft protocol**.
 4. **I will be available** during the course to discuss protocol modifications with the student I supervise.
 5. Most courses require the student to present the “final” protocol during the last day/session of the course. Your attendance at this report back is essential. This session will be during the Friday of the week in which the course is given.
I will /will not be present for this presentation. (delete which is not applicable).
- Signature:
Supervisor

