DIPLOMA OF HEALTH SCIENCE

Program Information

The Diploma of Health Science introduces students to the physiological, psychological, social and cultural elements involved in health care, and provides the foundation for further studies in a health-related degree program at Adelaide University. Listed below are the modules comprising the Diploma of Health Science. You may have been granted exemption from some modules depending on your academic results. These will be listed in your offer letter.

The free Language Development Module (LDM100) enables international students to continue to develop their English language skills, while engaging with their studies. While compulsory for some students, LDM100 does not count towards the study load or GPA. Eligibility criteria and exemptions of this module are provided during enrolment. If this module is required, a non-graded pass in LDM100 is required for graduation.

Stage 1			Study Load	Units
LCOM01	Language & Communication (A)		25%	4.5
LCOM02	Language & Communication (B)		25%	4.5
CHM001	Chemistry^		25%	4.5
HPF001	Human Physiology Fundamentals^	(Pre-requisite for HLTH1011)	25%	4.5
HBI001	Human Biology	(Pre-requisite for HLTH1011 & HLTH1020)	25%	4.5
PSY01	Psychology (A)		25%	4.5
MTHF02	Fundamentals of Maths (B)		25%	4.5
ITS002	Information Technology Studies (B)		25%	4.5

^ Not available every trimester - check when enrolling

Stage 2			Study Load	Units
HLTH1011	Human Physiology 1	(Pre-requisite for HLTH1012)	25%	4.5
HLTH1063	Aboriginal Health: Culture, Community and Country^		25%	4.5
HLTH1038B	Introduction to Public Health^		25%	4.5
MATH1065	Quantitative Methods in Health		25%	4.5
HLTH1020	Human Anatomy		25%	4.5
HLTH1036	Global and National Health		25%	4.5
BEHL1005	Applied Psychology		25%	4.5
HLTH1012	Human Physiology 2		25%	4.5

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Diploma of Health Science Pathways

Please refer to the following website for information on Pathways:

https://www.eynesbury.edu.au/programs/international/diploma-programs/health-science/

All classes (unless otherwise specified) are held at City East Campus (CE)

Program Outline

Tertiary Preparation

Language Development Module 1
This module is designed to provide students with opportunities to review, develop and practice the English language systems and skills required to successfully participate in an undergraduate degree program. Successful completion of this module is required for graduation.

Stage 1

Information Technology Studies (B)
IThis module provides students with opportunities to develop an understanding of Artificial Intelligence, and its impact on humanity and the way we work. Students acquire knowledge and skills related to databases and the use of MS Access. Students also learn skills in terms of using Microsoft Excel and how to use formulae for computing and analysing data in Excel.

Language & Communication (A) & (B)
The purpose of this module is to help English as an Additional Language (EAL) students communicate effectively in the cultural and academic context of an Australian University. The module aims to improve students' written and spoken command of English to a level appropriate for entry into first year undergraduate studies.
Emphasis will be placed on reading and interpreting academic texts as well as learning to write formally and objectively with appropriate and consistent referencing. Students will develop their listening skills and learn to convey information, explain their point of view clearly, and substantiate their argument.

Fundamentals of Maths (B)
This module prepares students for undergraduate modules in Business. It provides students with a good foundation of knowledge and understanding of the relevant Mathematics topics for future modules. It also provides opportunities to enhance problem-solving skills.

Psychology (A)
The study of psychology helps students to understand their own behaviour, and that of others. While psychological knowledge is often applied to the assessment and treatment of mental health problems, it is also used to understand and solve problems in many different contexts. As current findings are based on empirical evidence, psychology is both a basic and an applied science. To ensure success in this subject, it is important that you are well prepared for class by ensuring that all class and homework tasks are completed, and if you experience difficulty at any stage during the module, please seek additional assistance immediately.

Human Physiology Fundamentals^
The aim of this module is to give you an introductory understanding of how human body systems work. We will be covering basic function of the Nervous, Muscular, Respiratory, Renal, Digestive, Blood and the Cardiovascular physiological systems. In addition, we will focus throughout on the scientific terminology related to human physiology. This will enable you to understand and communicate the concepts you will be learning. You will then be well prepared to continue into Human Physiology 1 and Human Physiology 2 where you will build on this knowledge.

Human Biology
This module will introduce you to the basic concepts of human biology as a foundation for further study in this area. You will develop an understanding of the main body systems and the associated biology, and an awareness and appreciation of the human body in a personal, social and medical context.

Chemistry^
In this module you are introduced to the basic principles of Chemistry. You will discuss the impact of chemistry and chemical technology on society, develop analytical techniques to understand chemical properties and reactions, and learn to communicate these ideas clearly to your peers.

Stage 2

Human Physiology 1
This module will provide you with an introduction to physiological principles and familiarize you with the following areas: cells, tissues and membranes, transport mechanisms, homeostasis, muscular system, skeletal system, nervous system, cardiovascular system, respiratory system and digestive system.
Pre-requisite: Human Biology, Human Physiology Fundamentals

Aboriginal Health: Culture, Community and Country^
This module provides you with introductory level understandings of the historical and contemporary perspectives of social determinants of Aboriginal health, to develop reflective and culturally responsive health professionals.

Introduction to Public Health^
This module aims to develop your understanding of some of the principles and applications of population health including measures of health and illness in populations, the concept of 'risk' including determinants of health, as well as the main types of epidemiological (research) study designs.

Applied Psychology
This module provides you with an understanding of some basic psychological concepts. Broadly defined, psychology is a science that investigates human behaviour and experience in relation to aspects of the individual and the situation. This module introduces learning theory, emotion, personality and interpersonal relationships. Psychological development of individuals is charted together with concepts of normality, mental health and illness and basic approaches to psychology in healthcare.

Global and National Health
The aim of this module is to develop your understanding of health and health care systems from a global, national and local prospective. The module covers models of health and well-being, the determinants of health, the health care system in Australia and other countries and primary health care systems.

Human Anatomy
This module provides you with a knowledge and understanding of the gross anatomy of the human body: upper limb; lower limb; thorax; abdomen; pelvis; spine; bones; joints; muscles; soft tissues; surface anatomy. Discipline specific applications such as movement patterns, strength testing; anatomical imaging and sectional anatomy will also be introduced.

Pre-requisite: Human Biology

Quantitative Methods in Health
This course is an introduction to a series of statistical tools and modelling techniques with particular relevance to programs of study and professional careers in Health Sciences. The module provides an overview research methodology, nature of scientific theory and knowledge, formulating hypotheses, measurement processes, reliability and validity, levels of measurement, specificity and sensitivity of diagnostic processes, types of experimental design, internal and external validity, study power.
Use a software package for entering and analysing data, describing data with graphical and numerical summaries, statistical inference including statistical modelling, the normal distribution, sampling distributions, choice of statistical techniques including non-parametric techniques, hypothesis testing, p values, confidence intervals.

Human Physiology 2
The aim of this module is to familiarise you with the following major body systems: renal, endocrine, integumentary, lymphatic, immune, nervous and reproductive. You will be introduced to the mechanisms by which these systems are involved in whole body function, to enable you to relate the structure of body components to their function.
Pre-requisite: Human Physiology 1

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CRICOS Provider codes: EC 00561M; Adelaide University 04249J; Diploma of Health Science 118452C

Version: 4.1