

HLT109 Anatomy & Physiology I

School: School of Health - Biomedicine

2027 | Trimester 1

UniSC Sunshine Coast
UniSC Moreton Bay

**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

This course will introduce students to the structural and functional foundations of the human body. The course explores body organisation from the cellular level through to body systems, including the nervous, musculoskeletal, and endocrine systems, integrating anatomy and physiology to explain how structure supports function. Core topics include cell metabolism, neural control and communication, sensory and autonomic pathways, skeletal and muscular systems, and hormonal regulation. Laboratory classes reinforce learning through histology, gross models, and hands-on practical activities such as using physiology equipment and animal organs. This course provides a critical platform for students in health, biomedical, and science programs to understand normal human structure and function before progressing to visceral systems.

1.2. How will this course be delivered?

ACTIVITY	HOURS	BEGINNING WEEK	FREQUENCY
BLENDED LEARNING			
Learning materials – Weekly online asynchronous learning materials, including eModules and associated revision activities and questions.	2hrs	Week 1	12 times
Tutorial/Workshop 1 – Weekly synchronous online workshop that will cover anatomy and physiology concepts.	2hrs	Week 1	12 times
Tutorial/Workshop 2 – Weekly synchronous in-person workshops which cover the major macroscopic anatomical structures. Workshops will incorporate progressive assessments.	2hrs	Week 1	10 times
Laboratory 1 – Fortnightly on campus laboratory classes. Lab classes will incorporate progressive assessments.	2hrs	Week 2	6 times

1.3. Course Topics

- Cell metabolism
- Central, peripheral and autonomic nervous system
- Musculoskeletal system
- Endocrine system

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...	Australian Institute of Medical and Clinical Scientists
1 Identify and describe the macroscopic and microscopic organisation and relationships between structure and function across cellular, nervous, musculoskeletal, and endocrine systems using appropriate anatomical terminology.	Knowledgeable Communication	6.2
2 Demonstrate understanding of muscle location, general attachment sites, and actions, integrating physiological processes.	Knowledgeable Communication	6.2
3 Explain fundamental physiological mechanisms, such as cell metabolism, neural and hormonal communication that support homeostasis.	Knowledgeable Communication	3.3.2, 6.2
4 Demonstrate effective collaboration and reflective practice to support clear communication of integrated anatomy and physiology responses.	Engaged Communication	10.4.1, 10.4.2

* Competencies by Professional Body

CODE	COMPETENCY
AUSTRALIAN INSTITUTE OF MEDICAL AND CLINICAL SCIENTISTS	
3.3.2	Ensure that results with important diagnostic or treatment implications are communicated as per established protocols: Results are interpreted in the light of clinical information provided and knowledge of the test(s) and limitations.
6.2	Professional accountability and participation in continuing professional development: Maintain and update scientific/technical knowledge and skills
10.4.1	Prepare and deliver report: Contributions are made regarding the format and presentation of outcomes.
10.4.2	Prepare and deliver report: Preparation of verbal and/or written reports or article (including for publication) is undertaken.

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

Not applicable

5.2. Co-requisites

Not applicable

5.3. Anti-requisites

Not applicable

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

Online and in person practical formative anatomy and physiology tasks are provided for students throughout the Trimester. Completion of these tasks provides immediate feedback.

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	Portfolio	Individual	40%	1-2 hours weekly	Throughout teaching period (refer to Format)	In Class
All	2	Case Study	Individual	25%	60 minutes	Week 9	In Class
All	3	Examination - Centrally Scheduled	Individual	35%	90 minutes	Exam Period	Exam Venue

All - Assessment Task 1: Theory and practical portfolio

GOAL:	To develop understanding of theoretical principles and practical application of course content, supporting consolidation of learning.		
PRODUCT:	Portfolio		
FORMAT:	<p>Portfolio incorporating the following components:</p> <p>Weekly preparation and in-class participation (10%), demonstrating prior review of content via workbook or associated skill in face to face workshops and laboratories.</p> <p>Integrated anatomy and physiology spotter questions (30%) will be completed in groups during workshops during weeks 3, 5, and 7.</p> <p>Please refer to the course Canvas site for further details.</p>		
CRITERIA:	<p>No.</p> <p>1</p>	<p>Understanding of relationships between structure and function across cellular, nervous, musculoskeletal, and endocrine systems via active engagement with learning materials and correct responses to questions</p>	<p>Learning Outcome assessed</p> <p>1 2 3 4</p>
GENERIC SKILLS:	Communication, Collaboration, Problem solving, Organisation		

All - Assessment Task 2: Anatomy & Physiology Case Study

GOAL:	Extended case-study theory exam to demonstrate your integrated anatomy and physiology knowledge of content covered in weeks 2-8.		
PRODUCT:	Case Study		
FORMAT:	In class theory exam assessing anatomical and physiological theories and principles in a case-study format. Question format can include, but is not limited to; multiple-choice, short-response, compare and contrast, drawing, and extended response answers. Students will be asked to describe, analyse, label, and identify structures and cells and features within histology images.		
CRITERIA:	No.		Learning Outcome assessed
	1	Apply relevant theoretical knowledge to anatomy and physiology case study scenarios using active recall.	1 3
GENERIC SKILLS:	Communication, Problem solving		

All - Assessment Task 3: Integrated Practical Paper

GOAL:	In this assessment, you will demonstrate your ability to holistically integrate your knowledge of anatomy and physiology in a structured practical exam.		
PRODUCT:	Examination - Centrally Scheduled		
FORMAT:	The integrated anatomy and physiology practical paper incorporates traditional spotter stations with objective structured clinical examination (OSCE) and theory style questions. This will be undertaken in-person in the centrally scheduled exam block.		
CRITERIA:	No.		Learning Outcome assessed
	1	Demonstrate the ability to holistically integrate anatomy, histology, and physiology in a objectively structured practical exam.	1 2 3
GENERIC SKILLS:	Communication, Problem solving		

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	ELAINE. HOEHN MARIEB (KATJA.),Katja Hoehn	2022	Human Anatomy & Physiology [Global Edition] (HB)	12th	Pearson

8.2. Specific requirements

To successfully complete the UB001 Bachelor of Medical Laboratory Science (Pathology) and meet accreditation requirements of AIMS, UB001 students enrolled in HLT109 are expected to attend and participate in laboratory practical classes, and attendance will be recorded.

Students will require the HLT109 course manuals, available for purchase from UniSC MyPrint. Electronic copies are available on Canvas, however it is strongly recommended to have hard copies of these manuals. Students will require personal protective equipment (PPE) for laboratory classes, including a clean lab coat, fully enclosed footwear and safety glasses. Students will be required to complete online Laboratory inductions on Canvas prior to gaining entry into the laboratory.

9. How are risks managed in this course?

Risk assessments have been performed for all laboratory classes and a moderate level of health and safety risk exists. Moderate risks are those associated with laboratory work such as working with chemicals and hazardous substances. You will be required to undertake laboratory induction training and it is also 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%; and
- (b) The course is graded using the Standard Grading scale

10.3. Assessment: Submission penalties

Late submissions may be penalised up to and including the following maximum percentage of the assessment task's identified value, with weekdays and weekends included in the calculation of days late:

- (a) One day: deduct 5%;
- (b) Two days: deduct 10%;
- (c) Three days: deduct 20%;
- (d) Four days: deduct 40%;
- (e) Five days: deduct 60%;
- (f) Six days: deduct 80%;
- (g) Seven days: A result of zero is awarded for the assessment task.

The following penalties will apply for a late submission for an online examination:

- Less than 15 minutes: No penalty
- From 15 minutes to 30 minutes: 20% penalty
- More than 30 minutes: 100% penalty

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](tel:0754301168) or using the [SafeZone](#) app. For general enquires contact the SafeUniSC team by phone [07 5456 3864](tel:0754563864) 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](tel:0754301226) 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