*Postgraduate Diploma in RN Prescribing

*Subject to NCNZ and CUAP approval
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 (30 pts)
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 electrolyte balance
- Anatomy, physiology, pathophysiology, microbiology and developmental biology

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

Guidelines For Treatment

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

Source for images: https://www.slideshare.net/meducationdotnet/pharmacological-management-of-essential-hypertension-revision-guide/
Online Course Resources

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: gmejaretana - Added: 18/08/09

McCance & Huether discuss dyslipidaemia on pp 1181-1185 (8th 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 Zonica. It has some terrific animation of rupturing plaques.

MEDICAL - How cholesterol clogs
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
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
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
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