

Course Title: **Pharmacology Science**

Course Code: **PHMY801**

Descriptor Start Date: **01/04/2022**

Descriptor End Date: **21/01/2024**

POINTS: **15.00**

LEVEL: **8**

PREREQUISITE/S:

COREQUISITE/S:

RESTRICTION/S:

## LEARNING HOURS

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Hours may include lectures, tutorials, online forums, laboratories. Refer to your timetable and course information in Canvas for detailed information.

**Total learning hours: 150**

## PRESCRIPTOR

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Examines the key principles of pharmacology science that inform pharmacotherapeutics. Focuses on drug development and clinical drug trials, pharmacokinetics, pharmacodynamics, adverse drug reactions, sociocultural and developmental pharmacology.

## LEARNING OUTCOMES

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1. Apply pharmacokinetic and pharmacodynamic principles to the therapeutic indications for selected medications
2. Integrate developmental pharmacology within the context of holistic health and wellbeing.
3. Critically analyse the contributors to, and the presentation of, potential adverse medication events.
4. Critically apply research evidence to support the therapeutic use of a medication/medication regimen.
5. Present work at the appropriate academic standard.

**Disclaimer: Course descriptors may be amended between teaching periods/semesters**

## CONTENT

- Pharmacokinetics and pharmacodynamics
- Developmental pharmacology
- Adverse medication/drug events
- Clinical trials, drug development and drug research
- Pharmacotherapeutics and holistic models of health and wellbeing
- Addressing inequities in medication prescription and access
- Risk/benefit analysis

## LEARNING & TEACHING STRATEGIES

Students use a cooperative online learning environment to develop their understanding of drug development and pharmacology science and apply this to commonly prescribed drugs. Two optional on-campus study days are offered to introduce students to preliminary concepts and key interactive activities in the online course.

## ASSESSMENT PLAN

Assessment Event	Learning Outcomes
Written Assessment (2000 words)	LO1, LO3, LO4, LO5
Portfolio	LO1, LO2, LO3, LO4, LO5

<b>Grade Map</b>	<b>MAP1A</b>
	A+ A A- Pass with Distinction
	B+ B B- Pass with Merit
	C+ C C- Pass
	D Fail

### Overall requirement/s to pass the course:

Students must achieve all learning outcomes in order to pass this course.

## LEARNING RESOURCES

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**For further information, contact:** Te Ara Hauora A Putaiao - Faculty of Health & Environmental Science

<b>Principal Programme:</b>	<b>AK3485, Master of Health Science</b>
<b>Related Programme/s:</b>	<b>AK3484 Postgraduate Certificate in Health Science</b> <b>AK3485 Master of Health Science</b> <b>AK3487 Postgraduate Diploma in Health Science</b> <b>AK3557 Postgraduate Certificate in Advanced Nursing Practice</b> <b>AK3733 Master of Health Practice</b> <b>AK3830 Master of Nursing Science</b>

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