



## 1. General Course Information

### 1.1 Course Details

<b>Course Code:</b>	<b>1001BPS</b>
<b>Course Name:</b>	<b>Human Biology: Human Organism</b>
<b>Trimester:</b>	<b>Trimester 1, 2020</b>
<b>Program:</b>	Diploma of Science
	In Person
	Mt Gravatt
<b>Credit Points:</b>	10
<b>Course Coordinator:</b>	Dr Dayana Matthews
<b>Document modified:</b>	2 <sup>nd</sup> February 2020

### Course Description

Human Biology: Human Organism is a 10 Credit Point course within the Diploma of Biosciences. The course is situated within the first trimester of the program. The Diploma of Biosciences is designed to provide students with a pathway to:

- further university studies in related degrees or
- direct employment.

This Course provides an introduction to human anatomy and physiology and cell biology. It examines the structure and function of the major body systems, highlighting the interrelationship of body organ systems, homeostasis and the dependence of function upon structure. An appreciation of human body structure and regulation is gained through clinical application, namely diagnosis and treatment of human disease.

### Rationale

This course provides you with a solid understanding of basic human anatomy and physiology and the fundamentals of human biology. For some, this knowledge will provide the essential background for studying additional Courses in biomedical/biological/forensic/medical sciences in subsequent years or for study in graduate medical programs. For remaining students, the information presented in this Course will assist in your comprehension of the ever increasing impact of biomedical science on everyday life.

## Assumed Knowledge

### 1.2 Teaching Team

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

Name	Email
Dr Dayana Matthews	<a href="mailto:dayana.matthews@staff.griffithcollege.edu.au">dayana.matthews@staff.griffithcollege.edu.au</a>

### 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

Biological Science is the scientific study of life and living organisms. It is concerned with understanding the chemical, physical and structural bases upon which living organisms are constructed and the biological properties that emerge in living organisms. With this knowledge comes the ability to make predictions about living processes and the manipulation of biological processes. In the Course, 1001BPS - Human Biology, the foundations of modern biology are applied to the study of the human organism: its cells, tissues, organs and systems, and their inter-relationships. This Course provides the essential basis for further studies in advanced human anatomy and physiology, and related biological/biomedical sciences offered in the School of BPS and will be a useful elective for students in other Programs offered by the University. This is a core Course in the minimum requirements for material to be covered by the Graduate Australian Medical Schools Admission Test. It is expected therefore that students from throughout the University may take this Course.

### 2.2 Learning Outcomes

After successfully completing this course you should be able to:

1. Describe the structure of the human body and the interrelationships between body systems.
2. Critically evaluate the dependence of body function upon structure.
3. Analyse the importance of the regulation of the human body to gain an insight into the clinical consequences that arise when this is disrupted.
4. Use anatomical and clinical terminology and nomenclature.

5. Develop the skills required to communicate effectively in both written and oral forms.
6. Demonstrate academic conventions and ethical behaviour relevant to the field of science.

## 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	Taught	Practised	Assessed
Acquisition of discipline knowledge and skills with critical judgement	✓	✓	✓
Communication and collaboration skills	✓	✓	✓
Self-directed and active learning skills	✓	✓	✓
Creative and future thinking skills	✓	✓	
Social responsibility and ethical awareness	✓	✓	✓
Cultural competence and awareness in a culturally diverse environment	✓	✓	

## 3. Learning Resources

A detailed outline of the material to be covered in each Learning Module shall be provided in the form of Power Point lecture slides and other module notes.

### 3.1 Required Resources

Marieb, E. Hoehn, K (2019) Human Anatomy and Physiology, (11th ed.), Pearson Benjamin Cummings Publishers

### 3.2 Recommended Resources

### 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.

The Course is taught by using a variety of teaching and learning activities including lectures and intensive, facilitated workshops/tutorials. Course material will be presented in six (6) Learning Modules each with comprehensive lecture slides and a set of learning activities and will include the use of web-based resources. Each Learning Module will be run over a two (2) week period and will consist of at least four to five (1hr) lectures, one (2hr) workshop and one (2hr) tutorial.

The lecture slides will provide you with a detailed outline of the material covered in the lectures. Furthermore, you may stop at any time to clarify a particular point by referring to the textbook or web-site. The Power Point slides, web-based resources and the text will provide content. Lectures will provide an overview and discussion of key material of each module topic, and the workshops and tutorials will examine and discuss material in greater depth to allow you the opportunity to develop and consolidate your learning and test your knowledge of the subject material on an ongoing basis.

Workshop (2hr) sessions will be used to focus your attention on the learning objectives for each module and as a small group activity will enable the development of effective communication skills.

Tutorial (1hr) sessions will allow consolidation of module content, providing the opportunity to focus on specific topics through group discussion, worksheets and web-based tasks.

#### **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

Week	Topic	Activity	Readings	Learning Outcomes
1	<u>Module 1: Structure and Orientation</u> Topic 1 – The Human body, an overview Topic 2 – Cellular Structure	Lecture Tutorial Workshop	Ch. 1 & 3	1,2,3,4
2	Topic 3 – Types of Tissues Topic 4 – Basic Anatomical Terminology	Lecture Tutorial Workshop	Ch.1 & 4	1,2,3,4
3	<u>Module 2: Support and Movement</u> Topic 1 – The Integumentary System Topic 2 – The Skeletal System  <b>QUIZ 1 on Module 1</b>	Lecture Tutorial Workshop	Ch. 5, 6 & 7	1,2,3,4
4	Topic 3 – Joints and Movement Topic 4 – Muscular Tissues	Lecture Tutorial Workshop	Ch. 8, 9 & 10	1,2,3,4
5	<u>Module 3: Control and Integration</u> Topic 1 – Nerve Tissue Topic 2 – The Central Nervous System  <b>QUIZ 2 on Module 2</b>	Lecture Tutorial Workshop	Ch. 11 & 12	1,2,3,4
6	Topic 3 – The Peripheral Nervous System Topic 4 – The Endocrine System	Lecture Tutorial Workshop	Ch. 13, 14, 15 & 16 Revise Modules 1 to 3	1,2,3,4
7	<u>Module 4: Maintenance I</u> Topic 1 – The Circulatory System Topic 2 – The Lymphatic System  <b>MID-TRIMESTER EXAMINATION on Modules 1 to 3</b>	Lecture Tutorial Workshop	Ch. 17, 18, 19 & 20	1,2,3,4
8	Topic 3 – Inflammation and Repair Topic 4 – The Immune System	Lecture Tutorial Workshop	Ch. 21	1,2,3,4
9	<u>Module 5: Maintenance II</u> Topic 1 – The Respiratory System Topic 2 – The Digestive System  <b>QUIZ 3 on Module 4</b>	Lecture Tutorial Workshop	Ch. 22 & 23	1,2,3,4

10	Topic 3 – Accessory Organs of the Digestive System Topic 4 – The Urinary System	Lecture Tutorial Workshop	Ch. 23 & 25	1,2,3,4
11	<u>Module 6: Continuity</u> Topic 1 – Sexual Reproduction Topic 2 – The Male Reproductive System  <b>QUIZ 4 on Module 5</b>	Lecture Tutorial Workshop	Ch. 27 & 28	1,2,3,4
12	Topic 3 – The Female Reproductive System Topic 4 – Embryonic Development  <b>RESEARCH ASSIGNMENT DUE</b>	Lecture Tutorial Workshop	Ch. 27 & 28 Revise Modules 1 to 3	1,2,3,4

## 5. Assessment Plan

### 5.1 Assessment Summary

Item	Assessment Task	Weighting	Learning Outcomes	Due Date
1	Mid-trimester Quiz	30%	1, 2, 3, 4, 5	Week 7
2	Workshop Quizzes 1 - 4	20%	1, 2, 3, 4, 5	Weeks 3, 5, 9 and 11
3	Research Project: Written Assignment	10%	3, 4, 5, 6	Week 12
4	End of Trimester exam	40%	1, 2, 3, 4, 5	Week 13/14

### 5.2 Assessment Detail

The aims of the **examinations** are to assess comprehension of the Course material by answers to multiple choice, essay and problem-based questions.

The **mid-semester quiz** will assess your understanding of concepts presented in Learning Modules 1 to 3. The results of this assessment item will provide you with feedback about your performance, which can then be used to modify study habits and examination techniques, if necessary.

The **Workshop Quizzes** aim to assess retention and comprehension of Course material and to assist you in assimilating and consolidating Course material in a cumulative process with consistent feedback on progress. Workshop assessment will also encourage attendance, participation, teamwork, and ongoing learning.

The **Research Project** (Written Take-Home Assignment) will enable you to independently explore, critically evaluate and analyse selected aspects of human biology in more detail. The Research Assignment may also contain detailed instructions to encourage you to use innovative and original methods of problem-solving, or may ask you to explore the ethical and social issues behind specific aspects of biomedical research, human healthcare or modern medical technologies.

The **final exam** will assess your understanding of material covered in all of the Modules with an emphasis on Modules 4 to 6.

**NOTE: You are required to attend and participate in at least 3 of the 4 workshops and pass the workshop quizzes to pass this course.** Failure to attend an allocated workshop will result in non-attendance being recorded and zero marks being allocated to the workshop quiz unless documentary evidence of medical or other extenuating circumstances is provided within 3 days of the date of the workshop quiz. Where satisfactory evidence is furnished, final attendance record and workshop quiz marks will be proportionately adjusted for the approved absence. You must participate in the workshop in order to sit the quiz at the end of class.

### 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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