Human Structure and Function

Year and Campus:	2016
Coordinator:	Dr. Jason Ivanusic, Department of Anatomy and Neuroscience
Contact:	**Coordinator** Email: **j.ivanusic@unimelb.edu.au (mailto:j.ivanusic@unimelb.edu.au)** **Currently enrolled students**: # General information: **https://ask.unimelb.edu.au (https://ask.unimelb.edu.au/)** # **Contact Stop 1 (http://students.unimelb.edu.au/stop1)** **Future students**: # Further information: **https://futurestudents.unimelb.edu.au (https://futurestudents.unimelb.edu.au/)**
Overview:	The Human Structure and Function Major will explain how the human body works, based on a deep understanding of the relationship between physiology and anatomy. The subjects are structured so that the anatomy (structure) and physiology (function) of the human body are taught in carefully integrated units that also introduce elements from pathology, pharmacology and zoology as relevant. It will suit students entering: medical and health related sciences, postgraduate research work in applied anatomy and physiology; teaching and research in University departments and in hospitals; with pharmaceutical companies; in media liaison, consultancies and scientific journalism.
Learning Outcomes:	*Human Structure and Function Major Graduates should demonstrate:* # a deep understanding of the relationship between human structure (anatomy) and function (physiology), with particular emphasis on being able to apply this understanding to solve problems in broad healthcare and research settings; # understanding that there is significant variation in human structure and an appreciation of how different presentations of human anatomy can influence function; # problem-solving skills developed through designing and implementing investigations of human structure and function, including but not limited to a program of cadaveric dissection; # highly developed technical skills in human cadaveric dissection and/or explorations of human function; # ability to work effectively in groups to meet a shared goal with people whose disciplinary and cultural backgrounds differ from their own; # ability to articulate the relationship between different science cultures and methods, and the diverse contributions made by different cultures to their development; # an awareness of scientific methods and research skills used to investigate human structure and function.
Structure & Available Subjects:	Completion of 50 points of study at Level 3.
Subject Options:	Both of

Subject	Study Period Commencement:	Credit Points:
ANAT30007 Human Locomotor Systems	Semester 1	12.50
ANAT30008 Viscera and Visceral Systems	Semester 2	12.50

Plus two electives selected from

Subject	Study Period Commencement:	Credit Points:
NEUR30005 Developmental Neurobiology	Semester 2	12.50

	CEDB30003 Developmental Biology	Semester 2	12.50
	OPTO30007 Visual Neuroscience	Semester 2	12.50
	PATH30001 Mechanisms of Human Disease	Semester 1	12.50
	PHYS30005 Muscle and Exercise Physiology	Semester 1	12.50
	PHYS30001 Cardiovascular Health: Genes & Hormones	Semester 2	12.50
	NEUR30003 Principles of Neuroscience	Semester 1	12.50
	NEUR30002 Neurophysiology: Neurons and Circuits	Semester 1	12.50
	PHYS30008 Frontiers in Physiology	Semester 2	12.50
	PATH30002 Techniques for Investigation of Disease	Semester 1	12.50
	BIOM30003 Biomedical Science Research Project	Summer Term, Semester 1, Semester 2	12.50
Notes:	A quota has been applied to both core subjects in this major.		
Related Course(s):	Bachelor of Biomedicine Bachelor of Science		