



1. General Course Information

1.1 Course Details

Course Code:	1805NRS
Course Name:	Human Anatomy & Physiology 1
Trimester:	Health Care Trimester 1, 2020
Program:	Diploma of Health Care
Credit Points:	10
Course Coordinator:	Dr Jos De Schepper
Document modified:	23 rd November 2019

Course Description

Professional practice in a range of health disciplines is underpinned and informed by knowledge and understanding of anatomy and physiology. Students investigate key foundational physiological principles, the organisational levels in the body, the structure and function of the normal human body and the relevance of such knowledge to the maintenance of human health. Changes to the body across the lifespan are also explored. Core concepts are taught using an integrated and exploratory approach to facilitate the ability of students to transfer, assimilate and utilise knowledge gained in this course to other courses within their program, and to apply what they have learnt to nursing practice. This course addresses the generic skills of the Griffith Graduate by enhancing the students' ability to work autonomously and in teams, communicate effectively, and problem solve as well as develop professional responsibility.

Assumed Knowledge

There is no assumed prior knowledge required for this course

1.2 Teaching Team

Your lecturer/tutor can be contacted via the email system on the portal.

Name	Email
Dr Jos de Schepper	jos.deschepper@staff.griffithcollege.edu.au
Dr Sue Parker	supa@portal.griffithcollege.edu.au

1.3 Staff Consultation

Your lecturer/tutor is available each week for consultation outside of normal class times. Times that your lecturer/tutor will be available for consultation will be given in the first week of lectures. A list of times and rooms will be published on the Griffith College Portal under the "Support and Services/Teacher Consultation Times" link.

1.4 Timetable

Your timetable is available on the Griffith College Portal at Class Timetable in Student and Services.

1.5 Technical Specifications

All students must have access to a computer or suitable mobile device.

2. Aims, Outcomes & Generic Skills

2.1 Course Aims

The principal aim of this course is to develop students' knowledge and understanding of the normal anatomy and physiology of the human body and the relevance of such knowledge to the maintenance of health in order to inform effective nursing practice.

2.2 Learning Outcomes

After successfully completing this course you should be able to:

1. Correctly use anatomical and physiological terms as they relate to the human body;
2. Identify and describe the anatomical features and physiological functions of various systems of the body

2.3 Generic skills

For further details on the Generic Skills please refer to the Graduate Generic Skills and Capabilities policy.

Griffith College aims to develop graduates who have an open and critical approach to learning and a capacity for lifelong learning. Through engagement in their studies, students are provided with opportunities to begin the development of these and other generic skills.

Studies in this course will give you opportunities to begin to develop the following skills:

Generic Skills and Capabilities	Taught	Practised	Assessed
Acquisition of discipline knowledge and skills with critical judgement	✓	✓	✓
Communication and collaboration	✓	✓	
Self-directed and active learning	✓	✓	✓

Creative and future thinking	✓	✓	
Social responsibility and ethical awareness	✓		
Cultural competence and awareness in a culturally diverse environment	✓	✓	

3. Learning Resources

3.1 Required Resources

- O'Loughlin, V., Bidle, T., & McKinley, M. (2016 / 2018). Anatomy & Physiology: An Integrative Approach. 2nd or 3rd edition. New York: McGraw-Hill.
- Human Anatomy & Physiology I Workbook will be located on the 1805NRS MyStudy course site for download.

3.2 Recommended Resources

The DHC teaching team strongly recommends students use the on-line websites associated with the prescribed text.

As 1805NRS involves practical laboratory sessions, appropriate safety equipment such as laboratory gowns, safety glasses and enclosed shoes must be purchased and brought to each practical lesson.

3.3 College Support Services and Learning Resources

The College provides many facilities and support services to assist students in their studies. Links to information about College support resources that are available to students are included below for easy reference.

[Digital Library](#) – Databases to which Griffith College students have access to through the Griffith Library Databases.

MyStudy – there is a dedicated website for this course via MyStudy on the Griffith College Portal.

[Academic Integrity Tutorial](#) - this tutorial helps students to understand what academic integrity is and why it matters. You will be able to identify types of breaches of academic integrity, understand what skills you will need in order to maintain academic integrity, and learn about the processes of referencing styles.

Services and Support provides a range of services to support students throughout their studies including personal support such as Counselling; Academic support; and Welfare support.

Jobs and Employment in the [Student Hub](#) can assist students with career direction, resume and interview preparation, job search tips, and more.

[IT Support](#) provides details of accessing support, information on s numbers and internet access and computer lab rules.

3.4 Other Learning Information

Attendance

You are expected to attend all lectures and tutorials and to actively engage in learning during these sessions. You are expected to bring all necessary learning resources to class such as the required textbook and /or Workbook. In addition, you may BYOD (bring your own device) to class such as a laptop or tablet. This is not a requirement as computer lab facilities are available on campus, however, the use of such devices in the classroom is encouraged with appropriate and considerate use principles being a priority.

Preparation and Participation in Class

In order to enhance learning, prepare before lectures and tutorials. Read the relevant section of your text book before a lecture, and for a tutorial read both the textbook and the relevant lecture notes. If you have been given tutorial exercises, make sure you complete them. Active participation in lectures and tutorials will improve your learning. Ask questions when something is unclear or when you want to bring some issue to your lecturer or tutor's attention; respond to questions to test your knowledge and engage in discussion to help yourself and others learn.

Consultation Sessions

Teachers offer extra time each week to assist students outside the classroom. This is known as 'consultation time.' You may seek assistance from your teacher on email or in person according to how the teacher has explained this to the class. Attendance during consultation time is optional but you are encouraged to use this extra help to improve your learning outcomes.

Course Materials

Lecture notes will be made available to you in MyStudy on the Griffith College Portal and you are advised to either print these out and bring them to each class so that extra notes can be added or BYOD (bring your own device) and add extra notes digitally.

Self-Directed Learning

You will be expected to learn independently. This means you must organise and learn the course content even when you are not specifically asked to do so by your lecturer or tutor. This involves revising the weekly course material. It also means you will need to find additional information for some assessment items beyond that given to you in textbooks and lecture notes, and to construct your own response to a question or topic. All of this requires careful planning of your time. Expect to spend, on average, at least 10 hours per week including class time for each of your courses.

Program Progression

You are reminded that satisfactory Program Progression requires that attendance in classes is maintained at equal to or greater than 80%, and that GPA is maintained at equal to or greater than 3.5 [please see Griffith College Policy Library - Program Progression Policy - for more information].

Teacher and course Evaluation

Your feedback is respected and valued by your lecturers and tutors. You are encouraged to provide your thoughts on the course and teaching, both positive and critical, directly to your lecturer and tutor or by completing course and lecturer evaluations via Griffith College's evaluation tool whenever these are available.

4. Learning and Teaching Activities

4.1 Weekly Learning Activities

Weekly Teaching Schedule

Week	Topic	Activity	Readings	Learning Outcomes
1	Introduction to Anatomy & Physiology	Lecture	Course text: Chapter 1	1, 2
	Body Systems, Anatomical terminology, Homeostasis, Cell structure and function	Tutorial	Bring 1805NRS Workbook	1, 2
	Introduction to the course and assessment;	Workshop	Module 1 Topic 1	1, 2

	Review Course Content, Module 1 Topic 1			
2	Intro to Cell Nucleus, DNA, Chemistry of Life	Lecture	Course text: Chapter 2: Atoms, Ions, and Molecules Chapter 4: Biology of the Cell pp.102-134 Chapter 4: Biology of the Cell pp.135-150.	1, 2
	The Cell & Organelles, The Nucleus; Chemistry of life (Atoms, Ions, Molecules, pH)	Tutorial	1805NRS Workbook	1, 2
	Module 2 Topic 2 & 3 Review	Workshop	Concept drawings	1, 2
	Lab 1: Introduction to A&P Body Systems; Anatomical terminology;	Laboratory	1805NRS Workbook	1, 2
3	Tissues & Integumentary	Lecture	Course text: Chapter 5: Tissue Organization Chapter 6: Integumentary System	1, 2
	Four tissue types, Tissue repair, Structure & Function - skin	Tutorial	1805NRS Workbook	1, 2
	Module 2 Topic 3 Module 3 Topic 1 Review	Workshop	Concept drawings	1, 2
	Lab 2: Homeostasis; Rat Dissection	Laboratory	1805NRS LLS 2	1, 2
4	Skeletal System	Lecture	Course text: Chapter 7, 8 & 9	1, 2
	Skeletal System Review	Tutorial	1805NRS Workbook	1, 2
	Module 3 Topic 3 Review	Workshop	Concept drawings	1, 2
	Lab 3: Cells, Membrane transport, Tonicity, pH, & Tissues	Laboratory	1805NRS LLS 3	1, 2
5	Fundamentals of the Nervous System	Lecture	Course text: Chapter 12: Nervous System; Nervous Tissue	1, 2
	Action Potentials & Neurotransmitters	Tutorial	1805NRS Workbook	1, 2
	Intra-trimester exam Prep	Workshop	Concept drawings	1, 2
	Lab 4: Integumentary & Skeletal Systems	Laboratory	1805NRS LLS 4	1, 2
6	The Central Nervous System	Lecture	Course text: Chapter 13 & 14	1, 2
	Brain functional areas, Spinal Cord, Cranial nerves,	Tutorial	1805NRS Workbook	1, 2

	Module 3 Topic 4 Review	Workshop	Concept drawings	1, 2
	Lab 5: The Nervous System & Muscular innervation	Laboratory	1805NRS LLS 5	1, 2
Mid Trimester Break				
7	The Peripheral Nervous System (PNS)	Lecture	Chapter 15/16	1, 2
	Spinal nerves, dermatomes, nerve plexuses, Autonomic Nervous System	Tutorial	1805NRS Workbook	1, 2
	Module 3 Topic 5 Review	Workshop	Concept drawings	1, 2
8	The Endocrine System	Lecture	Course text: Chapter 17	1, 2
	Endocrine glands and organs, Hormones and their effects	Tutorial	1805NRS Workbook	1, 2
	Module 3 Topic 6 Review	Workshop	Concept drawings	1, 2
9	The Muscular System	Lecture	Course text: Chapter 10 & 11	1, 2
	Structure, function and types of muscles	Tutorial	1805NRS Workbook	1, 2
	Module 3 Topic 7 review	Workshop	Concept drawings	1, 2
	Lab 6: Haematology, Immunology & Microbiology	Laboratory	1805NRS LLS 6	1, 2
10	Haematology & Immunology	Lecture	Course text: Chapter 18 & 22	1, 2
	Haematology/Innate and adaptive immunity	Tutorial	1805NRS Workbook	1, 2
	Module 4 Topic 1 & 2 Review	Workshop	Concept drawings	1, 2
11	Optional Revision session 2 hrs	Class		1, 2

4.2 Practical Laboratory Classes

The laboratory component of the course introduces the students to practical lessons pertaining to anatomy & physiology. It is expected of all students to complete the relevant workbook questions before attending each lab, then completing the remaining questions during each respective practical lesson. The laboratory workbook can be purchased from the bookstore or printed from the 1805NRS MyStudy site and must be brought to each laboratory session. Failure to have the relevant workbook may result in exclusion from the lab.

If you are unable to attend a Lab for extenuating reasons you will be required to submit evidence explaining any absence (e.g. medical certificate) to the lead laboratory demonstrator. Students who miss a lab will be required to complete the relevant workbook section in their own time and have it checked and signed off by their tutor before the next consecutive lab.

Students will work in small groups to analyse experiments and develop problem solving skills, with the content covered in the lab classes being assessed during the mid-trimester and final examinations. An attendance roll will be maintained for all lab classes. Students are expected to attend their scheduled laboratory class, punctuality is important.

Whilst in the lab, students must comply with all workplace and laboratory health and safety protocols & all instructions provided by the laboratory demonstrators or members of the laboratory technical service team. Additionally, Shoes appropriate for a nursing clinical laboratory session must be worn in all 1805NRS laboratory sessions.

Failure to comply with health and safety instructions or the instructions of your laboratory demonstrators within the lab will result in excluded from the laboratory session.

Students must complete the on-line modules for workplace health and safety for Griffith University labs and submit the certificate of completion for "Student Basic Health & Safety Induction" and "Health Lab Induction" before the first laboratory session. Students may be required to bring their prescribed textbook and laboratory workbook to laboratories. Information regarding the Human Anatomy & Physiology workbooks will be provided on the course site, and in the first lecture.

5. Assessment Plan

5.1 Assessment Summary

Item	Assessment Task	Weighting	Learning Outcomes	Due Date
1	On-line Quizzes	20%	1, 2	Weeks 1 - 10
2	Mid-Trimester Exam	30%	1, 2	Week 5
3	End of Trimester Exam	50%	1, 2	Final Examination Period

5.2 Assessment Detail

Overall assessment in this course is designed to ensure students have attained the learning outcomes for the course. As this course is designed to provide foundational knowledge in biological sciences, students will be assessed primarily on their knowledge and understanding of anatomy and physiology of the human body.

1. Online Quizzes

Rationale: These quiz items are designed to assist students studying biological sciences as they relate to nursing. Quizzes have been designed to guide student learning and to enhance learning outcomes in this course. Students will receive early and regular feedback on their performance.

Assessment details: Each quiz consists of twenty questions and will be held every second week (i.e., week 2, 4, 6, 8, and 10). The question style includes multiple choice, matching and labelling. There are five quizzes, worth 4% each; 20% in total. Each quiz has a maximum completion time of 20 minutes.

Marking criteria: Each quiz will be marked in accordance with pre-determined model answers that have been internally moderated.

2. In-Trimester Examination

Rationale: This individual assessment item is designed to assess the knowledge and understanding of the core concepts covered in the first part of the trimester. Including Learning Outcomes 1, 2.

Assessment details: This assessment item will contain a variety of questions including multiple choice and short answer questions/responses.

Marking criteria: This exam will be marked following a strict marking guide and will undergo a full moderation process.

3. Final Examination

Rationale: This individual assessment item is designed to assess the knowledge and understanding of the core concepts covered throughout the entire trimester, although a greater emphasis will be on the content from the mid-trimester exam onwards. The exam will assess student learning stemming from core concepts covered in lectures, worksheets and laboratories presented during the whole course. Please note that content covered in laboratories will be assessed including identification of anatomical structures, knowledge of anatomy, problem solving activities and analysis of experiments.

Assessment details: The exam will consist of multiple choice questions, short answer questions and anatomical diagram labelling.

Marking criteria: This exam will be marked following a strict marking guide and will undergo a full moderation process.

Further details on assessment will be provided to students via the course site on Griffith College's Student Portal and in classes during the trimester.

Requirements to pass the course:

In order to gain an overall pass for this course (and **in addition to meeting the laboratory attendance and participation requirements**), a student must:

- a. submit assessment items 2 (mid-trimester exam) and 3 (end-of-trimester exam), AND**
- b. gain a cumulative pass from all graded assessments.**

5.3 Late Submission

An assessment item submitted after the due date, without an approved extension from the Course Coordinator, will be penalised. The standard penalty is the reduction of the mark allocated to the assessment item by 5% of the maximum mark applicable for the assessment item, for each working day or part working day that the item is late. Assessment items submitted more than five working days after the due date are awarded zero marks.

Please refer to the Griffith College website - Policy Library > Assessment Policy for guidelines and penalties for late submission.

5.4 Other Assessment Information

Retention of Originals

You must be able to produce a copy of all work submitted if so requested. Copies should be retained until after the release of final results for the course.

Requests for extension

To apply for an extension of time for an assignment, you must submit an [Application for Extension of Assignment](#) form to your teacher at least 24 hours before the date the assignment is due. Grounds for extensions are usually: serious illness, accident, disability, bereavement or other compassionate circumstances and must be able to be substantiated with relevant documentation [e.g. [Griffith College Student Medical Certificate](#)]. Please refer to the Griffith College website - Policy Library - for guidelines regarding extensions and deferred assessment.

Return of Assessment Items

1. Marks awarded for in-trimester assessment items, except those being moderated externally with Griffith University, will be available on the Student Portal within fourteen [14] days of the due date. This does not apply to the final assessment item in this course (marks for this item will be provided with the final course result).
2. Students will be advised of their final grade through the Student Portal. Students can review their exam papers after student grades have been published (see relevant Griffith College Fact Sheet for allocated times at Support> Factsheets). Review of exam papers will not be permitted after the final date to enrol.
3. Marks for **all** assessment items including the final exam (if applicable) will be recorded in the Moodle Course Site and made available to students through the Moodle Course Site.

The sum of your marks overall assessment items in this course does not necessarily imply your final grade for the course. Standard grade cut off scores can be varied for particular courses, so you need to wait for the official release of grades to be sure of your grade for this course.

6. Policies & Guidelines

Griffith College assessment-related policies can be found in the [Griffith College Policy Library](#) which include the following policies:

Assessment Policy, Special Consideration, Deferred Assessment, Alternate Exam Sitting, Medical Certificates, Academic Integrity, Finalisation of Results, Review of Marks, Moderation of Assessment, Turn-it-in Software Use. These policies can be accessed using the 'Document Search' feature within the [Policy Library](#)

Academic Integrity Griffith College is committed to maintaining high academic standards to protect the value of its qualifications. Academic integrity means acting with the values of honesty, trust, fairness, respect and responsibility in learning, teaching and research. It is important for students, teachers, researchers and all staff to act in an honest way, be responsible for their actions, and show fairness in every part of their work. Academic integrity is important for an individual's and the College's reputation.

All staff and students of the College are responsible for academic integrity. As a student, you are expected to conduct your studies honestly, ethically and in accordance with accepted standards of academic conduct. Any form of academic conduct that is contrary to these standards is considered a breach of academic integrity and is unacceptable.

Some students deliberately breach academic integrity standards with intent to deceive. This conscious, pre-meditated form of cheating is considered to be one of the most serious forms of fraudulent academic behaviour, for which the College has zero tolerance and for which penalties, including exclusion from the College, will be applied.

However, Griffith College also recognises many students breach academic integrity standards without intent to

deceive. In these cases, students may be required to undertake additional educational activities to remediate their behaviour and may also be provided appropriate advice by academic staff.

As you undertake your studies at Griffith College, your lecturers, tutors and academic advisors will provide you with guidance to understand and maintain academic integrity; however, it is also your responsibility to seek out guidance if and when you are unsure about appropriate academic conduct.

In the case of an allegation of a breach of academic integrity being made against a student he or she may request the guidance and support of a Griffith College Student Learning Advisor or Student Counsellor.

Please ensure that you are familiar with the Griffith College Academic Integrity Policy; this policy provides an overview of some of the behaviours that are considered breaches of academic integrity, as well as the penalties and processes involved when a breach is identified.

For further information please refer to the Griffith College website - Policy Library > Academic Integrity Policy

Reasonable Adjustments for Assessment – The Disability Services policy

The Disability Services policy (accessed using the Document Search' feature with the [Policy Library](#)) outlines the principles and processes that guide the College in making reasonable adjustments to assessment for students with disabilities while maintaining academic robustness of its programs.

Risk Assessment Statement

There are no out of the ordinary risks associated with this course.

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