COURSE OUTLINE

HLT100 Anatomy and Physiology

School: School of Health - Nursing

2024 | Semester 2

UniSC Sunshine Coast
UniSC Moreton Bay
UniSC Caboolture
UniSC Fraser Coast
UniSC Gympie

BLENDED LEARNING

Most of your course is on campus but you may be able to do some components of this course online.

Please go to usc.edu.au for up to date information on the teaching sessions and campuses where this course is usually offered.

1. What is this course about?

1.1. Description

Anatomy and Physiology introduces you to the normal functioning of the human body. Emphasis is placed on the normal structure and function in order for you to develop an understanding of the integrative nature of physiological systems. You will learn the importance of the underlying mechanisms that regulate and control the activity of human physiological systems and understand these as they change across the lifespan. This course provides you with foundational concepts that will prepare you for study in human pathophysiology that is embedded in future courses.

1.2. How will this course be delivered?

ACTIVITY	HOURS	BEGINNING WEEK	FREQUENCY
BLENDED LEARNING			
Learning materials – Asynchronous learning and teaching recording.	1hr	Week 1	13 times
Tutorial/Workshop 1 – On campus tutorial	2hrs	Week 1	13 times

1.3. Course Topics

Introduction to Anatomy & Physiology: Terminology & Homeostasis.

Integumentary System.

Digestive System and Nutrition.

Integumentary System.

Skeletal System.

Muscular System.

Respiratory System.

Cardiovascular System: Heart & Vessels.

Cardiovascular System: Fluids.

Lymphatic System & Immunity.

Nervous System: Structure & Communication.

Nervous System: Central & Autonomic Nervous Systems.

Renal System.

Reproductive System.

Integration & Review.

2. What level is this course?

100 Level (Introductory)

Engaging with discipline knowledge and skills at foundational level, broad application of knowledge and skills in familiar contexts and with support. Limited or no prerequisites. Normally, associated with the first full-time study year of an undergraduate program.

3. What is the unit value of this course?

12 units

4. How does this course contribute to my learning?

COURSE LEARNING OUTCOMES	GRADUATE QUALITIES MAPPING	PROFESSIONAL STANDARD MAPPING *
On successful completion of this course, you should be able to...	Completing these tasks successfully will contribute to you becoming...	Paramedicine Board of Australia
1 Explain and describe the key processes and functions that control and regulate the normal activity of the human body	Knowledgeable	4.7.b, 4.7.d, 5.3.a, 5.3.d, 5.3.f
2 Identify and explain the specific anatomical structures of the human body and relate these structures to their specific functions	Knowledgeable	4.7.b, 4.7.d, 5.3.a, 5.3.d, 5.3.f
3 Explain how systems interact to maintain homeostasis	Knowledgeable	5.3.a, 5.3.d, 5.3.f
4 Apply principles and practices of academic writing and referencing	Ethical	3.3.c, 4.4.c, 5.3.b

COURSE LEARNING OUTCOMES	GRADUATE QUALITIES MAPPING	PROFESSIONAL STANDARD MAPPING *
On successful completion of this course, you should be able to...	Completing these tasks successfully will contribute to you becoming...	Paramedicine Board of Australia
5 Demonstrate ethical use of intellectual property	Ethical	3.3.c, 5.3.b

* Competencies by Professional Body

CODE	COMPETENCY
PARAMEDICINE BOARD OF AUSTRALIA	
3.3.c	Using appropriate resources to support professional decision-making.
4.7.b	Share knowledge with colleagues.
4.7.d	Share knowledge and experience relating to individual/group/unit problems with colleagues.
4.4.c	Use only accepted terminology in completing patient records.
5.3.a	Understand the structure, function and pathophysiology of the human body, relevant to their practice, together with knowledge of health, human growth and development, disease, disorder and dysfunction.
5.3.d	Demonstrate an applied knowledge of human anatomy and physiology sufficient to understand the nature and effects of injury or illness and to conduct assessment and observation in order to establish patient management strategies.
5.3.f	Understand the clinical sciences underpinning paramedic practice, including physiological, pharmacological, behavioural and functional.
5.3.b	Understand the principles and applications of scientific enquiry, including the evaluation of treatment efficacy and the research process.

5. Am I eligible to enrol in this course?

Refer to the UniSC Glossary of terms for definitions of “pre-requisites, co-requisites and anti-requisites”.

5.1. Pre-requisites

Enrolled in Program ED312, ED315, SC010, SC108, SC306, SC347, SC367, SC391, SC392, SC393, AENH-EMAJ, HPE-MAJ

5.2. Co-requisites

Not applicable

5.3. Anti-requisites

((LFS112 or LFS201 or LFS202) and LFS122) or SPX103

5.4. Specific assumed prior knowledge and skills (where applicable)

Not applicable

6. How am I going to be assessed?

6.1. Grading Scale

Standard Grading (GRD)

High Distinction (HD), Distinction (DN), Credit (CR), Pass (PS), Fail (FL).

6.2. Details of early feedback on progress

Revision questions will be available each week for students to practise and test their understanding of concepts, commencing from the start of semester. These will provide early formative assessment in this course, as these will support development of knowledge for preparation of Tasks. Early assessment in this course will involve an early summative assessment in the form of a written piece due in Week 4.

6.3. Assessment tasks

DELIVERY MODE	TASK NO.	ASSESSMENT PRODUCT	INDIVIDUAL OR GROUP	WEIGHTING %	WHAT IS THE DURATION / LENGTH?	WHEN SHOULD I SUBMIT?	WHERE SHOULD I SUBMIT IT?
All	1	Written Piece	Individual	25%	750 words	Week 4	Online Assignment Submission with plagiarism check
All	2	Case Study	Individual	35%	1500 words	Week 9	Online Assignment Submission with plagiarism check
All	3	Examination - Centrally Scheduled	Individual	40%	90 minutes	Exam Period	Online Submission

All - Assessment Task 1: Patient Information Tool

GOAL:	The goal of this assessment is to prepare information suitable for use in an educational brochure to explain aspects of anatomy and physiology.
PRODUCT:	Written Piece
FORMAT:	Individual response to a selected scenario. Full details will be provided on Canvas.

CRITERIA:

No.		Learning Outcome assessed
1	Ability to explain the anatomical structures of the human body, and relate these to their physiological functions, specifically to the chosen scenario	1 2
2	Ability to explain how control and regulation of the human body is achieved by interactions between body systems, relevant to the scenario	3
3	Ability to summarise key knowledge required by a lay person to understand their clinical condition.	1
4	Apply principles and practices of academic writing and referencing	4
5	Demonstrate ethical use of intellectual property	5

All - Assessment Task 2: Case study

GOAL:	The goal of this task is to demonstrate understanding of complex interactions between multiple body systems.
PRODUCT:	Case Study
FORMAT:	Individual response to a provided case study. Full details will be provided on Canvas.

CRITERIA:

No.		Learning Outcome assessed
1	Demonstrated understanding and application of concepts in anatomy and physiology to the case study	1 2
2	Demonstrated ability to integrate multiple systems towards overall body physiology.	3
3	Ability to apply physiological and pathophysiological information to a case study.	1 2
4	Apply principles and practices of academic writing and referencing	4
5	Demonstrated ethical use of intellectual property	5

All - Assessment Task 3: Final Exam

GOAL:	To provide you with an opportunity to demonstrate your knowledge and understanding, and to apply theoretical information obtained throughout this course.
PRODUCT:	Examination - Centrally Scheduled
FORMAT:	Individual responses to allocated questions. Full details will be provided on Canvas.

CRITERIA:

No.		Learning Outcome assessed
1	Demonstrates knowledge and understanding of the theoretical content.	1 2 3
2	Demonstrate problem solving based on theoretical knowledge in anatomy, physiology and pathophysiology.	1 3
3	Application of the principles and practices of reflective and academic writing and referencing in the style appropriate to the discipline.	4
4	Ethical use of intellectual property.	5

7. Directed study hours

A 12-unit course will have total of 150 learning hours which will include directed study hours (including online if required), self-directed learning and completion of assessable tasks. Student workload is calculated at 12.5 learning hours per one unit.

8. What resources do I need to undertake this course?

Please note: Course information, including specific information of recommended readings, learning activities, resources, weekly readings, etc. are available on the course Canvas site– Please log in as soon as possible.

8.1. Prescribed text(s) or course reader

Please note that you need to have regular access to the resource(s) listed below. Resources may be required or recommended.

REQUIRED?	AUTHOR	YEAR	TITLE	EDITION	PUBLISHER
Recommended	Kevin T Patton,Gary A. Thibodeau	2023	The Human Body in Health & Disease - Softcover	8th Edition	Mosby

8.2. Specific requirements

Not applicable

9. How are risks managed in this course?

Health and safety risks for this course have been assessed as low. It is your responsibility to review course material, search online, discuss with lecturers and peers and understand the health and safety risks associated with your specific course of study and to familiarise yourself with the University's general health and safety principles by reviewing the online induction training for students, and following the instructions of the University staff.

10. What administrative information is relevant to this course?

10.1. Assessment: Academic Integrity

Academic integrity is the ethical standard of university participation. It ensures that students graduate as a result of proving they are competent in their discipline. This is integral in maintaining the value of academic qualifications. Each industry has expectations and standards of the skills and knowledge within that discipline and these are reflected in assessment.

Academic integrity means that you do not engage in any activity that is considered to be academic fraud; including plagiarism, collusion or outsourcing any part of any assessment item to any other person. You are expected to be honest and ethical by completing all work yourself and indicating in your work which ideas and information were developed by you and which were taken from others. You cannot provide your assessment work to others. You are also expected to provide evidence of wide and critical reading, usually by using appropriate academic references.

In order to minimise incidents of academic fraud, this course may require that some of its assessment tasks, when submitted to Canvas, are electronically checked through Turnitin. This software allows for text comparisons to be made between your submitted assessment item and all other work to which Turnitin has access.

10.2. Assessment: Additional Requirements

Eligibility for Supplementary Assessment
Your eligibility for supplementary assessment in a course is dependent of the following conditions applying:
a. The final mark is in the percentage range 47% to 49.4%
b. The course is graded using the Standard Grading scale
c. You have not failed an assessment task in the course due to academic misconduct.

10.3. Assessment: Submission penalties

Late submission of assessment tasks may be penalised at the following maximum rate:
- 5% (of the assessment task's identified value) per day for the first two days from the date identified as the due date for the assessment task.
- 10% (of the assessment task's identified value) for the third day - 20% (of the assessment task's identified value) for the fourth day and subsequent days up to and including seven days from the date identified as the due date for the assessment task.
- A result of zero is awarded for an assessment task submitted after seven days from the date identified as the due date for the assessment task. Weekdays and weekends are included in the calculation of days late. To request an extension you must contact your course coordinator to negotiate an outcome.

10.4. SafeUniSC

UniSC is committed to a culture of respect and providing a safe and supportive environment for all members of our community. For immediate assistance on campus contact SafeUniSC by phone: 07 5430 1168 or using the SafeZone app. For general enquires contact the SafeUniSC team by phone 07 5456 3864 or email safe@usc.edu.au.

The SafeUniSC Specialist Service is a Student Wellbeing service that provides free and confidential support to students who may have experienced or observed behaviour that could cause fear, offence or trauma. To contact the service call 07 5430 1226 or email studentwellbeing@usc.edu.au.

10.5. Study help

For help with course-specific advice, for example what information to include in your assessment, you should first contact your tutor, then your course coordinator, if needed.

If you require additional assistance, the Learning Advisers are trained professionals who are ready to help you develop a wide range of academic skills. Visit the Learning Advisers web page for more information, or contact Student Central for further assistance: +61 7 5430 2890 or studentcentral@usc.edu.au.

10.6. Wellbeing Services

Student Wellbeing provide free and confidential counselling on a wide range of personal, academic, social and psychological matters, to foster positive mental health and wellbeing for your academic success.

To book a confidential appointment go to Student Hub, email studentwellbeing@usc.edu.au or call 07 5430 1226.

10.7. AccessAbility Services

Ability Advisers ensure equal access to all aspects of university life. If your studies are affected by a disability, learning disorder mental health issue, injury or illness, or you are a primary carer for someone with a disability or who is considered frail and aged, AccessAbility Services can provide access to appropriate reasonable adjustments and practical advice about the support and facilities available to you throughout the University.

To book a confidential appointment go to Student Hub, email AccessAbility@usc.edu.au or call 07 5430 2890.

10.8. Links to relevant University policy and procedures

For more information on Academic Learning & Teaching categories including:

- Assessment: Courses and Coursework Programs
- Review of Assessment and Final Grades
- Supplementary Assessment
- Central Examinations
- Deferred Examinations
- Student Conduct
- Students with a Disability

For more information, visit https://www.usc.edu.au/explore/policies-and-procedures#academic-learning-and-teaching

10.9. Student Charter

UniSC is committed to excellence in teaching, research and engagement in an environment that is inclusive, inspiring, safe and respectful. The Student Charter sets out what students can expect from the University, and what in turn is expected of students, to achieve these outcomes.

10.10. General Enquiries

In person:

- **UniSC Sunshine Coast** - Student Central, Ground Floor, Building C, 90 Sippy Downs Drive, Sippy Downs
- **UniSC Moreton Bay** - Service Centre, Ground Floor, Foundation Building, Gympie Road, Petrie
- **UniSC SouthBank** - Student Central, Building A4 (SW1), 52 Merivale Street, South Brisbane
- **UniSC Gympie** - Student Central, 71 Cartwright Road, Gympie
- **UniSC Fraser Coast** - Student Central, Student Central, Building A, 161 Old Maryborough Rd, Hervey Bay
- **UniSC Caboolture** - Student Central, Level 1 Building J, Cnr Manley and Tallon Street, Caboolture

Tel: +61 7 5430 2890

Email: studentcentral@usc.edu.au