Supplementary Table S1: University physiology majors (or equivalent) and associated units, from which learning outcomes (LOs) were downloaded (from publicly available source).

University	Name of major	# of units	Unit topics	# of LO major	# LO per unit (range)	Course
Australian National University	Human biology (specialization – neuroscience & physiology)	7 total Year 1 (0) Year 2 (2) Year 3 (5)	Cell physiology in health & disease; cellular neuroscience; systems neuroscience; medical physiology & pharmacology; human anatomy; advanced microscopy in biosciences; biology research project	36	4-6	Bachelor of Science
Edith Cowan University	Human Biology	15 total Year 1 (6) Year 2 (4) Year 3 (5)	Anatomy & physiology; introduction to pathophysiology; fundamental biomedical techniques; human genetics; introduction to pharmacology; applied physiology; advanced biomedical techniques; human molecular genetics; medical biochemistry; medical genetics; biology of human disease; human immunology; developmental biology; human reproduction development & ageing	66	3-8	Bachelor of Science (Biomedical Science)
Flinders University	Physiology & Neuroscience	13 total Year 1 (1) Year 2 (6) Year 3 (6)	How your body works: human physiology & structure; human physiology; integrative human physiology; fundamental neuroscience; biochemistry; molecular biology; skills for medical scientists; sensory motor systems; advanced neuroscience; body systems; pathophysiology for medical science; human musculoskeletal anatomy;	65	3-10	Bachelor of Medical Sciences
James Cook University	Physiology & Pharmacology	8 total Year 1 (3) Year 2 (3) Year 3 (2)	Introductory biochemistry & microbiology; anatomy – principles & systems; anatomy – structure & movement; principles of biochemistry; medical physiology; advanced & integrated physiology; genes, genomes & development	37	4-6	Bachelor of Biomedical Sciences
La Trobe University	Human Physiology & Anatomy	8 total Year 1 (0) Year 2 (5) Year 3 (3)	Human physiology theory; human physiology practicum; human anatomy; human physiology & research; advanced human physiology; independent research in human physiology	32	3-5	Bachelor of Health Sciences
Monash University	Physiology	10 total Year 1 (0) Year 2 (3) Year 3 (7)	Neuroscience; endocrine; body systems; exercise physiology & metabolism; nutrition & metabolism; clinical & experimental cardiovascular physiology; endocrine & reproduction; research project	57	4-7	Bachelor of Science (& BSc Advanced)
Queensland University of Technology	Physiology specialization	7 total Year 1 (1) Year 2 (2) Year 3 (4)	Principles of human physiology; medical physiology; extreme physiology; clinical physiology & pathophysiology; neuroscience; physiological basis of pharmacology	26	3-4	Bachelor of Biomedical Sciences
Royal Melbourne Institute of Technology (RMIT)	Physiology	7 total Year 1 (0) Year 2 (2) Year 3 (5)	Human physiology – body systems; cellular communication; cellular communication; biomedical sciences practical; cardiorespiratory biology; head & visceral anatomy; neuroscience			Bachelor of Biomedical Sciences
Swinburne University	Biomedical Sciences	9 total Year 1 (3) Year 2 (3) Year 3 (3)	Chemistry; anatomy & physiology; musculoskeletal anatomy; introduction to biochemistry; infections & immunology in health sciences; physiology in medical & health sciences; genes	42	4-7	Bachelor of Health Sciences

			& genomics; body function & structure for health science; pathophysiology			
University of Canberra	Human biology: from cells to organisms	8 total Year 1 (4) Year 2 (1) Year 3 (3)	Concepts in biology; systemic anatomy & physiology; human physiology & the lifecycle; advanced physiology; pathobiology; regional anatomy & physiology; comparative physiology	35	3-8	Bachelor of Science
University of Melbourne	Physiology	8 total Year 1 (2) Year 2 (2) Year 3 (4)	Biology of cells & organisms; genetics & evolution; human physiology; research-based physiology; muscle & exercise physiology; frontiers in physiology; experimental physiology; cardiovascular health: genes & hormones	45	2-11	Bachelor of Science
	Physiology	9 total Year 1 (2) Year 2 (2) Year 3 (5)	Biomolecules & cells; genes & environment; molecular & cellular biomedicine; human physiology; biomedicine: molecule to malady; frontiers in physiology; frontiers in biomedicine; cardiovascular health: genes & hormones; experimental physiology; neurophysiology: neurons & circuits	56	2-11	Bachelor of Biomedicine
University of New England	Physiology	10 total Year 1 (2) Year 2 (3) Year 3 (5)	Introductory human physiology; introductory molecular biology and chemistry; integrated physiology; pathophysiology; neurobiology; endocrinology and reproductive physiology; cardiovascular and respiratory physiology; human nutrition and metabolism; immunology and haematology	47	3-6	Bachelor of Science
University of New South Wales	Physiology	11 total Year 1 (0) Year 2 (6) Year 3 (5)	*Physiology; *principles of molecular biology; neuroscience fundamentals; introductory pharmacology and toxicology; *fundamentals of biochemistry; muscle and motor control; molecular and cellular neuroscience; neurophysiology; endocrine, reproductive and developmental physiology; *cardiovascular physiology and pathophysiology	33	0-5	Bachelor of Science
University of Queensland	Biomedical sciences major – Body Systems	8 total Year 1 (0) Year 2 (5) Year 3 (3)	Cell structure & function; integrative cell & tissue biology; human anatomy; systems physiology; principles of pharmacology; human biomedical anatomy; molecular & cellular physiology; integrated endocrinology;	48	4-10	Bachelor of Science
University of Southern Queensland	Physiology	8 total Year 1 (2) Year 2 (3) Year 3 (3)	Human anatomy & physiology; systems physiology & pharmacology; concepts in endocrinology; biochemistry of nutrition; applications in human tissue engineering; human pathophysiology; extreme physiology & pharmacology; comparative physiology	37	3-8	Bachelor of Science
University of Western Australia	Physiology	10 total Year 1 (4) Choose 2 Year 2 (2) Year 3 (4)	Two of the following at Year 1: Human biology: being human; human biology: becoming human; molecular biology of the cell; frontiers in biology Physiology of human body systems; physiology of cells; physiology of membranes, muscles and signalling; physiology of cardiovascular & respiratory systems; physiology of nutrition & metabolism; physiology of integrated organ function	48	2-15	Bachelor of Science
Victoria University	Physiology	10 total Year 1 (2) Year 2 (4) Year 3 (4)	Human physiology; cardiorespiratory & renal; nerve & muscle; digestion, nutrition & metabolism; human anatomy; neuroscience; integrative physiology; applied biomedical science	45	3-7	Bachelor of Biomedical Sciences

* = no learning outcomes for the topic/unit; LO = learning outcome; Accessed from online information in November 2019 by the lead investigator (KT).