COURSES IN RENAL PHYSIOLOGY

LEVEL 7, SEMESTER 2 2022

The Faculty of Health and Environmental Sciences at AUT offers educational pathways across many clinical areas of practice. From Semester 2 of 2022 individual courses relating to renal physiology are being offered to small groups of students.

Renal Science (HEAL715) 15 points

Course overview

Introduces the science, including biochemistry and physics, that informs renal health care.

What you can expect to learn?

- Anatomy and physiology of the kidney
- Assessment of the renal structure and function
- Diagnostic tests and investigations
- Fluid and electrolyte balance/imbalance
- Physics in dialysis
- Chemistry in dialysis
- Acid base balance
- Calcium, phosphate, vitamin D, aluminium, parathyroid glands and bones
- Pathophysiology of the major kidney diseases
- Acute Kidney Injury (AKI)
- Chronic Kidney Disease (CKD)
- Systemic consequences of kidney diseases and clinical manifestations

What is the assessment

MCQ examination and clinical case studies.

Format

Blended learning approaches will be used. In Semester 2 of 2022 this will involve online sessions (which may be accessed synchronously and asynchronously) and online drop-in sessions across 10 teaching weeks.

Fees

$979.26 for a domestic student (includes GST and student services levies). A number of scholarship opportunities are available for students, some of these are linked to required periods of practice in DHBs on completion.

Renal Health, Culture and Context (HEAL716) 15 points

Course overview

Explores factors that contribute to renal disease and their context including social, cultural and demographic influences. Considers holistic and interprofessional approaches to wellbeing and support.

What you can expect to learn?

- Overview of nutritional status in chronic kidney disease
- Nutritional care for patients receiving dialysis
- Multi and interprofessional teams' expertise and contribution to renal care
- Special populations of renal patients
- Psychosocial, spiritual, and cultural support for dialysis patients and whānau
- Models and theoretical basis for practice
- Integrated care in primary and secondary settings

What is the assessment

Clinical case studies.

Format

Blended learning approaches will be used. In Semester 2 of 2022 this will involve online sessions (which may be accessed synchronously and asynchronously) and online drop-in sessions across 10 teaching weeks.

Fees

$979.26 for a domestic student (includes GST and student services levies). A number of scholarship opportunities are available for students, some of these are linked to required periods of practice in DHBs on completion.

Please contact Debra Spinetto for advice on enrolment pathways:
Phone: **09 9219735** Email: **fhes.enquiries@aut.ac.nz**

Qualification

The courses are included in the Bachelor of Health Science (BHSc) and also the Graduate Diploma (Grad Dip) and Graduate Certificate (Grad Cert) in Health Science. Students who meet the requirements to enrol in these qualifications may credit any relevant courses they have achieved as outlined in the regulations.

Enrolment pathways for students wishing to study renal physiology courses

Graduate Certificate in Health Science 60 points

Renal Science	(15 points, level 7)
Renal Health, Culture and Context	(15 points, level 7)
Renal Pathology and Treatment	(15 points, level 7)
Pharmacology for Health Professionals*	(15 points, level 7)

DECISION POINT

Graduate Diploma in Health Science 120 points

Renal Physiology Clinical Practice (45 points, level 7)

Note: Approx 350 placement hours

Prerequisites: Renal Science, Renal Health, Culture and Context and Renal Pathology

AND

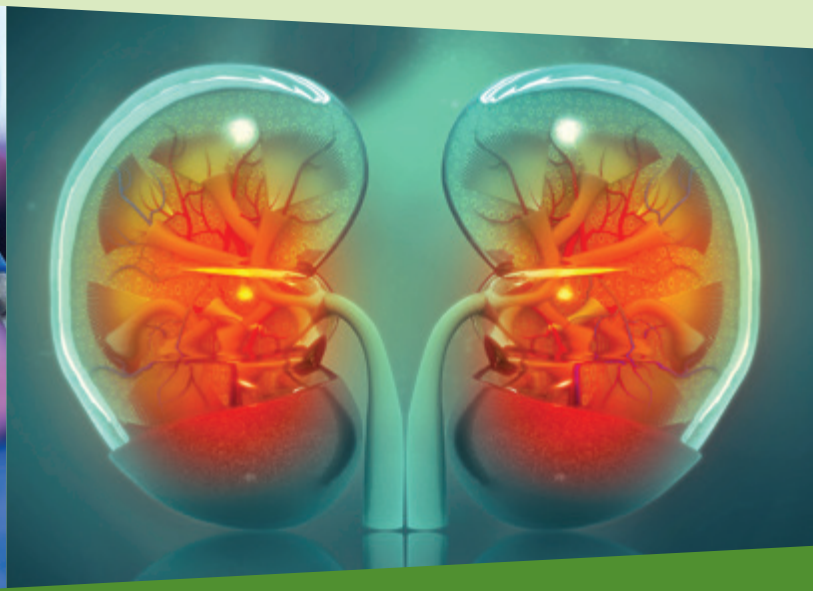
Methods of Research and Enquiry* (15 points, level 6)

EXIT WITH QUALIFICATION

* Generic courses in the AUT BHSc

Two of the renal physiology courses will be offered in Semester 2 of 2022 (subject to enrolments). These are Renal Science and Renal Health, Culture and Context. Each of these courses involves approximately 150 hours of learning including 30 hours in class (North Campus).

Please contact Debra Spinetto – phone **09 9219735** or email **fhes.enquiries@aut.ac.nz** for advice on enrolment pathways. The clinically-based courses will include experience in clinical renal dialysis settings. These courses are available to students currently enrolled in related AUT programmes such as the BHSc as well as those who are not currently studying but interested in working in renal dialysis settings.



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