COURSE OUTLINE

HLT110 Anatomy & Physiology II

School: School of Health - Biomedicine

2027 | Trimester 2

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

Students will examine the structure and function of the integumentary, lymphatic, cardiorespiratory, digestive, urogenital systems, with emphasis on the integration of anatomy and physiology and the maintenance of homeostasis. Key topics include immunity, gas exchange, circulation, nutrient absorption, fluid and electrolyte balance, and reproduction. Laboratory sessions provide hands-on experience in physiological testing, organ system exploration, and data interpretation. This course equips students with the knowledge and skills to apply an integrated (anatomy and physiology) understanding of human systems to further study in health, biomedical, and life sciences.

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, incorporating progressive assessments.	2hrs	Week 1	10 times
Laboratory 1 – Fortnightly on campus laboratory classes. Lab classes may incorporate progressive assessments.	2hrs	Week 2	6 times

1.3. Course Topics

- Integumentary system and thermoregulation
- Immune system
- Cardiovascular system
- Respiratory system
- Digestive system
- Urinary system
- Reproductive 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 On successful completion of this course, you should be able to...	GRADUATE QUALITIES MAPPING Completing these tasks successfully will contribute to you becoming...	PROFESSIONAL STANDARD MAPPING * Australian Institute of Medical and Clinical Scientists
1 Identify and describe the macroscopic and microscopic structural and functional characteristics of the integumentary, immune, cardiovascular, respiratory, digestive, urinary and reproductive systems, and how they contribute to body integration and homeostasis.	Knowledgeable	6.2
2 Demonstrate competency in practical anatomy and physiology techniques, including the collection, presentation, analysis and interpretation of experimental data.	Empowered	1.1.5, 1.6.3, 1.6.7, 1.6.8, 2.1.1, 10.4.2
3 Explain core physiological processes and evaluate integrated body responses that maintain homeostasis using scientific reasoning.	Knowledgeable Communication	6.2, 7.2.1
4 Gather, synthesise and critically evaluate anatomy and physiology information from a range of sources.	Creative and critical thinker	3.3.2, 6.2.3, 7.2.1, 10.1.5

* Competencies by Professional Body

CODE	COMPETENCY
AUSTRALIAN INSTITUTE OF MEDICAL AND CLINICAL SCIENTISTS	
1.1.5	Ensure the appropriateness of sample collection procedures: Patient is informed of procedure, advised of possible associated risks, and agreement to proceed is obtained.
1.6.3	Read and validate results - Equipment based testing: Results are calculated from data outputs according to documented procedures.
1.6.7	Read and validate results - Observation based testing: Critical observations are made and recorded.
1.6.8	Read and validate results - Observation based testing: Observations and evaluations are summarised, using the appropriate knowledge base, and summary is recorded according to regulatory protocols.
2.1.1	Assess validity of data/results against possible range of outcomes: Initial observation and limited interpretation for significance of the raw data/results is undertaken.
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.
6.2.3	Maintain and update scientific/technical knowledge and skills: Relevant scientific literature is monitored.
6.2	Professional accountability and participation in continuing professional development: Maintain and update scientific/technical knowledge and skills

CODE	COMPETENCY
7.2.1	Makes independent, professional judgements: Problems are solved using sound judgement based upon knowledge and practical experience.
10.4.2	Prepare and deliver report: Preparation of verbal and/or written reports or article (including for publication) is undertaken.
10.1.5	Contribute to planning and design of research and development projects: Relevant information is accessed online, from libraries and other sources.

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 be 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	30%	60 minutes	Week 9	In Class
All	3	Artefact - Technical and Scientific	Group	30%	5 minute video	Week 12	Online Submission

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:	Task 1a (10%): Preparation and participation via completion of weekly interactive eModules via Canvas. Due dates: Week 7 (eModules 1-6) and Week 12 (e-Modules 7-12). Task 1b (30%): Anatomy and Physiology spotter quizzes x 3 completed in workshops during the Trimester.
CRITERIA:	

No.		Learning Outcome assessed
1	Understanding of relationships between structure and function across integumentary, immune, cardiovascular, respiratory, digestive, urinary and reproductive systems via active engagement with learning materials and correct responses to questions.	1 2 3

GENERIC SKILLS:	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 exam, including theory questions histology images where students will identify, assess or label specific microscopic features.
CRITERIA:	

No.		Learning Outcome assessed
1	Apply relevant theoretical knowledge to anatomy and physiology case study scenarios using active recall.	1 2 3

GENERIC SKILLS:	Communication, Problem solving

All - Assessment Task 3: Anatomy & Physiology educational video

GOAL:	Demonstrate your comprehension of course theoretical concepts by using digital technologies to create an educational resource around a specific topic linking anatomy and physiology.
PRODUCT:	Artefact - Technical and Scientific
FORMAT:	Working in groups, select from a list of provided topics to design and record a five minute video presentation utilising digital technology resources provided in the courses. Further details to be provided in Canvas.
CRITERIA:	

No.		Learning Outcome assessed
1	Understanding of key anatomy and physiology concepts relevant of presented topics.	1
2	Effective use of digital resources to create an engaging and clear video presentation	1 2 3
3	Demonstrate effective collaboration and reflective practice to support clear presentation of integrated anatomy and physiology responses.	2 3 4

GENERIC SKILLS:	Communication, Collaboration, Applying technologies

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 HLT110 are expected to attend and participate in laboratory practical classes, and attendance will be recorded.

To complete this course, students will require the HLT110 course manual. This is available for purchase from UniSC MyPrint; with an electronic copy available on Canvas. It is strongly recommended to have a hard copy, as they are invaluable resources to successfully complete the course. Students will require personal protective equipment (PPE) for laboratory classes. This includes: a clean laboratory coat, fully-enclosed footwear, and safety glasses. Students are also required to complete the online Laboratory Induction 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 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