



UNIVERSITY *of*  
TASMANIA

School of Medicine

Faculty of Health

---

**CHG105**  
**HUMAN BIOLOGY 1A**

Semester 1, 2015

Unit Outline

---

# CONTENTS

<b>WHAT IS THE UNIT ABOUT?</b>	<b>2</b>
UNIT DESCRIPTION*	2
INTENDED LEARNING OUTCOMES*	2
GRADUATE QUALITY STATEMENT	2
ALTERATIONS TO THE UNIT AS A RESULT OF STUDENT FEEDBACK*	3
PRIOR KNOWLEDGE &/OR SKILLS	4
<b>HOW WILL I BE ASSESSED?*</b>	<b>5</b>
ASSESSMENT SCHEDULE*	5
ASSESSMENT DETAILS*	5
HOW YOUR FINAL RESULT IS DETERMINED*	8
SUBMISSION OF ASSIGNMENTS*	9
ACADEMIC REFERENCING*	10
ACADEMIC MISCONDUCT*	11
<b>WHAT LEARNING OPPORTUNITIES ARE THERE?</b>	<b>12</b>
MYLO	12
RESOURCES	12
ACTIVITIES	13
COMMUNICATION	15
FURTHER INFORMATION AND ASSISTANCE	17
UNIT SCHEDULE	17

## WHAT IS THE UNIT ABOUT?

---

### Unit description\*

This unit builds a foundation for subsequent studies in biomedical and life sciences, in areas such as physiology, biochemistry, microbiology, immunology and zoology. It is studied jointly with pharmacy students enrolled in CHG111. Studies cover: (a) the basic facts and concepts relating to the human body's structural and functional organisation at different levels (cells, tissues, organs, systems), and the constituent regions, parts and organs of all the several body systems and their functional interactions; (b) the range of normal variation in human anatomy and physiology, including those aspects showing important developmental and functionally related changes and the variety of relationships between structure and function; and (c) anatomical and physiological terminology which enables students to discuss, orally or in writing, facts, concepts, problems and biomedical issues relating to the structural and functional organisation of the body. This unit covers topics in cell and tissue biology and in integumentary, musculoskeletal, nervous and endocrine systems.

### Intended Learning Outcomes\*

On completion of this unit, you will be able to:

1. Describe and explain the relationships between structure and function in the human body at different organisational levels.
2. Demonstrate an understanding of good scientific method and develop skills in data collection, interpretation, presentation and reporting.
3. Demonstrate a working knowledge of the correct biomedical terminology and use this to discuss topics relating to human biology.

### Graduate Quality Statement

Successful completion of this unit supports your development of course learning outcomes, which describe what a graduate of a course knows, understands and is able to do. Course learning outcomes are available from the Course Coordinator. Course learning outcomes are developed with reference to national discipline standards, Australian Qualifications Framework (AQF), any professional accreditation requirements and the University of Tasmania's Graduate Quality Statement.

The University of Tasmania experience unlocks the potential of individuals. Our graduates are equipped and inspired to shape and respond to the opportunities and challenges of the future as accomplished communicators, highly regarded professionals and culturally competent citizens in local, national, and global society. University of Tasmania graduates acquire subject and multidisciplinary knowledge and skills and develop creative and critical literacies and skills of inquiry. Our graduates recognise and critically evaluate issues of social responsibility, ethical conduct and sustainability. Through respect for diversity and by working in individual and collaborative ways, our graduates reflect the values of the University of Tasmania.

### Alterations to the unit as a result of student feedback\*

Human Biology in 2015 has undergone a number of changes in response to student feedback from the past several years:

This year the amount of content delivered in CHG105 has been reduced from 35 to around 30 lectures (lectures with new content), while revision/review lectures after one or more modules has been introduced to further support learning of the material;

Clearly defined module learning objectives are also being developed to improve the transparency of the expectations of students and these are being carefully aligned to the assessment tasks;

A new textbook has been assigned (Martini *et al.*, *Visual Anatomy & Physiology 2<sup>nd</sup> Edition*) that is more student-friendly and with content that is clear and concise;

Assessment has changed with the introduction of a 2<sup>nd</sup> in-semester test at the end of the semester (previously there was only 1 mid-semester test), while a group assignment and practical report sheets have been introduced to replace a practical report and the marking of practical books;

A redesigned timetable now allows for two extra tutorials during the semester, while practical times have been reduced (in most cases) from 3 hours to 2 hours to allow greater time for students to review and reflect upon their learning;

Where possible, in weeks where a written test occurs, tutorials are the only non-lecture teaching events scheduled to provide students with greater opportunity for assessment preparation (previously, practicals occurred during these weeks, reducing the amount of preparation time for the tests).

## Prior knowledge &/or skills

This unit assumes that students have already undertaken some science in the recent past and are familiar with a variety of basic scientific and mathematic concepts in biology, physics and chemistry including:

The chemical level of organisation including atoms, molecules, organic and inorganic compounds, chemical reactions and water;

and

Basic mathematical and arithmetic skills, including the creation of graphs, determination of means, standard deviations, etc..

Basic computing skills are also a requirement, particularly relating to word processing and use of the Internet.

## HOW WILL I BE ASSESSED?\*

### Assessment schedule\*

Assessment task	Date due	Percent weighting	Links to Intended Learning Outcomes
Assessment Task 1: Written Test 1	15/04/2015	15%	1,3
Assessment Task 2: Group Encyclopaedia Wiki Page	11/05/2015	10%	1,2,3
Assessment Task 3: Practical Reports	25/05/15	10%	1,2,3
Assessment Task 4: Written Test 2	27/05/2015	15%	1,3
End of Semester Written Exam	Exam Period	50%	1,3

### Assessment details\*

#### Assessment task 1 – Written Test 1

Task description	<p>Closed book written theory exam.</p> <p>This assessment task will test knowledge and understanding of concepts covered in Modules 1-3 (Cells, Tissues and Integumentary system). Questions may be based on any topic covered in lectures, tutorials and/or practical sessions.</p> <p>It will comprise multiple-choice and short answer questions.</p>
Assessment criteria	<p>Students will need to achieve a minimum of 50% in order to pass this assessment task and the result will contribute 15% to the final grade.</p>
Links to unit's intended learning outcomes	<p>Intended Learning Outcomes 1 and 3 (see above)</p>
Task length	<p>50 minutes</p>
Date due	<p><b>8.30am-9.20am Wednesday 15 April 2015</b> in the <b>Medical Sciences Precinct (MSP)</b>. Specific details of test locations will be released via an announcement on MyLO and during lectures.</p>

## Assessment task 2 – Group Encyclopaedia Wiki Page

Task description	<p>Students will work in groups of 3-4 and be assigned a specific cell-type to research and report on via a wiki page in the Encyclopaedia wiki. Each cell-type's wiki page will include information on:</p> <ul style="list-style-type: none"> <li>• The embryological origin of the cell type;</li> <li>• The tissue type that it is associated with and a short description of how it is maintained as part of that tissue;</li> <li>• The organ that it is commonly associated with (if appropriate);</li> <li>• The system that it is a component of;</li> <li>• Its structural features and the relationship between its structure and the function(s) that it performs;</li> <li>• An example of one (or more) pathological processes that are associated with this cell type;</li> <li>• Appropriate referencing and a reference list for the information provided above.</li> </ul>
Assessment criteria	<p>Guidelines and Assessment criteria for the Group Encyclopaedia Wiki Page can be found on MyLO.</p> <p>Unless otherwise advised by the unit coordinator, all students within the group will receive the same grade for this assessment task.</p> <p>This assessment task will contribute 10% toward your final grade.</p>
Links to unit's intended learning outcomes	Intended Learning Outcomes 1, 2 and 3
Task length	500-750 words
Date due	Monday 11 May 2015 5pm. All access to modify the wiki pages will be removed at this time.

## Assessment task 3 – Practical Reports

Task description	<p>A short (1-2 page) practical report will need to be completed for each practical (7 in total) and submitted via MyLO's Dropbox. Each practical report that needs to be completed will be released into the MyLO "Practical Reports" folder soon after the last</p>
------------------	---

	<p>practical for that week and will need to be submitted via the CHG105 MyLO Dropbox by 5pm on the following Monday.</p> <p>The practical report may contain questions answered during the practical class, and submission and/or annotation of images taken during the practical class or from the textbook. Students working in groups during the practical classes are encouraged to share any resources they generate (images they take of the anatomical models, of themselves or via the Digital Slidebox). Annotations can be made in Word (available to students via the University's Office 365 programme).</p> <p>Submissions may be saved as either Word (.docx) or Portable Document Format (.pdf) and uploaded onto the Dropbox.</p> <p>After submission of the final Practical Report, two (2) of the Practicals will be randomly chosen and graded.</p>
Assessment criteria	<p>Guidelines and Assessment criteria for the Practical Reports can be found on MyLO.</p> <p>Each of the two (2) Practical Reports graded will contribute 5%; therefore this assessment task will contribute 10% toward your final grade.</p>
Links to unit's intended learning outcomes	Intended Learning Outcomes 1, 2 and 3
Task length	1-2 pages per practical report; 7 practical reports in total.
Date due	<p>Practical Report 1 – due date Monday 23/3/15 at 5pm</p> <p>Practical Report 2 – due date Monday 30/3/15 at 5pm</p> <p>Practical Report 3 – due date Monday 13/4/15 at 5pm</p> <p>Practical Report 4 – due date Monday 27/4/15 at 5pm</p> <p>Practical Report 5 – due date Monday 4/5/15 at 5pm</p> <p>Practical Report 6 – due date Monday 18/5/15 at 5pm</p> <p>Practical Report 7 – due date Monday 25/5/15 at 5pm</p>

#### Assessment task 4 – Written Test 2

Task description	<p>Closed book written theory exam.</p> <p>This assessment task will test knowledge and understanding of concepts covered in Modules 4-8 (Skeletal, Muscular, Nervous, Blood and Immunity and Endocrine systems). Questions may be based on any topic covered in lectures, tutorials and/or practical sessions.</p>
------------------	---



	It will comprise multiple-choice and short answer questions.
Assessment criteria	Students will need to achieve a minimum of 50% in order to pass this assessment task and the result will contribute 15% to the final grade.
Links to unit's intended learning outcomes	Intended Learning Outcomes 1 and 3 (see above)
Task length	50 minutes
Date due	<b>8.30am-9.20am Wednesday 27 May 2015</b> in the <b><u>Sandy Bay Campus</u></b> . Specific details of test locations will be released via an announcement on MyLO and during lectures.

### Final Exam

Description / conditions	Semester 1 End of Semester Exam is a closed book, written exam. It is 3 hours long and consists of multiple choice and short answer questions. Questions can be based on any of the topics discussed in lectures, tutorials or practical sessions.
Assessment criteria	This assessment task requires a 50% mark to pass and will contribute 50% to the final mark for the purpose of allocating a grade for the unit.
Links to unit's intended learning outcomes	Intended Learning Outcomes, 1 and 3
Duration	3 hours (plus reading time)
Date	The final exam is conducted by the Student Centre in the formal examination period. See the <a href="#">Examinations and Results</a> page on the University's website, or access your personal exams timetable by logging into the <a href="#">eStudent Centre - Personal Exams Timetable</a> for specific date, time and location closer to the examination period.

### How your final result is determined\*

Integral to successful completion of this unit is attainment of each of the intended learning outcomes (ILOs). Therefore, in addition to a total, averaged final grade, your performance against each of the ILOs will be assessed separately. To be eligible to pass the unit, you will need to attain an overall pass (50%) for the unit and to pass each ILO. This means, that in order to pass this unit, you will need to achieve an overall pass (50%) PLUS have achieved an average of 50% or greater for Assessment Tasks 2

and 3 (Group Encyclopaedia and Practical Reports). Any student who attains an overall passing grade for the unit but who has failed one ILO will be given a supplementary assessment opportunity to demonstrate their attainment of the relevant ILO.

### Submission of assignments\*

Practical Reports to be completed can be obtained via the Practical Reports folder on the CHG105 MyLO site and must be submitted as either word document files (e.g. .doc or .docx) or portable document format (.pdf) in the appropriate Dropbox folder by no later than 5pm on the due date.

### Requests for extensions

All requests for extensions for assignments must be made by email to Dr Chapman. Extensions should be requested at least five working days prior to the submission date. Any request must include an explanation of the reason for the extension. Related documentation must be provided at the request of the unit coordinator.

Work commitments are not normally a legitimate reason for extension. You should contact your unit coordinator about extenuating circumstances and provide formal documentation such as a medical certificate or a counsellor's letter with applications. In some circumstances, a statutory declaration will be requested.

### Penalties\*

Uniform penalties apply across the School for the late submission of assignments that count towards the final mark/grade of the unit.

#### **Lateness      % achieved mark deducted**

<48 hours	10%
3-7 days	20%
8-14 days	40%
>14 days	80%

Tasks that have not been submitted by the day of the End of Semester Exam will receive a grade of zero.

### Review of results and appeals

The School of Medicine has no special policies or procedures for the review of results and appeals. It follows the procedures and policies detailed in Ordinance 8–Student Complaints. Before making a formal complaint, however, students are asked to try to

resolve their problem informally with the relevant lecturer, the unit coordinator (Dr Jamie Chapman) or the discipline head (Dr Adele Holloway), as appropriate.

## Academic referencing\*

In your written work you will need to support your ideas by referring to scholarly literature, works of art and/or inventions. It is important that you understand how to correctly refer to the work of others, and how to maintain academic integrity.

Failure to appropriately acknowledge the ideas of others constitutes academic dishonesty (plagiarism), a matter considered by the University of Tasmania as a serious offence.

The appropriate referencing style for this unit is **Vancouver** system.

The [University library provides information on presentation of assignments, including referencing styles](#) and should be referred to when completing tasks in this unit. For the Vancouver style, please see the following link:

<http://utas.libguides.com/content.php?pid=27520&sid=199823>

Please read the following statement on plagiarism. Should you require clarification please see your unit coordinator or lecturer.

### Plagiarism

Plagiarism is a form of cheating. It is taking and using someone else's thoughts, writings or inventions and representing them as your own; for example, using an author's words without putting them in quotation marks and citing the source, using an author's ideas without proper acknowledgment and citation, copying another student's work.

If you have any doubts about how to refer to the work of others in your assignments, please consult your lecturer or tutor for relevant referencing guidelines. You may also find the [Academic Honesty site on MyLO](#) of assistance.

The intentional copying of someone else's work as one's own is a serious offence punishable by penalties that may range from a fine or deduction/cancellation of marks and, in the most serious of cases, to exclusion from a unit, a course or the University.

**The University and any persons authorised by the University may submit your assessable works to a plagiarism checking service, to obtain a report on possible instances of plagiarism. Assessable works may also be included in a reference database. It is a condition of this arrangement that the original author's permission is required before a work within the database can be viewed.**

For further information on this statement and general referencing guidelines, see the [Plagiarism and Academic Integrity](#) page on the University web site or the [Academic Honesty](#) site on MyLO.

### Academic misconduct\*

Academic misconduct includes cheating, plagiarism, allowing another student to copy work for an assignment or an examination, and any other conduct by which a student:

- a. seeks to gain, for themselves or for any other person, any academic advantage or advancement to which they or that other person are not entitled; or
- b. improperly disadvantages any other student.

Students engaging in any form of academic misconduct may be dealt with under the Ordinance of Student Discipline, and this can include imposition of penalties that range from a deduction/cancellation of marks to exclusion from a unit or the University. Details of penalties that can be imposed are available in [Ordinance 9: Student Discipline](#) – Part 3 Academic Misconduct.

## WHAT LEARNING OPPORTUNITIES ARE THERE?

---

### MyLO

MyLO is the online learning environment at the University of Tasmania. This is the system that will host the online learning materials and activities for this unit. MyLO will form the gateway for interaction in this unit: interaction between students and the unit coordinator and other lecturers/tutors; interaction between students and their peers; and interaction between students and the content delivered in this unit.

MyLO will house the unit's repository of the unit outline, lecture notes (if applicable), tutorial questions, practical notes, practice (formative) quizzes and discussion forum. It will also be where Practical Reports will be submitted (via the Dropbox) and Grades may be made available. There will be links to the unit's lecture recordings, online learning resources, important University student support sites and other sites of interest.

### Getting help with MyLO

It is important that you are able to access and use MyLO as part of your study in this unit. To find out more about the features and functions of MyLO, and to practice using them, visit the [Getting Started in MyLO unit](#).

For access to information about MyLO and a range of step-by-step guides in pdf, word and video format, visit the [MyLO Student Support page](#) on the University website.

If something is not working as it should, [contact the Service](#)

[Desk \(Service.Desk@utas.edu.au, phone 6226 1818\)](mailto:Service.Desk@utas.edu.au), or [Request IT Help Online](#).

### Resources

#### Required readings

You will need the following text [available from the Co-op Bookshop]:

Visual Anatomy & Physiology 2<sup>nd</sup> Edition (Global Edition) by Martini, F.H., Ober, W.C., Nath, J.L., Bartholomew, E.F., and Petti, K. (2015).

#### Equipment, materials, software, accounts

Human Biology Unit Manual, University of Tasmania, 2015. (This will be provided to you in one of your early practical sessions).

Students will be encouraged to participate in the practicals by using their mobile devices (phones, tablets, laptops) to take photographs of themselves or the anatomical models or by using the "snapshot" feature on the virtual microscopy software Digital Slidebox, annotate them and include them in their practical notes. Therefore, students are encouraged to bring their mobile devices to practical classes (and use them

appropriately). A limited number of laptops will be provided during most practical classes.

In several instances, lectures may be provided via an entirely self-directed online learning resource – during the face-to-face time to support this self-directed learning, students are encouraged to bring their laptops and/or tablets to actively participate in the activities scheduled during these times.

While laboratory coats and safety glasses are provided, you may wish to purchase your own.

Fully enclosed shoes are required at all times while within the laboratory.

## Activities

### Learning expectations

The University is committed to high standards of professional conduct in all activities, and holds its commitment and responsibilities to its students as being of paramount importance. Likewise, it holds expectations about the responsibilities students have as they pursue their studies within the special environment the University offers.

The University's Code of Conduct for Teaching and Learning states:

**Students are expected to participate actively and positively in the teaching/learning environment. They must attend classes when and as required, strive to maintain steady progress within the subject or unit framework, comply with workload expectations, and submit required work on time.**

### Details of teaching arrangements\*

#### *Lectures*

All lectures are held at the Sandy Bay Campus. Lecture theatres vary:

Monday 2pm in Chemistry Lecture Theatre LT2 (Chemistry Building, Room 210)

Tuesday 2pm Chemistry Lecture Theatre LT2 (Chemistry Building, Room 210)

Wednesday 9am Physics Lecture Theatre LT2 (Physics Building, Room 212)

A general weekly timetable is available online in the course MyLO site.

## ***Practicals/Tutorials***

ALL non-lecture teaching events are held within the Medical Sciences Precinct (MSP) in the city (17 Liverpool Street, Hobart); either Medical Sciences 1 building (MS1) or Medical Sciences 2 building (MS2). Students will be allocated to tutorial groups during the first few weeks of semester. A detailed timetable of the practical and tutorial classes for each tutorial group will be available on MyLO.

There are 4 repeat practicals/tutorials per week, beginning in week 4 and finishing in week 13.

In general CHG105 students can expect to be allocated to one of the following practical times:

Mondays 3.30-5.30pm Medical Science Precinct (MSP) (Tutorial groups A-C)

Tuesdays 3.30-5.30pm MSP (Tutorial groups G-I)

In general CHG111 students can expect to be allocated to one of the following practical times:

Tuesdays 9.00-11.00am MSP (Tutorial groups D-F)

Wednesdays 3.30-5.30pm MSP (Tutorial groups J-L)

There may be limited availability for students to be allocated to one of the different times above and this will need to be organised with the unit coordinator.

## **Specific attendance/performance requirements\***

Attendance at all lectures, tutorials and practicals is strongly encouraged. Students who fail to attend at least 75% of the semester's scheduled practicals may receive a failing grade for this unit. Attendance will be recorded at practicals by the tutors and by submission of the Practical Reports. Medical certificates covering any absences should be lodged either electronically to the unit coordinator or with the Medical School reception (ground floor, MS1). Extended or otherwise unusual absences should be discussed as soon as possible with Dr. Chapman. Students are expected to make alternative arrangements, when necessary, in order to participate in all practical exercises. It is each student's responsibility to make up whatever work is missed during an absence.

## **Teaching and learning strategies**

A wide range of teaching and learning strategies will be used during the unit. These include face-to-face teaching (lectures, practical and tutorials) with audiovisual capture of lectures, on-line material, class, group and individual activities and self-directed learning. If you need assistance in preparing for study please refer to your

tutor or lecturer. For additional information refer to the Learning Development website: <http://www.utas.edu.au/student-learning/>

### ***Peer Assisted Study Sessions (PASS)***

Peer Assisted Study Sessions (PASS) offers free, weekly 50-minute group study sessions to all students studying in this unit. In sessions, you are supported to work with others to revise the course content and develop your study techniques in a relaxed and friendly environment. Each session is planned and supported by a senior student, a PASS Leader, who has successfully completed this unit in the last few years and has received training on how to help you learn. Attending PASS is great way to meet others in your subject and offers an enjoyable way to study. Whether you are aiming to pass the unit or receive a CR, DN or HD, PASS is for you. PASS is part of an internationally accredited program that is offered at over 1500 universities worldwide. Evaluation of the program shows that students who attend PASS regularly often do better.

At the end of your first year, there is also the opportunity to apply become a PASS Leader for the following year. Application are invited from late August and open to all students who have received a DN or above in the unit.

To view the session times, or find out more about PASS, visit: [www.utas.edu.au/pass](http://www.utas.edu.au/pass)

### **Work Health and Safety (WHS)**

The University is committed to providing a safe and secure teaching and learning environment. In addition to specific requirements of this unit you should refer to the University's [Work Health and Safety website](#) and policy.

Laboratory coats and fully-enclosed shoes are a requirement of entry into the practical teaching laboratories in the Medical Sciences buildings. Laboratory coats and safety glasses (when required) can be supplied, however, in the interest of safe hygiene practice, students are encouraged to purchase their own lab coat.

Students failing to comply with any of the safety requirements or not wearing the appropriate laboratory attire will be asked to leave the practical.

An online safety induction to the teaching laboratories will be provided on MyLO in the first few weeks of semester and students must have successfully completed it in order to be able to attend the practical classes from week 4 onwards.

### **Communication**

Most communication about the unit will be made by the unit coordinator via the MyLO News. Please ensure that in your MyLO Notifications settings (click on your name at the top right hand corner of the MyLO browser and select Notifications) you have selected to receive News Items as Instant Notifications. That way, you'll receive



an email anytime a new News item is posted (e.g. cancellation of a lecture at the last minute, last minute room change, etc.). Students will be expected to be aware of the content of such posts within 48 hours of them being posted.

Most teaching staff within the School of Medicine do not have offices that can be visited. Instead, students will need to email the relevant teaching staff member and request a meeting. The staff member will then correspond with the student about an appropriate time and location for a meeting. As most teaching staff in Human Biology are located in the Medical Sciences buildings, meetings are almost always held in a meeting room in either the MS1 or MS2 buildings.

Other communications may occur during the lectures, practicals or tutorials, however, these are usually reiterations or reminders of the posts on the MyLO News.

A FAQ guide has been developed for students about the more frequently asked questions that I get asked during semester. This can be found in the Welcome folder on MyLO.

If there is a question about the unit, or assessment, that has not been addressed in the descriptions here in the Unit Outline, or in the instructions on MyLO, please post it on the Discussion Forum in the “Discussion Area for Unit Questions” in the area specifically relating to that assessment task. Questions will be responded to within the same discussion within 72 hours.

Other areas for communication exist within the Discussion Forum so please explore these.

## Feedback

Feedback is very important for development and improvement – not only of you as a student but also to us as lecturers, to myself as unit coordinator and to the improvement of this unit. There will be a number of ways in which feedback will take place – informal feedback will take place anytime you undertake a formative quiz, or ask a question during class. You may not recognise it as feedback because it’s not red marks on a paper but it is feedback just the same – every time you ask a question and have it answered, you are gaining feedback on your understanding. More formal feedback will take place when students receive grades and marked assignments.

Your feedback about the unit can be informal through a posting on the Discussion Forum, or via an email or just having a chat about what you think is or isn’t working with myself or your tutor or lecturer. Formal feedback is sought at the end of semester through the eVALUate process – I would ask that you please take this seriously and don’t just ignore the eVALUate email when you receive it in your inbox. Please take a few minutes to fill it out so we can improve as well. Tell us what you liked or what can be improved. If something is terribly bothering you, however, please don’t leave it to the eVALUate form, please contact me and we can have a chat. I can’t do anything about whatever is bothering you if I read about it a month later in the eVALUate

result. Many of the negative written comments I receive about a unit are often misconceptions that could have easily been cleared up with a discussion, or, were something that I had been completely unaware of until that feedback.

### Further information and assistance

If you are experiencing difficulties with your studies or assignments, have personal or life-planning issues, disability or illness which may affect your course of study, you are advised to raise these with the unit coordinator in the first instance.

There is a range of University-wide support services available to you including [Student Learning Support](#), [Student Advisers](#), [Disability Services](#), and more which can be found on the [Student Support and Development](#) page of the University website.

Should you require assistance in accessing the [Library](#), [visit their website](#) for more information.

### Unit schedule

WEEK	DATE BEGINNING	TOPIC/ MODULE/ FOCUS AREA	ACTIVITIES	RESOURCES/ READINGS/ FURTHER INFORMATION
1	23/2/15	Introduction, Overview and Module 1: Cells	Lecture 1: Introduction to Human Biology Lecture 2: Levels of organisation in Human Biology Lecture 3: Overview of cells and the cell membrane	Chapters 1 and 3 of Visual Anatomy & Physiology
2	2/3/15	Module 1: Cells	Lecture 4: Nucleus and Ribosomes Lecture 5: ER and Golgi Apparatus Lecture 6: Mitochondria and cellular metabolism Practical 0: Introduction to the labs and tutors	Chapter 3 of Visual Anatomy & Physiology
3	10/3/15	Module 1: Cells	Lecture 7: Cytoskeleton and Cell Division Lecture 8: Mitosis, Meiosis and Cell Cycle	Chapter 3 of Visual Anatomy & Physiology
4	16/3/15	Module 2: Tissues	Lectures 9/10: Self-directed Online Resources (Overview of Tissues and Epithelial Tissue) Lecture 11: Analysis, synthesis and evaluation of overview of tissues, and epithelial tissue	Chapter 4 of Visual Anatomy & Physiology

			<p>Practical 1: Introduction to Histology and Cell Biology</p> <p>Tutorial 1: Cell Biology Tutorial</p>	
5	23/3/15	Module 2: Tissues	<p>Lectures 12/13: Self-directed Online Resources (Connective, Muscle and Nervous Tissues)</p> <p>Lecture 14: Analysis, synthesis and evaluation of Connective, Muscle and Nervous Tissues</p> <p>Practical: Diffusion, Osmosis and Membrane Permeability</p>	Chapter 4 of Visual Anatomy & Physiology
6	30/3/15	<p>Module 3: Integumentary system</p> <p>Module 4: Skeletal System</p>	<p>Lecture 15: Layers, Tissues and Cells of the Skin</p> <p>Lecture 16: Accessory structures and function of the skin</p> <p>Lecture 17: Cartilage and Bone tissue</p>	<p>Chapter 5 of Visual Anatomy &amp; Physiology</p> <p>Chapter 4, Section 4.12 and 4.13 and Chapter 6, Sections 6.3-6.5 of Visual Anatomy &amp; Physiology</p>
Mid-semester break (move to appropriate time)				
7	13/4/15	Module 4: Skeletal System	<p>Lecture 18: Anatomy of Bones and Joints</p> <p>Lecture 19: Growth and Homeostasis of Bones</p> <p>Tutorial 2: Tissue and Skin Biology Tutorial</p> <p>Assessment Task 1 – Test 1</p>	Chapters 6 and 8 of Visual Anatomy & Physiology
8	20/4/15	Module 5: Muscular System	<p>Lecture 20: Muscle Groups and their functions</p> <p>Lecture 21: Molecular Mechanisms of Muscle Contraction</p> <p>Lecture 22: Review and revision of modules 3, 4 and 5</p> <p>Practical: Anatomical Body Painting</p>	Chapters 9 and 10 (Section 10.2-10.3) of Visual Anatomy & Physiology
9	27/4/15	Module 6: Nervous System	<p>Lecture 23: Neurons and neuroglia</p> <p>Lecture 24: Membrane Potentials</p> <p>Lecture 25: Action Potentials and Synapses</p> <p>Practical: Musculoskeletal System</p>	Chapter 11 of Visual Anatomy & Physiology
10	4/5/15	Module 7: Blood and Immunity	<p>Lecture 26: Blood cells and plasma</p> <p>Lecture 27: Blood groups and haemostasis</p>	Chapters 17 and 20 (Section 20.4) of Visual Anatomy & Physiology

			Lecture 28: Cells of the Immune System Tutorial: Musculoskeletal and Nervous System tutorial	
11	11/5/15	Module 7: Blood and Immunity	Lecture 29: Inflammation and Innate Immunity Lecture 30: Adaptive Immunity Lecture 31: Review and Revision of Module 7 Practical: Haematology	Chapter 20 of Visual Anatomy & Physiology
12	18/5/15	Module 8: Endocrine System	Lecture 32: Characteristics of endocrine cells Lecture 33: Pituitary gland/endocrine interactions Lecture 34: Thyroid and parathyroid glands Practical: Blood, Immune and Nervous System Practical Tutorial: Blood and Immunity tutorial	Chapter 16 of Visual Anatomy & Physiology
13	25/5/15	Module 8: Endocrine System	Lecture 35: Adrenal Gland and Endocrine Pancreas Lecture 36: End of Semester Review and Exam Information Tutorial: Endocrine System tutorial Assessment Task 4: Test 2	Chapter 16 of Visual Anatomy & Physiology



Except where otherwise noted, content on this page is licensed under a [Creative Commons Attribution-ShareAlike 4.0 International Licence](https://creativecommons.org/licenses/by-sa/4.0/)

Note: The open version of this document may have been altered from the original. Only pages on this site that display the CC licence and logo are licensed under a Creative Commons licence.

#### Attribution information

Title: Unit Outline: Human Biology 1A – Open Version

Source: <http://www.utas.edu.au/health/engage/uni-view-school-of-medicine/resources/courses/psychology/learning-activity-implicit-attitudes>

Author: Dr Jamie Chapman