



# Pharmacology Science

(589664) 15 Points

## Paper overview

This paper focuses on the pharmacology sciences (pharmacokinetics, pharmacodynamics and developmental pharmacology) that underpin the rationale use of pharmacotherapeutics in clinical practice. Drug research, clinical drug trials and adverse event monitoring are included in the risk: benefit discussions on drug therapy. Specific examples of medicines will be integrated throughout the paper to illustrate pharmacology science concepts.

## Programme study options

This paper is available from the Faculty of Health and Environmental Sciences in the following specialisation areas:

- Advanced Nursing Practice
- Older Adult: Health and Wellness
- Child Health
- Mental Health

## Who can study this paper?

This paper is for **Registered Health Professionals** who:

- Have registration from a 3 year programme or equivalent, congruent with the HPCA Act 2003
- Hold a current New Zealand Annual Practising Certificate or equivalent
- Have completed and passed the pre-requisite paper Science for Advanced Nursing Practice 589661

## What you can expect to learn

This paper covers the following topics:

- Pharmacokinetics and pharmacodynamics
- Developmental pharmacology
- Adverse drug reactions
- Clinical trials, drug development and drug research
- Risk: benefit analysis

## What you need to study this paper

- To study this paper it is essential you have a computer, internet (broadband preferred), email access and access to a clinical practice setting.

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**Pharmacology Science Paper Leader**  
Gael Mearns, RGON, BN, PGDipAppSc, MHSc

Gael's research interest focus on life-course approaches for reducing the risk of chronic conditions and on understanding factors that influence adherence with the management of prescribed health regimes. Her current research project uses participatory research methods to collaborate with the South Asian community on effective, acceptable and sustainable strategies for increasing vitamin B12 stores in women of child-bearing age.

## Teaching style, dates and location details

Location: AUT North Shore Campus and online

Teaching Period(s): Semester one, 2012

Online: Yes

Block Courses: Optional on campus study days

Dates: 8<sup>th</sup> & 9<sup>th</sup> March 2012

Teaching style: Lectures (study days) plus facilitated online discussions using problem based learning and application of concepts to the students own clinical practice.

## How much time will I need to commit to the paper?

This is dependent on your other commitments and the speed at which you learn and work, but on average a 15 point paper typically involves around 10-15 hours per week.

## How much does this paper cost?

15 point paper tuition fees for domestic students in 2012 is approximately NZ\$1000. Additional fees for study may include; a learner services levy, student association (AUSM) fee, charges and paper activity fees. Please contact us for further information (International students email [international.centre@aut.ac.nz](mailto:international.centre@aut.ac.nz)).

## How this paper will be assessed

- Four online discussion entries
- Written drug research review

## Enrolment process

### New students

Contact the Student Information Centre

Phone: 0800 AUT UNI (0800 288 864) or Email: [courseinfo@aut.ac.nz](mailto:courseinfo@aut.ac.nz)

### Returning students

Go online to AUTonline, <https://autonline.ac.nz>

- A. Check paper timetable by clicking on 'Timetable' option
- B. Then, complete '2012 re-enrolment form' by clicking on 'Forms' option
- C. Then, email us the completed form.

## Enrolment and paper information

Student enrolment enquiries:

0800 AUT UNI (0800 288 864)

[courseinfo@aut.ac.nz](mailto:courseinfo@aut.ac.nz)

[www.healthpostgraduate.aut.ac.nz](http://www.healthpostgraduate.aut.ac.nz)

Student enquiries about this paper:

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[debra.spinetto@aut.ac.nz](mailto:debra.spinetto@aut.ac.nz)

*The information in this document is provided as a general guide only for students and is subject to alteration: 2012 Ver 1.*