

# **\*Postgraduate Diploma in RN Prescribing**

\*Subject to NCNZ and CUAP approval





AUT CITY CAMPUS

AUT  
UNIVERSITY  
City Campus

# PG Dip RN Prescribing Pathway Papers (120 pts)

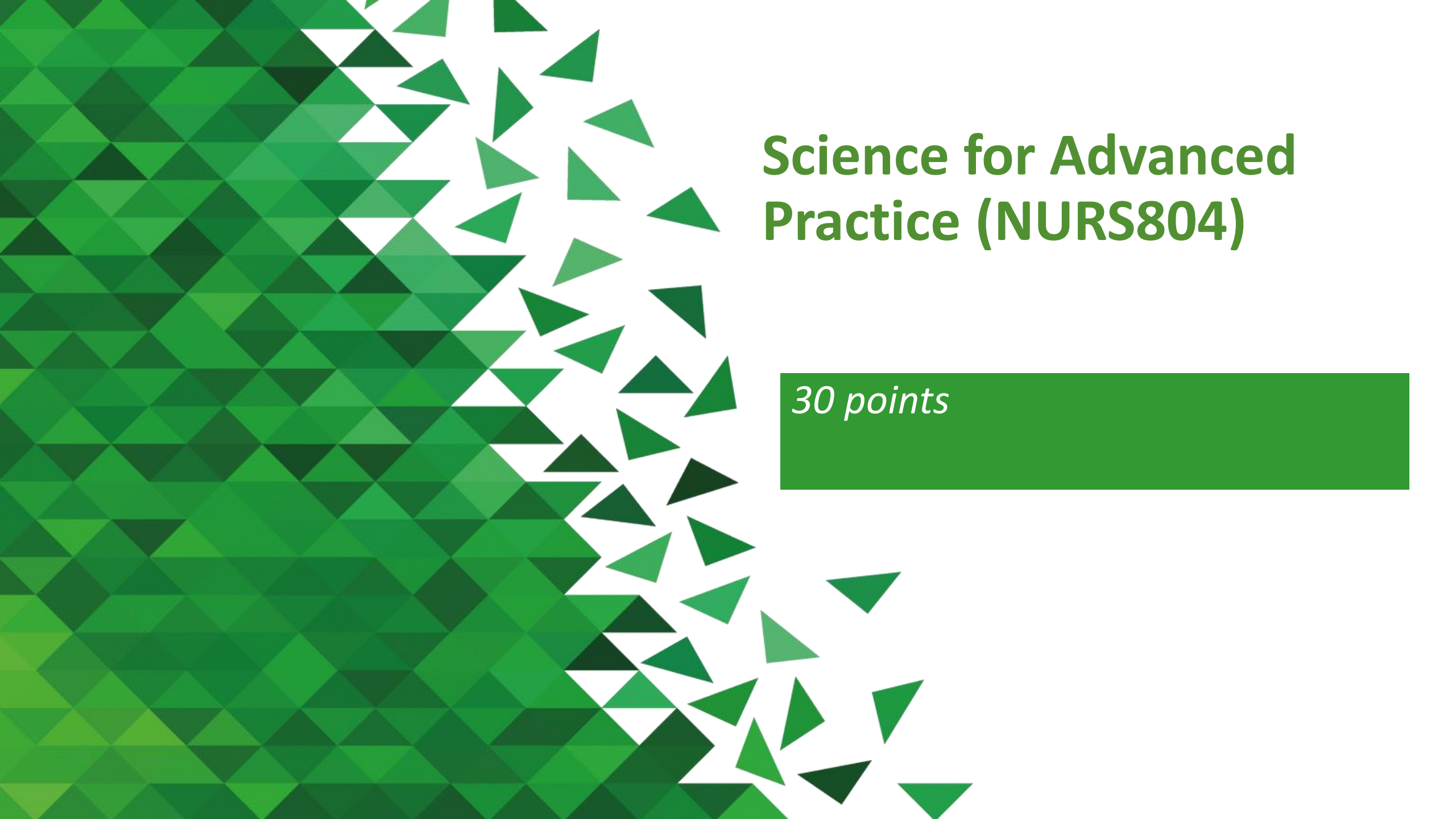
Science for Advanced Practice  
(30 pts)

Pharmacology Science and  
Therapeutics (30 pts)

Advanced Assessment and  
Diagnostic Reasoning (30 pts)

Specialty Practicum (30pts)



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# Science for Advanced Practice (NURS804)

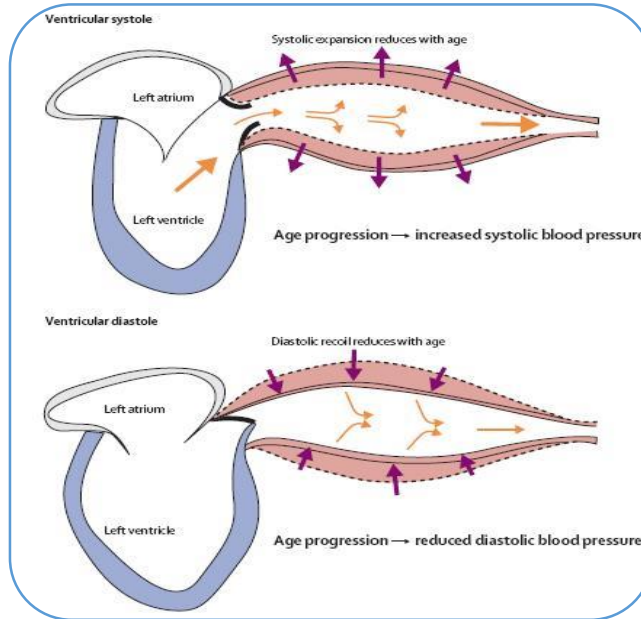
*30 points*

# Science for Advanced Practice

Energy storage and utilisation  
Communication & cell signalling  
Regulation of cell growth & function  
Infection, inflammation & immunity  
Maintaining tissue perfusion/oxygenation  
Maintaining tissue pH and

Anatomy, physiology, pathophysiology, microbiology and developmental biology

Biological concepts learnt and applied to analyse long term & common conditions



## Guidelines For Treatment

### Abbreviations:

A = ACE inhibitor  
(consider angiotensin-II receptor antagonist if ACE intolerant)  
C = calcium-channel blocker  
D = thiazide-type diuretic

Black patients are those of African or Caribbean descent, and not mixed-race, Asian or Chinese patients.

Younger than 55 years

55 years or older or black patients of any age

A

C or D

Step 1

A + C or A + D

Step 2

A + C + D

Step 3

Knowledge of pathophysiology used to critique treatments, clinical guidelines, protocols and scientific or clinical research findings and their application to advanced clinical practice.

# Online Course Resources

File Edit View History Bookmarks Tools Help

AUT AUT

Week 9: Cardiovascular cond

https://blackboard.aut.ac.nz/webapps/blackboard/content/listContentI Search

Most Visited Getting Started Microsoft Forefront U...


## Cholesterol, atherosclerosis, and perfusion

Attached Files:

- Cholesterol final.pdf (329.897 KB)
- Aspirin The wonder drug. pdf.pdf (533.273 KB)
- Stop that Clot final PDF.pdf (358.345 KB)

McCance & Huether gives a good explanation, including some very pretty pictures(!), of the theory underlying the development of atherosclerosis.

First we need to talk about cholesterol. Read the attached article (Cholesterol final pdf) and look at this video. They really need to be looked at together as the video moves quite quickly through the information.



### Physiology of Lipoprotein Metabolism

Duration: (7:57)  
User: gmejiaretana - Added: 18/08/09

Watch Video

McCance & Huether discuss dyslipidaemia on pp 1161- 1165 (6th ed.), and pp 1149-1153 (7th edition), in relation to coronary artery disease but it is important to remember that this can occur anywhere in the arterial system.

Now read McCance & Huether pp 1157-1160 (6th edition) and 1145-1149 (7th edition) and look at this video produced by Astra Zenica. It has some terrific animation of rupturing plaques!

## MEDICAL - How cholesterol clogs

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# Pharmacology Science and Therapeutics (PHMY803)

*30 points*



# Pharmacology Science and Therapeutics Paper (30 pts)

Pharmacokinetics  
Pharmacodynamics  
Developmental  
pharmacology

Drug development &  
research  
Legislation & regulation of  
drug therapy

Socio-cultural influences  
on pharmacology  
Drug resistance  
Licit versus illicit drug use.

Therapeutic classes drugs  
Pharmacodynamic profile  
Risk/benefit analysis  
Clinical reasoning for drug  
therapy



# Pharmacology Science and Therapeutics: Assessment of Learning



**Three collaborative online discussions – concepts applied to practice**

- Pharmacology science forum
- Drug legislation and regulation forum
- Clinical guidelines and research evidence forum



**Written Assignment - Case Study**

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# Advanced Assessment & Diagnostic Reasoning (NURS824)

*30 points*

# Advanced Assessment & Diagnostic Reasoning (30 pts)



Six study days.  
Theory plus  
assessment skills  
practice



Objective-Subjective  
Clinical Exam (OSCE)

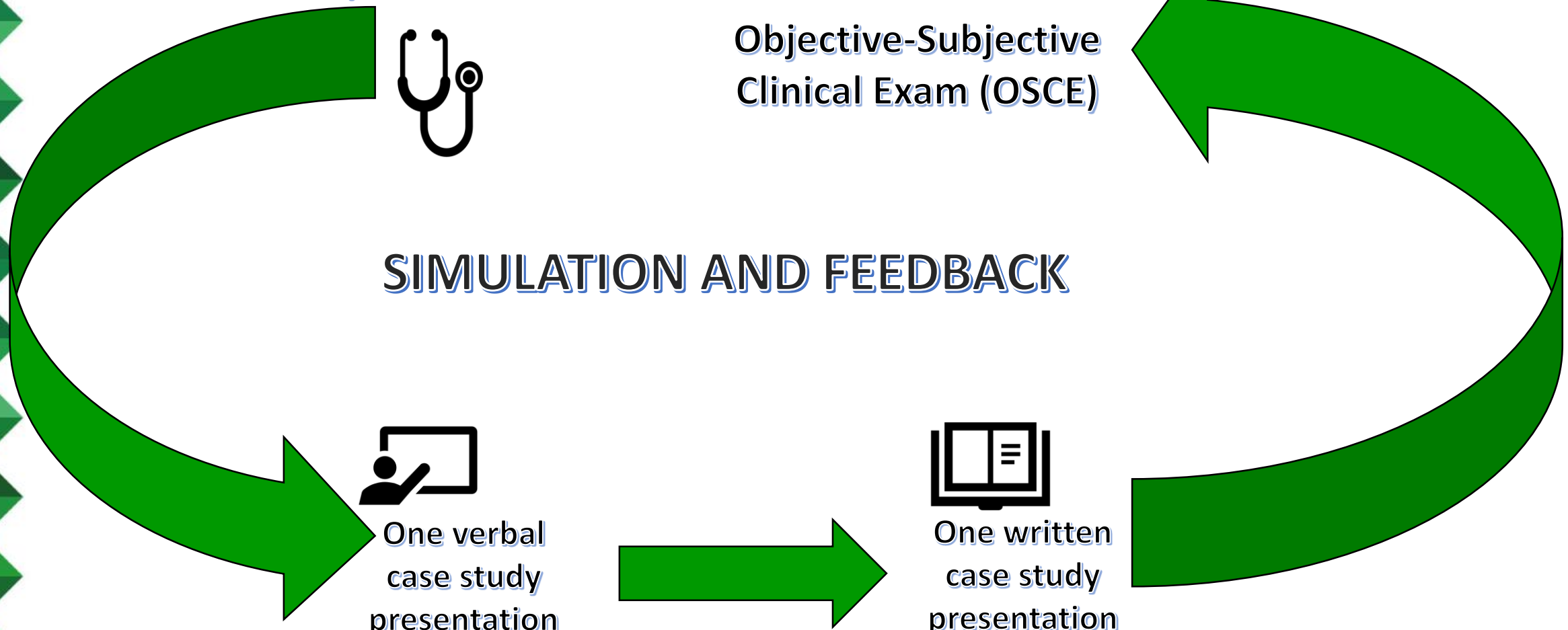
**SIMULATION AND FEEDBACK**



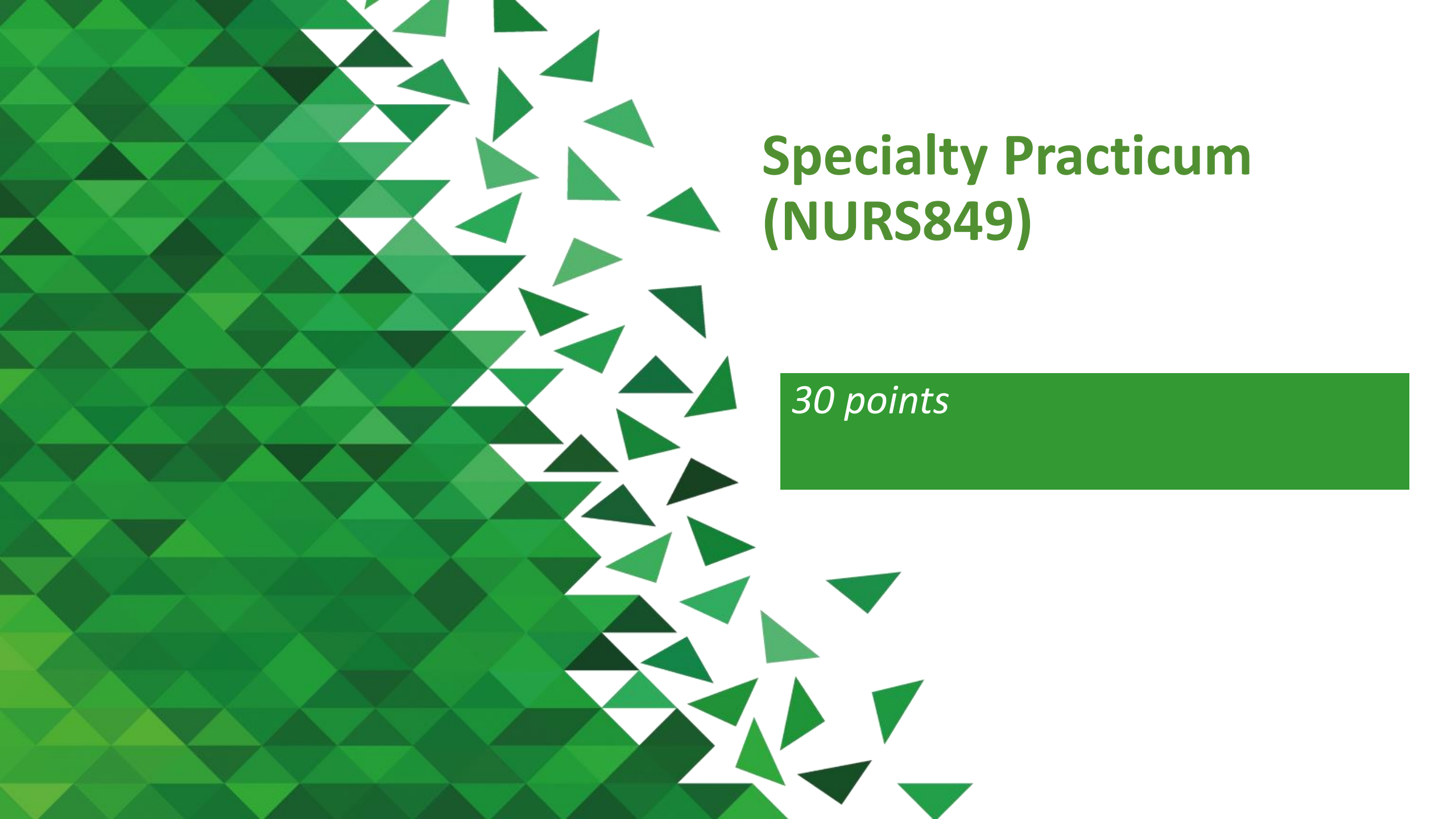
One verbal  
case study  
presentation



One written  
case study  
presentation





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# Specialty Practicum (NURS849)

*30 points*

# Entry Criteria Specialty Practicum (RN Prescribing)

- Current APC and 3+yr experience plus 1yr NZ or similar
- Completion of three pre-requisite papers
- Collaborative interprofessional practice
- Organisational policy, processes and support for prescribing in primary health and specialty teams
- Access to and support from relevant clinical prescribing mentor
- Medicines list for RN prescribing in primary health and specialty teams





# Supervision Specialty Practicum (RN Prescribing)

- Clinical practice setting with a clinical mentor as the supervisor
- Clinical mentor authorised prescriber > 3yrs experience in clinical area
- Work in partnership with academic mentor (NPs)
- 150 hours supervised prescribing decision-making
  - Formal supervision
  - Informal supervision
- Practicum completion – assessed by clinical and academic mentor
- PgDipRN Prescribing - education qualification – educational preparation for RN meeting NCNZ criteria to apply for RN prescriptive authority



# Specialty Practicum Assessments

## Throughout Practicum

### Self assessment

- readiness to prescribe against competency domains
- start, midpoint, completion of practicum

### RN prescribing practice feedback log

- ongoing log of prescribing practice
- development of knowledge, skill and competency for prescribing

## Practicum completion



Clinical client  
assessment against  
competencies for RN  
prescribing



Written case study  
assessed by NCNZ  
competencies and AUT  
Specialty Practicum  
learning outcome and  
marking criteria



**Any Questions?**



# AUT postgraduate study

- Blackboard- online learning platform
- Fully on-campus and blended courses- study days and online learning/or fully online
- Constructivist models for learning
- Live online discussions and on-campus study days
- Inter-professional papers
- Assessments- applied to clinical practice
- Postgraduate student support
- 24 hour postgraduate study rooms, 24 hour whānau study rooms



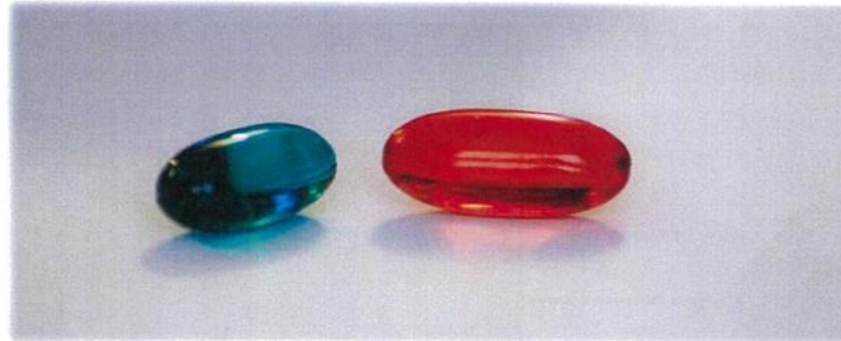
HEALTH &  
ENVIRONMENTAL SCIENCES  
POSTGRADUATE

AUT

TE WĀNANGA ARONUI  
O TĀMAKI MAKAU RAU

## Registered Nurse Prescribing

Subject to NCNZ approval



Please note entry criteria for *Specialty Practicum – RN Prescribing*:

- Current APC
- 3+ years experience in area intending to prescribe (1+ in NZ)
- Support of prescribing mentor
- History of collaborative interprofessional practice
- Organisation with policy & processes supportive of RN prescribing
- Clinical access to prescribing practice area
- Pre-requisite papers (or approved equivalents): Science for Advanced Practice; Advanced Assessment Diagnostic reasoning; Pharmacology Science & Therapeutics

See also: <http://www.nursingcouncil.org.nz/Nurses/Nurse-Prescribing/Registered-nurse-prescribing-in-primary-health-and-specialty-teams>