

Courses in Renal Physiology (level 7), Semester 2, 2021

The Faculty of Health and Environmental Sciences at AUT offers educational pathways across many clinical areas of practice. From semester 2, 2021 individual courses relating to renal physiology will be offered to small groups of students.

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 within AKCOP enrolments as outlined in the regulations.

Enrolment pathways for students wishing to study renal physiology courses		
Graduate Diploma in Health Science 120 points		
Grad Cert HSc (60 points)	Renal physiology clinical practice	Methods of research and enquiry
Renal Science (15 points level 7)	45 points level 7	
Renal health, culture and context (15 points level 7)	(note: approx 350 placement hours)	
Renal pathology and treatment (15 points level 7)	(pre requisites: Renal Science, Renal health, culture and context and Renal pathology)	
Pharmacology for health professionals		

Two of the renal physiology courses will be offered in semester 2 of 2021 (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 Shore campus). Please contact Debra Spinetto DDI 09 9219735 fhes.enquiries@aut.ac.nz for advice on enrolment pathways.

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
- Clinical case studies

Dates: Class sessions - Monday 12-2:30pm 26th July – 1 November 2021 (12 weeks excluding Labour Day)

Fees: \$980 (domestic)

Enrolment and enquiries: Debra Spinetto DDI 09 9219735 fhes.enquiries@aut.ac.nz

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 whanau
- Models and theoretical basis for practice
- Integrated care in primary and secondary settings

Dates: Class sessions - Monday 2:30-5pm 26th July – 1 November 2021 (12 weeks excluding Labour Day)

What is the assessment:

- Clinical case studies

Fees: \$980 (domestic)

Enrolment and enquiries: Debra Spinetto DDI 09 9219735 fhes.enquiries@aut.ac.nz