



Course Outline (Higher Education)

: School of Health
Course Title: NEUROLOGICAL ANATOMY AND PHYSIOLOGY
Course ID: NHPPS2113
Credit Points: 15.00
Prerequisite(s): (NHPBM1032 or NHPPS1122) (NHPPS1002)
Co-requisite(s): (NHPPS2013)
Exclusion(s): Nil
ASCED: 061701

Description of the Course:

Students will continue expanding knowledge of anatomy, with a focus on the neurological system. This includes a detailed study of gross anatomical structure and functional anatomy of the spinal cord, neck and cranial regions and viscera, physiological processes around special senses (including pain perception). The emphasis will be on gaining an integrated understanding of the human body through practical sessions including digital human cadaveric material and functional and clinical case-studies to facilitate the integration of material and correlation.

This course contains 4 hours fieldwork

Grade Scheme: Graded (HD, D, C, P, MF, F, XF)

Program Level:

Level of course in Program	AQF Level of Program					
	5	6	7	8	9	10
Introductory	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Intermediate	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Advanced	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Learning Outcomes:

Knowledge:

- K1.** Identify and describe the structure (anatomy) and function (physiology) of the neurological and visceral systems

- K2.** Identify and describe the structure of the spinal cord, internal and external brain, neck and face
- K3.** Discuss the function of the special senses
- K4.** Describe basics of pain science

Skills:

- S1.** Relate the concept of neurological function to physiological processes of various body systems
- S2.** Collate and evaluate clinical data relevant to the functioning of various body systems
- S3.** Apply an understanding of sympathetic and parasympathetic pathways to human function
- S4.** Apply underlying physiological principles to the care of a client in a practical scenario

Application of knowledge and skills:

- A1.** Critically apply anatomical and physiological knowledge to a human bioscience discipline

Course Content:

- Anatomy and physiology of the spinal cord, neck and cranial regions and viscera
- Basic pain science
- Examination of the special senses

Values:

- V1.** Appreciate best practice in physiotherapy is based on contemporary peer-reviewed evidence for acute care/cardiorespiratory physiotherapy
- V2.** Appreciate professionalism and professional judgement in physiotherapy practice

Graduate Attributes

The Federation University graduate attributes (GA) are entrenched in the [Higher Education Graduate Attributes Policy](#) (LT1228). FedUni graduates develop these graduate attributes through their engagement in explicit learning and teaching and assessment tasks that are embedded in all FedUni programs. Graduate attribute attainment typically follows an incremental development process mapped through program progression. **One or more graduate attributes must be evident in the specified learning outcomes and assessment for each FedUni course, and all attributes must be directly assessed in each program**

Students will be equipped with advanced level knowledge of the determinants of health, health determinants and the skills, motivation and confidence to engage in continuous learning to meet the personal, professional and vocational challenges of an ever changing world;

Graduate attribute and descriptor		Development and acquisition of GAs in the course	
		Learning outcomes (KSA)	Assessment task (AT#)
GA 1 Thinkers	Our graduates are curious, reflective and critical. Able to analyse the world in a way that generates valued insights, they are change makers seeking and creating new solutions.	K1,K2,K3, K4, S1, S2, S3, S4, A1	AT1, AT2, AT3, AT4, AT5

GA 2 Innovators	Our graduates have ideas and are able to realise their dreams. They think and act creatively to achieve and inspire positive change.	K1, S3, A1	AT2, AT3
GA 3 Citizens	Our graduates engage in socially and culturally appropriate ways to advance individual, community and global well-being. They are socially and environmentally aware, acting ethically, equitably and compassionately.	K1, K4, S1, S2, S3, A1	AT1, AT2, AT3, AT4
GA 4 Communicators	Our graduates create, exchange, impart and convey information, ideas, and concepts effectively. They are respectful, inclusive and empathetic towards their audience, and express thoughts, feelings and information in ways that help others to understand.	K2, K4, S1, S2, S3, S4, A1	AT1, AT2, AT3, AT4, AT5
GA 5 Leaders	Our graduates display and promote positive behaviours, and aspire to make a difference. They act with integrity, are receptive to alternatives and foster sustainable and resilient practices.	K1, K2, K4, S1, S2, S3, A1	AT1, AT2, AT3, AT4, AT5

Learning Task and Assessment:

Learning Outcomes Assessed	Learning Tasks	Assessment Type	Weighting
K1, K2, K3, K4, S1, S2, S3	Online quiz based on lesson content delivered with a focus on anatomy and physiology.	Online quiz	1-5%
K1, K2, K3, K4, S1, S2, S3	Online quiz based on lesson content delivered with a focus on anatomy and physiology.	Online Quizzes	5-10%
K1, K2, K3, K4, S1, S3, S4	Image exam based on lesson content delivered with a focus on anatomy	Digital quiz	10-30%
K1, K2, K3, S1, S2, S3	Flag race styled assessment based on lesson content delivered with a focus on laboratory tasks and fundamental knowledge	Practical Examination	20-40%
K1, K2, K3, K4, S1, S2, S3, S4, A1	Written examination covering all learning outcomes.	Written Final Examination	30-50%

Adopted Reference Style:

APA

Refer to the [library website](#) for more information

Fed Cite - [referencing tool](#)