



# BMSC12013 *Nutritional Physiology*

## Term 1 - 2024

Profile information current as at 29/07/2024 03:30 pm

All details in this unit profile for BMSC12013 have been officially approved by CQU University and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

## General Information

### Overview

This unit expands on your existing knowledge on physiology to explore the physiological aspects of nutrition in human health. In this unit, you will develop further knowledge of the gastrointestinal system and its role in the digestion and absorption of food and nutrients. You will learn about the physiological mechanisms that control appetite and thirst and related health issues. You will learn about the nutrient and energy requirements and evaluate related pathophysiological conditions in different population groups. You will apply your knowledge of nutritional physiology in a professional manner to discuss issues in nutrition and how they impact human health.

### Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

### Pre-requisites or Co-requisites

Pre-Requisite: BMSC11001 Human Body Systems 1 or BMSC11007 Medical Anatomy and Physiology 1 or BMSC11010 Human Anatomy and Physiology 1 AND BMSC11002 Human Body Systems 2 or BMSC11008 Medical Anatomy and Physiology 2 or BMSC11011 Human Anatomy and Physiology 2.

Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the [Assessment Policy and Procedure \(Higher Education Coursework\)](#).

### Offerings For Term 1 - 2024

- Online

### Attendance Requirements

All on-campus students are expected to attend scheduled classes - in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

### Website

[This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.](#)

## Class and Assessment Overview

### Recommended Student Time Commitment

Each 6-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 12.5 hours of study per week, making a total of 150 hours for the unit.

### Class Timetable

#### [Regional Campuses](#)

Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

#### [Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

### Assessment Overview

#### 1. **Written Assessment**

Weighting: 30%

#### 2. **Group Work**

Weighting: 20%

#### 3. **Online Test**

Weighting: 50%

### Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the [University's Grades and Results Policy](#) for more details of interim results and final grades.

## CQUniversity Policies

**All University policies are available on the [CQUniversity Policy site](#).**

You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the [CQUniversity Policy site](#).

## Previous Student Feedback

### Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

#### Feedback from SUTE Unit comments.

**Feedback**

Clarification on assignment requirements especially group activities helps.

**Recommendation**

Consider reviewing assessment task requirements and providing further clarification in assessment tutorials.

#### Feedback from SUTE Unit comments & Unit Coordinator self-reflection.

**Feedback**

Lecture videos and learning materials could be more engaging.

**Recommendation**

The unit's weekly content and their delivery will be reviewed and changes to structure may be applied if needed.

## Unit Learning Outcomes

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

1. Analyse the role of the gastrointestinal system in digestion, absorption and metabolism of nutrients
2. Analyse the physiological processes underpinning appetite and thirst in health
3. Evaluate and relate nutritionally related pathophysiological conditions in population groups
4. Demonstrate effective communication and cultural competency relevant to nutrition
5. Critique contemporary issues in nutrition and impact on human physiology.

## Alignment of Learning Outcomes, Assessment and Graduate Attributes



### Alignment of Assessment Tasks to Learning Outcomes

| Assessment Tasks             | Learning Outcomes |   |   |   |   |
|------------------------------|-------------------|---|---|---|---|
|                              | 1                 | 2 | 3 | 4 | 5 |
| 1 - Written Assessment - 30% |                   | • |   |   | • |
| 2 - Group Work - 20%         |                   |   | • | • | • |
| 3 - Online Test - 50%        | •                 | • | • |   |   |

### Alignment of Graduate Attributes to Learning Outcomes

| Graduate Attributes                                 | Learning Outcomes |   |   |   |   |
|---|-------------------|---|---|---|---|
|   | 1                 | 2 | 3 | 4 | 5 |
| 1 - Communication                                   |                   |   | • | • | • |
| 2 - Problem Solving                                 |                   |   |   |   |   |
| 3 - Critical Thinking                               | •                 | • | • |   | • |
| 4 - Information Literacy                            |                   |   |   |   |   |
| 5 - Team Work                                       |                   |   |   |   |   |
| 6 - Information Technology Competence               |                   |   |   |   |   |
| 7 - Cross Cultural Competence                       |                   |   | • | • | • |
| 8 - Ethical practice                                |                   |   |   | • |   |
| 9 - Social Innovation                               |                   |   |   |   |   |
| 10 - Aboriginal and Torres Strait Islander Cultures |                   |   |   |   |   |

## Textbooks and Resources

### Textbooks

BMSC12013

#### Prescribed

#### **UNDERSTANDING NUTRITION**

Edition: Fifth (2023)

Authors: Eleanor Noss Whitney, Sharon Rady Rolfes, Tim Crowe and Adam Walsh

Cengage Learning Australia

Victoria , Australia

ISBN: 9780170424431

Binding: Paperback

[View textbooks at the CQUniversity Bookshop](#)

### IT Resources

**You will need access to the following IT resources:**

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)

## Referencing Style

**All submissions for this unit must use the referencing styles below:**

- [Harvard \(author-date\)](#)
- [American Psychological Association 7th Edition \(APA 7th edition\)](#)

For further information, see the Assessment Tasks.

## Teaching Contacts

**Saman Khalesi** Unit Coordinator

[s.khalesi@cqu.edu.au](mailto:s.khalesi@cqu.edu.au)

## Schedule

### Week 1 - 04 Mar 2024

| Module/Topic                        | Chapter   | Events and Submissions/Topic   |
|-------------------------------------|---|--|
| An Overview of Nutrition Metabolism | Chapter 1: pp 7-10, 17-21, 29-30<br>Chapter 7: pp 214-241 | Tutorial: discussion of week 1 learning activities (online Zoom session, details will be provided on the unit Moodle page) |

### Week 2 - 11 Mar 2024

| Module/Topic                          | Chapter   | Events and Submissions/Topic   |
|---------------------------------------|---|--|
| Regulation of Weight, Hunger & Thirst | Chapter 8: pp 254-259, 274-275<br>Chapter 9: pp 291-293<br>Chapter 12: pp 410-412 | Tutorial: discussion of week 2 learning activities (online Zoom session, details will be provided on the unit Moodle page) |

### Week 3 - 18 Mar 2024

| Module/Topic | Chapter | Events and Submissions/Topic |
|--------------|---------|------------------------------|
|--------------|---------|------------------------------|

|                                   |                     |  |
|-----------------------------------|---------------------|--|
| Digestion, Absorption & Transport | Chapter 3: pp 67-93 | Tutorial: discussion of week 3 learning activities (online Zoom session, details will be provided on the unit Moodle page) |
|-----------------------------------|---------------------|--|

**Week 4 - 25 Mar 2024**

| Module/Topic  | Chapter                                | Events and Submissions/Topic   |
|---|--|--|
| The Carbohydrates: Sugars, Starches & Dietary Fibre | Chapter 4: pp 96-116, 120-123, 126-127 | Tutorial: discussion of week 4 learning activities (online Zoom session, details will be provided on the unit Moodle page) |

**Week 5 - 01 Apr 2024**

| Module/Topic                                       | Chapter                        | Events and Submissions/Topic   |
|--|--------------------------------|--|
| The Lipids: Triglycerides, Phospholipids & Sterols | Chapter 5: pp 135-159, 166-167 | Tutorial: discussion of week 5 learning activities (online Zoom session, details will be provided on the unit Moodle page) |

**Vacation Week - 08 Apr 2024**

| Module/Topic         | Chapter | Events and Submissions/Topic |
|----------------------|---------|------------------------------|
| NO LECTURE THIS WEEK |         | NO ZOOM TUTORIAL THIS WEEK   |

**Week 6 - 15 Apr 2024**

| Module/Topic         | Chapter                                 | Events and Submissions/Topic   |
|----------------------|---|--|
| Protein: Amino Acids | Chapter 6: pp 177-196, 198-200, 203-204 | Tutorial: discussion of week 6 learning activities (online Zoom session, details will be provided on the unit Moodle page) |

**Case Study** Due: Week 6 Monday (15 Apr 2024) 11:59 pm AEST

**Week 7 - 22 Apr 2024**

| Module/Topic               | Chapter                | Events and Submissions/Topic   |
|----------------------------|------------------------|--|
| The Water-Soluble Vitamins | Chapter 10: pp 330-369 | Tutorial: discussion of week 7 learning activities (online Zoom session, details will be provided on the unit Moodle page) |

**Week 8 - 29 Apr 2024**

| Module/Topic             | Chapter                | Events and Submissions/Topic   |
|--------------------------|------------------------|--|
| The Fat-Soluble Vitamins | Chapter 11: pp 377-400 | Tutorial: discussion of week 8 learning activities (online Zoom session, details will be provided on the unit Moodle page) |

**Week 9 - 06 May 2024**

| Module/Topic          | Chapter                         | Events and Submissions/Topic   |
|-----------------------|---------------------------------|--|
| Water & Fluid Balance | Chapter 12: pp 406-419, 442-443 | Tutorial: discussion of week 9 learning activities (online Zoom session, details will be provided on the unit Moodle page) |

**Week 10 - 13 May 2024**

| Module/Topic       | Chapter                | Events and Submissions/Topic  |
|--------------------|------------------------|---|
| The Major Minerals | Chapter 12: pp 419-450 | Tutorial: discussion of week 10 learning activities (online Zoom session, details will be provided on the unit Moodle page) |

**Week 11 - 20 May 2024**

| Module/Topic       | Chapter                | Events and Submissions/Topic   |
|--------------------|------------------------|--|
| The Trace Minerals | Chapter 13: pp 452-481 | Tutorial: discussion of week 11 learning activities (online Zoom session, details will be provided on the unit Moodle page)<br><br><b>GROUP WORK</b> Due: Week 11 Monday (20 May 2024) 11:59 pm AEST |

**Week 12 - 27 May 2024**

| Module/Topic | Chapter | Events and Submissions/Topic                                      |
|--------------|---------|---|
| Review week  |         | <b>ONLINE TEST</b> Due: Week 12 Friday (31 May 2024) 5:00 pm AEST |

**Review/Exam Week - 03 Jun 2024**

| Module/Topic | Chapter | Events and Submissions/Topic |
|--------------|---------|------------------------------|
|--------------|---------|------------------------------|

**Exam Week - 10 Jun 2024**

| Module/Topic | Chapter | Events and Submissions/Topic |
|--------------|---------|------------------------------|
|--------------|---------|------------------------------|

## Term Specific Information

Your Unit Coordinator this term is [Dr Saman Khalesi](#). Saman can be contacted via the Unit Moodle forum or via email ([s.khalesi@cqu.edu.au](mailto:s.khalesi@cqu.edu.au)).

### **The Unit and Learning Content:**

The Learning Content has been divided into eleven (11) main topics on the anatomy and physiology of digestion, absorption, metabolism and transport of nutrients, the health effects of different nutrients, regulation of thirst and hunger, gut microbiome, and the pathophysiology of nutrition-related diseases. The learning materials for each week are located within the weekly tiles. The following information and links will be provided for each week:

- Weekly Learning Booklet
- Weekly Online tutorial(s)
- Additional weekly reading materials

### **Learning Booklet:**

For each teaching week (weeks 1-11), you will have a "Learning Booklet" accessible through the weekly tiles. They contain the learning materials for the week, including descriptions, short lectures, examples, learning activities, discussion topics, and links to additional reading materials to complement your learning. These learning booklets are to "supplement" your Textbook not to replace them.

### **Tutorial Sessions:**

Throughout the term (weeks 1-11), Zoom tutorial sessions will be held online only. The day and time of these weekly tutorials will be advised on the unit Moodle site. Weekly tutorials will provide you with an opportunity to ask questions relevant to learning outcomes, assessment tasks or weekly learning content, and to revise weekly learning activities. All Zoom tutorial sessions will be recorded to enable all students to view the content if they are unable to attend the live tutorial. If you have never used Zoom before, please review the Zoom information provided in the Moodle Help for Students in the Support menu on Moodle.

### **Unit Assessment Guide:**

The Unit Assessment Guide has been developed to provide a comprehensive overview of the assessment tasks for the unit. This guide is available in the Assessment tile in the unit Moodle site. For each assessment task, a recorded guide and a dedicated Q&A forum are also available on the Moodle site to help with understanding assessment requirements and answering relevant questions.

### **Student Communications:**

Discussion of nutrition topics is integral to understanding and communicating the depth and breadth of nutrition issues in different populations. Open discussion is important. However, it is expected that you will ALWAYS weigh up the evidence (from reputable sources only), and respect the right of every student to have an opinion, even if it differs from your own. Please respect your fellow peers and always maintain a polite, respectful dialogue, and communicate in a professional manner at all times.

Throughout the term, all NON-PERSONAL communications between students and the Unit Coordinators (for example, questions relating to assessment tasks, due dates, learning activities etc.) must be conducted via the relevant forums in the unit Moodle site. Any PERSONAL communications (personal illness, life events) should be held with the Unit Coordinators via email or telephone. All emails must include your name, contact details, the unit code and a brief message that clearly outlines your question/communication.

All requests for extensions on assessment task due dates must be made via the Assessment Extension Request (AER) system in Moodle.

## Assessment Tasks

### 1 Case Study

#### **Assessment Type**

Written Assessment

#### **Task Description**

You are required to critically evaluate the case below and submit a case study report of 1500 words +/- 10%.



**Case study for this assessment:**

Jo is a 40-year-old woman living in a regional area of Northern Queensland. Her recent blood test and anthropometric measures are as below:

|  |                      |
|--|----------------------|
| Waist Circumference                          | 105 cm               |
| Blood pressure                               | 145/95 mmHg          |
| BMI  | 39 kg/m <sup>2</sup> |
| FBG (fasting blood glucose)                  | 6 mmol/L             |
| TG (triglyceride)                            | 2.2 mmol/L           |
| HDL-C (high-density lipoprotein cholesterol) | 1 mmol/L             |

She works at the local service station. Her diet and lifestyle routines are as below with not many day-to-day changes:

|                            |  |
|----------------------------|--|
| Diet (most days)           | Ham and cheese sandwich or pie from <u>local cafe</u>                    |
|                            | Sausage rolls from the servo she works in                                |
|                            | Burger and chips or fried chicken meal                                   |
|                            | Ready to cook meals (pie, pasta, lasagna) from the servo or grocery shop |
|                            | Coffee and coke with meals   |
| Diet habits                | <u>Smell of the food at the servo</u> is a trigger                       |
|                            | Doesn't have time to cook  |
|                            | Loves watching footy or a movie with hubby while eating their dinner     |
| Physical activity          | Walks to and from <u>workplace</u> (10 mins each way)                    |
| Other health complications | Often constipated  |
|                            | Feels weak and fatigued most times                                       |

You are required to critically evaluate Jo's health, dietary intake and habits, nutritional intake and potential deficiencies. You will need to provide applicable evidence-based dietary recommendations for managing and improving her nutritional intake and health.

**In your report, you are required to include all of the following sections:**

- **Section A):** Identify the best possible diagnosis based on her measurements and blood tests (hint: it is a cluster of conditions), define the condition, and explain relevant statistics and prevalence.
- **Section B):** Explain the physiological factors influencing the risk of heart disease and diabetes in this condition.
- **Section C):** Critically evaluate scientific literature and discuss how Jo's current diet contributes to the risk of her condition and poor health outcomes.
- **Section D):** Critically evaluate scientific literature and discuss what nutritional deficiencies Jo may have following her current diet and how they impact her overall health and wellbeing from a physiological point of view.
- **Section E):** Discuss applicable evidence-based dietary recommendations to help Jo improve her nutritional intake, improve health and manage her condition.

The scientific literature and evidence used for your arguments need to be cited under each section. Section headings and in-text references are included in the word count but the reference list under each section is not included in the word count.

**Assessment Due Date**

Week 6 Monday (15 Apr 2024) 11:59 pm AEST

**Return Date to Students**

Week 8 Tuesday (30 Apr 2024)

**Weighting**

30%

**Minimum mark or grade**

50%

**Assessment Criteria**

Marks for this assessment task will be awarded according to the marking criteria included in the unit Assessment Guide. Accordingly, your Written Assessment will be marked on:

- Identify the best possible diagnosis based on her measurements and blood tests, define the condition, and

- explain relevant statistics and prevalence, 20 marks
- Explain the physiological factors influencing the risk of heart disease and diabetes in this condition, 20 marks
- Critically evaluate scientific literature and discuss how Jo's current diet contributes to the risk of her condition and poor health outcomes, 20 marks
- Critically evaluate scientific literature and discuss what nutritional deficiencies Jo may have following her current diet and how they impact her overall health and wellbeing from a physiological point of view, 20 marks
- Discuss applicable evidence-based dietary recommendations to help Jo improve her nutritional intake, improve health and manage her condition, 20 marks
- Quality, quantity and formatting of the resources, 10 marks
- Grammar, sentence construction, spelling and formatting requirements, 10 marks

Please refer to the Assessment Guide available on the unit Moodle page for further information on marking criteria.

### Referencing Style

- [Harvard \(author-date\)](#)
- [American Psychological Association 7th Edition \(APA 7th edition\)](#)

### Submission

Online

### Learning Outcomes Assessed

- Analyse the physiological processes underpinning appetite and thirst in health
- Critique contemporary issues in nutrition and impact on human physiology.

## 2 GROUP WORK

### Assessment Type

Group Work

### Task Description

**This assessment task includes 2 parts:**

1. Submission of an individual report based on your group discussion; should be submitted by Monday of Week 11
2. Submission of an individual information booklet; should be submitted by Monday of Week 11

### Individual Report based on group discussion (5% of the assessment task mark)

At the beginning of Week 4, you will be allocated into groups of 4-6 students. Each group will be required to discuss the following THREE (3) nutrition-related conditions/diseases:

- Hypertension,
- Cancer (any type), and
- Osteoporosis

It is expected that ALL THREE conditions/diseases are discussed by ALL members of each group.

You should research these conditions/diseases individually and refer to the latest literature to be able to discuss them with your group. Each student is expected to make a MINIMUM of three (3) contributions (one on each of the three topics) to the group discussion. Each contribution should be AT LEAST 150 words and consist of your own ideas rather than simply agreeing with statements other students have made. Each student is also expected to make a MINIMUM of One (1) follow-up contribution of AT LEAST 100 words responding to the comments and contributions of other group members. The follow-up contribution may be on any of the three topics. If statistics or similar are shared within the group discussions, your sources must be cited and shared with group members. Referenced sources are not included in the word counts for any of the contributions. All interactions with fellow group members must be courteous and professional.

PLEASE NOTE: The group discussion forum will close to new contributions on Monday of Week 10 at 5pm. You will NOT be allowed to contribute any new discussions to the forum after this due date.

Following group discussions, you must submit an INDIVIDUAL 1-2 page report on the group discussion that includes:

- The names of all students in the group (including the names of any students who did not contribute to group discussions) AND Group Name/Number
- Excerpts of three (3) of your own contributions to the group discussion (one for each of the topics listed above) that are at least 150 words each. Include quotation marks around your excerpts. If your contributions exceed 200 words, include the first 200 words only and indicate that your contribution continues.
- Excerpt of one (1) of your contributions to the group discussion of at least 100 words responding to the contribution of other students. If your contribution exceeds 150 words, include the first 150 words and then ... to indicate that your contribution continues.
- A 300-400 word summary of all topics discussed by your group.

**Individual Information Booklet (15% of the assessment task mark):**

You must submit an INDIVIDUAL 2-3 page Information Booklet that discusses ONE (1) of the three nutrition-related conditions/diseases discussed in the Group Discussion (from the given list). You should review the literature and explain what this disease/condition is, the pathophysiology of how it develops, current and relevant statistics on the condition, risk factors and population groups at-risk of developing the condition/disease. The information booklet should be informative and aimed at educating lay persons/members of the public on the condition/disease (similar to the booklets available in outpatient clinics/hospitals).

It should include:

- Current Australian statistics on the nutrition-related condition/disease
- The pathophysiology of the condition/disease (i.e. the process of how the disease/condition develops)
- Nutrition, lifestyle and demographic risk factors of developing the nutrition-related condition/disease

The Information Booklet may include simple graphics such as icons, flow charts or tables, but the focus of the Information Booklet should be on your discussion of the key points outlined above. Any diagrams must be legible, relevant to your discussion and the source must be cited. All graphics included must not take up any more than one (1) page.

Please note: You must submit Report and Booklet separately through the links provided on the Unit's Moodle page.

**Assessment Due Date**

Week 11 Monday (20 May 2024) 11:59 pm AEST

**Return Date to Students**

Review/Exam Week Tuesday (4 June 2024)

**Weighting**

20%

**Minimum mark or grade**

50%

**Assessment Criteria**

Marks for this assessment task will be awarded according to the marking criteria included in the unit Assessment Guide.

Part A: Individual Report (5% of the task mark):

Your assessment will be assigned a mark for each of the following criteria. This mark will then be converted to a percentage to reflect the weighting of the assessment item.

- Excerpts of three (3) of the students' own contributions to the discussion of at least 150 words each, 15 marks (5 marks each)
- Excerpt of one (1) of the students' responses to other students' posts of at least 150 words, 5 marks
- 300-400 word summary of topics discussed in group discussions, 5 marks
- Grammar, sentence construction, spelling & formatting, 5 marks

Part B: Individual Information Booklet (15% of the task mark)

Your assessment will be assigned a mark for each of the following criteria. This mark will then be converted to a percentage to reflect the weighting of the assessment item.

- Current Australian statistics on the nutrition-related disease (prevalence, health-care cost), 5 marks
- The pathophysiology of the condition/disease (i.e. the process of how the disease/condition develops), 5 marks
- Nutrition, lifestyle and demographic risk factors of developing the nutrition-related condition/disease, 5 marks
- Quality, quantity and formatting of resources and level of evidence, 5 marks
- Grammar, sentence/paragraph construction, spelling and formatting requirements, 5 marks

Please refer to the Assessment Guide available on the unit Moodle page for further information on marking criteria.

**Referencing Style**

- [Harvard \(author-date\)](#)
- [American Psychological Association 7th Edition \(APA 7th edition\)](#)

**Submission**

Online

**Learning Outcomes Assessed**

- Evaluate and relate nutritionally related pathophysiological conditions in population groups
- Demonstrate effective communication and cultural competency relevant to nutrition

- Critique contemporary issues in nutrition and impact on human physiology.

## 3 ONLINE TEST

### Assessment Type

Online Test

### Task Description

The end of term Online Test will cover unit content from all weeks (weeks 1 to 11) and will consist of two parts:

- Part A will include questions on weekly content.
- Part B will include several case studies and you will be required to answer questions relevant to those case studies.

Your test is to be presented in your own words and not a result of collaboration with other students or resources (including AI resources). Any identified cases of potential collusion will result in a breach of academic integrity case being raised.

### Assessment Due Date

Week 12 Friday (31 May 2024) 5:00 pm AEST

The End of Term Online Test opens Thursday 30 May at 5:00pm AEST and closes Friday 31 May at 5:00pm. Please refer to your unit Moodle page for further information.

### Return Date to Students

Exam Week Friday (14 June 2024)

### Weighting

50%

### Minimum mark or grade

50%

### Assessment Criteria

1. You will have one (1) attempt at this assessment. You will be allowed 210 minutes (3.5 hours) to complete the assessment.
2. The End of Term Online Test consists of two parts – A and B.
3. Part A is worth forty (40) marks and consists of TWENTY (20) questions.
4. Part B is worth sixty (60) marks and consists of questions related to four (4) case studies.
  - There are four (4) case studies, each of which is worth a total of fifteen (15) marks. Each case study will have four (4) questions associated with it which must be answered within the context of the specific case study.
  - All case studies and relevant questions must be completed.

### Referencing Style

- [Harvard \(author-date\)](#)
- [American Psychological Association 7th Edition \(APA 7th edition\)](#)

### Submission

Online

### Learning Outcomes Assessed

- Analyse the role of the gastrointestinal system in digestion, absorption and metabolism of nutrients
- Analyse the physiological processes underpinning appetite and thirst in health
- Evaluate and relate nutritionally related pathophysiological conditions in population groups

## Academic Integrity Statement

As a CQUniversity student you are expected to act honestly in all aspects of your academic work.

Any assessable work undertaken or submitted for review or assessment must be your own work. Assessable work is any type of work you do to meet the assessment requirements in the unit, including draft work submitted for review and feedback and final work to be assessed.

When you use the ideas, words or data of others in your assessment, you must thoroughly and clearly acknowledge the source of this information by using the correct referencing style for your unit. Using others' work without proper acknowledgement may be considered a form of intellectual dishonesty.

Participating honestly, respectfully, responsibly, and fairly in your university study ensures the CQUniversity qualification you earn will be valued as a true indication of your individual academic achievement and will continue to receive the respect and recognition it deserves.

As a student, you are responsible for reading and following CQUniversity's policies, including the [Student Academic Integrity Policy and Procedure](#). This policy sets out CQUniversity's expectations of you to act with integrity, examples of academic integrity breaches to avoid, the processes used to address alleged breaches of academic integrity, and potential penalties.

### What is a breach of academic integrity?

A breach of academic integrity includes but is not limited to plagiarism, self-plagiarism, collusion, cheating, contract cheating, and academic misconduct. The Student Academic Integrity Policy and Procedure defines what these terms mean and gives examples.

### Why is academic integrity important?

A breach of academic integrity may result in one or more penalties, including suspension or even expulsion from the University. It can also have negative implications for student visas and future enrolment at CQUniversity or elsewhere. Students who engage in contract cheating also risk being blackmailed by contract cheating services.

### Where can I get assistance?

For academic advice and guidance, the [Academic Learning Centre \(ALC\)](#) can support you in becoming confident in completing assessments with integrity and of high standard.

### What can you do to act with integrity?



#### Be Honest

If your assessment task is done by someone else, it would be dishonest of you to claim it as your own



#### Seek Help

If you are not sure about how to cite or reference in essays, reports etc, then seek help from your lecturer, the library or the Academic Learning Centre (ALC)



#### Produce Original Work

Originality comes from your ability to read widely, think critically, and apply your gained knowledge to address a question or problem