CHIR13010 *Systems and Pathology*
Term 1 - 2020

Profile information current as at 12/10/2024 02:27 pm

All details in this unit profile for CHIR13010 have been officially approved by CQUniversity 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.

Corrections

General Information

Overview
This unit will build upon your conceptual understanding of the causes, mechanisms and consequences of disease and dysfunction of the cardiovascular, lymphatic, haematopoietic, reproductive, respiratory, endocrine, renal and digestive systems. You will critically evaluate the multifactorial symptoms of dysfunction in order to infer the likely causative pathophysiological condition. Importance will be placed on understanding that different pathologies frequently cause a suite of similar symptoms but can nevertheless be differentiated on the basis of the combination, intensity and development of those symptoms. This knowledge will be used in conjunction with the examination protocols and procedures taught in Clinical Assessment and Diagnosis 3, in order to formulate a differential diagnosis.

Details
Career Level: *Undergraduate*
Unit Level: *Level 3*
Credit Points: *6*
Student Contribution Band: *8*
Fraction of Full-Time Student Load: *0.125*

Pre-requisites or Co-requisites
Pre-requisites: BMSC11002 Human Body Systems 2 & MBIO12013 Microbiology for Health Care & BIOH12008 Human Pathophysiology or MPAT12001 Medical Pathophysiology
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 - 2020

- 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. **Online Quiz(zes)**
Weighting: 15%
2. **Written Assessment**
Weighting: 25%
3. **Examination**
Weighting: 60%

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 Student feedback in 'Have your say'.

Feedback

Some students found the assignment task challenging and would have preferred a simpler task.

Recommendation

It is recommended that assignments continue to challenge students. However, time could be spent ensuring students understand the rigour of the assessment so they can dedicate adequate time and effort to it.

Feedback from Student feedback in 'Have your say'.

Feedback

Many students commented on the high quality of this unit. They especially liked the attention to detail, the learning resources and the engaged unit coordinator.

Recommendation

It is recommended that the same standards should be maintained in future offerings.

Feedback from Self-reflection

Feedback

Some students felt that incorporating more visual resources in the teaching of difficult concepts would have been beneficial.

Recommendation

The unit coordinator will explore existing opportunities to better support students learning difficult concepts.

Unit Learning Outcomes

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

1. Compare the aetiology, epidemiology, pathogenesis and clinical manifestations of common diseases.
2. Explain the pathophysiological basis of symptoms and signs of common diseases, using your knowledge of anatomy, physiology, biochemistry, microbiology and pathology.
3. Analyse the combination, intensity and chronological development of a client’s symptoms, to infer the most likely pathological cause.
4. Explain the multifactorial nature of disease.

Alignment of Learning Outcomes, Assessment and Graduate Attributes

— N/A Level | • Introductory Level | • Intermediate Level | • Graduate Level | ◦ Professional Level | ◦ Advanced Level

Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes			
	1	2	3	4
1 - Online Quiz(zes) - 15%	•		•	
2 - Written Assessment - 25%	•	•		•

Assessment Tasks	Learning Outcomes			
	1	2	3	4
3 - Examination - 60%	•	•	•	

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes			
	1	2	3	4
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				

Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - Online Quiz(zes) - 15%	•	•		•		•				
2 - Written Assessment - 25%	•	•	•	•		•				
3 - Examination - 60%	•	•		•						

Textbooks and Resources

Textbooks

There are no required textbooks.

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 style: Vancouver
For further information, see the Assessment Tasks.

Teaching Contacts

Dawn Dane Unit Coordinator
d.dane@cqu.edu.au

Schedule

Week 1 - Welcome and Introduction - 09 Mar 2020

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to course Review of general pathology	1. Read Workbook pages 2-19 (Revision) 2. Complete all exercises in this section. 3. Attend tutorial, conducted via Zoom 4. Commence activities in workbook, pages 20-55	

Week 2 - Disorders of the Cardiovascular System - 16 Mar 2020

Module/Topic	Chapter	Events and Submissions/Topic
Disorders of the Cardiovascular System	1. Complete all activities in Workbook, pages 20-55. 2. Attend tutorial, conducted via Zoom 3. Complete on-line quiz 1 (on Disorders of the Cardiovascular System) 4. Commence activities in workbook pages 56-88, after you have completed the on-line quiz.	Quiz 1 opens Wednesday 18th March 8am AEST.

Week 3 - Disorders of the Lymphatic and Haematopoietic Systems - 23 Mar 2020

Module/Topic	Chapter	Events and Submissions/Topic

Disorders of the Haematopoietic and Lymphatic Systems	1. Complete all activities in Workbook, pages 56-88. 2. Attend tutorial, conducted via Zoom 3. Complete Online quiz 2 (Disorders of the Haematopoietic and Lymphatic Systems) 4. Commence activities in workbook, pages 89-124, after you have completed the on-line quiz.	Quiz 1 closes Monday 23rd March 8am AEST. Quiz 2 opens Wednesday 25th March at 8am AEST.

Week 4 - Disorders of the Endocrine System - 30 Mar 2020

Module/Topic	Chapter	Events and Submissions/Topic
Disorders of the Endocrine System	1. Complete all activities in Workbook, pages 89-124. 2. Attend tutorial, conducted via Zoom. 3. Complete Online quiz 3 (Disorders of the Endocrine System) 4. Commence activities in workbook pages 125-169, after you have completed the on-line quiz.	Quiz 2 closes Monday 30th of March 8am AEST. Quiz 3 opens Wednesday 1st April at 8am AEST.

Week 5 - Dermatology - 06 Apr 2020

Module/Topic	Chapter	Events and Submissions/Topic
Disorders of the Integumentary System	1. Complete all activities in Workbook, pages 125-169 2. Attend tutorial, conducted via Zoom. 3. Complete Online quiz 4 (Disorders of the Integumentary System) 4. Commence activities in workbook pages 170- 199, after you have completed the online quiz.	Quiz 3 closes Monday 6th April 8am AEST. Quiz 4 opens Wednesday 8th April at 8am AEST.

Vacation Week - 13 Apr 2020

Module/Topic	Chapter	Events and Submissions/Topic

Week 6 - Disorders of the Digestive System - 20 Apr 2020

Module/Topic	Chapter	Events and Submissions/Topic
Disorders of the Digestive System 1	1. Complete all activities in Workbook, pages 170-199. 2. Attend tutorial, conducted via Zoom. 3. Complete Online quiz 5 (Disorders of the Digestive System 1) 4. Commence activities in workbook pages 200-221 after you have completed the on-line quiz.	Quiz 4 closes Friday 24th April at 6pm AEST. Quiz 5 opens Wednesday 22nd April at 8am AEST.

Week 7 - Disorders of the Digestive System - 27 Apr 2020

Module/Topic	Chapter	Events and Submissions/Topic
Disorders of the Digestive System 2	1. Complete all activities in Workbook, pages 200-221. 2. Attend tutorial, conducted via Zoom. 3. Complete online quiz 6 (Disorders of the Digestive System 2) 4. Commence activities in workbook pages 222-257.	Quiz 5 closes Monday 27th April 8am AEST. Quiz 6 opens Wednesday 29th May at 8am AEST.

Week 8 - Disorders of the Respiratory System - 04 May 2020

Module/Topic	Chapter	Events and Submissions/Topic
Disorders of the Respiratory System	1. Complete all activities in Workbook, pages 222-257. 2. Attend tutorial, conducted via Zoom 3. Complete Online quiz 7 (Disorders of the Respiratory System) 4. Commence activities in workbook pages 258-292, after you have completed the on-line quiz.	Quiz 6 closes Monday 4th May 8am AEST. Quiz 7 opens Wednesday 6th May at 8am AEST.

Week 9 - Disorders of the Urinary and Male Reproductive System - 11 May 2020

Module/Topic	Chapter	Events and Submissions/Topic
Disorders of the Urinary and Male Reproductive System	1. Complete all activities in Workbook, pages 258-292. 2. Attend tutorial, conducted via Zoom. 3. Complete the on-line quiz 8 (urinary and male reproductive system disorders) 4. Commence activities in workbook pages 293-311 after you have completed the quiz.	Quiz 7 closes Monday 11th May 8am AEST. Quiz 8 opens Wednesday 13th May at 8am AEST.

Week 10 - Disorders of the Female Reproductive System - 18 May 2020

Module/Topic	Chapter	Events and Submissions/Topic
Disorders of the Female Reproductive System	1. Complete all activities in Workbook pages 293-311. 2. Attend tutorial, conducted via Zoom. 3. Complete the on-line quiz 9 (Female Reproductive System Disorders) 4. Commence activities in workbook pages 312-341 after you have completed the quiz.	Quiz 8 closes Monday 18th May at 8am AEST. Quiz 9 opens Wednesday 20th May at 8am AEST

Week 11 - Eye and Ear Disorders - 25 May 2020

Module/Topic	Chapter	Events and Submissions/Topic

Disorders of the ear and eye	1. Complete all activities in Workbook pages 312-341. 2. Attend tutorial via zoom. 3. You may commence online quiz 10 (Disorders of eye and ear), although it is not due until the end of week 12.	Quiz 9 closes Monday 25th May at 8am AEST Quiz 10 opens Wednesday 27th May at 8am AEST Written Assessment Due: Week 11 Monday (25th May 2020) 5:00 pm AEST **Written Assessment** Due: Week 11 Monday (25 May 2020) 5:00 pm AEST
Week 12 - Additional - 01 Jun 2020		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
Revision	1. Attend tutorial via zoom 2. Complete the online quiz 10. (Disorders of eye and ear) 3. Commence revision exercises available on Moodle	Quiz 10 closes Friday 5th June, at 8am AEST.
Review/Exam Week - 08 Jun 2020		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
Exam Week - 15 Jun 2020		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
		Written Examination

Assessment Tasks

1 Online Quiz

Assessment Type
Online Quiz(zes)

Task Description
Ten on-line quizzes will need to be completed between weeks 2-12. Details are provided under 'Schedule'. Each will be available for several days, generally between 08.00 Wednesday until 08.00 the following Monday. (some will have a longer availability). Each quiz will be based on a specific body system. There will be no extension due to unforeseen technical problems or Internet connectivity, so please do not leave it to to the end of the availability period to complete.
You will be allowed one attempt only for each quiz, which will need to be completed within a specified period of time. This will usually be approximately 20 minutes, but some will be longer. Please check the instructions each week, to ensure you are familiar with your time constraints.

Number of Quizzes
10

Frequency of Quizzes
Weekly

Assessment Due Date

Weeks 3, 4, 5, 6, 7, 8, 9, 10, 11 and 12

Return Date to Students

Results with feedback will become available to students, at the time of closure of each quiz.

Weighting
15%

Minimum mark or grade
50% overall

Assessment Criteria
As the questions asked in each quiz will be objective in style (e.g. multiple choice), answers will be computer marked as either correct or incorrect. Some questions will require you to demonstrate a knowledge of facts, while others will require you to use your interpretive or analytical skills.

Referencing Style

- Vancouver

Submission
Online

Submission Instructions
Complete via quiz link located in the appropriate week.

assessmentOutcome

- Compare the aetiology, epidemiology, pathogenesis and clinical manifestations of common diseases.
- Analyse the combination, intensity and chronological development of a client's symptoms, to infer the most likely pathological cause.

assessmentGradAttribute

- Communication
- Problem Solving
- Information Literacy
- Information Technology Competence

2 Written Assessment

Assessment Type
Written Assessment

Task Description
This assignment focuses on questions which are designed to demonstrate your understanding of pathophysiological processes.
There are 4 parts.
Part A (40 marks): You will be given 20 items in Column A. In column B, a number of events are listed. You are required to select from column B the appropriate events which contribute to the item in column A. In most cases, you will also need to place those events in the correct sequence. The number of items you need to select will be given to you.
For example:

Column A	Column B	Answer

Polydipsia in a patient with Diabetes Mellitus	A. Osmoreceptors are stimulated B. Increase in glucose filtered C. Decrease in glucose filtered D. Increase in urine output E. Decrease in urine output F. Increase in water reabsorbed from nephron into blood G. Decrease in water reabsorbed from nephron into blood H. Increase osmolality of urinary filtrate I. Decrease osmolality of urinary filtrate J. Hyperglycaemia K. Hypoglycaemia L. Thirst M. Increase in amount of water in blood N. Decrease in the amount of water in blood	Mechanisms involved:A, B, D, G, H, J, L, N Correct order:J, B, H, G, D, N, A, L

Part B: (20 marks)
You will be given 10 items, similar to those in Part A. However, this time you will need to succinctly state in less than 2 lines (minimum size 10 font) the mechanism that explains it. Because you only have 2 lines for each, your answer requires careful thought and should demonstrate your understanding of the processes.
For example:
Question:
Why can a person become hypoxic during an asthma attack?
Sample answer:
Their airways narrow due to mucosal oedema, excessive mucus production and smooth muscle spasm, thus resulting in less gaseous exchange at the alveolar-capillary membrane. This can cause hypoxaemia and then hypoxia.
Part C (25 marks)
You will be asked to name a typical *symptom* or *sign* that is a *direct consequence* of a given event. Sometimes there may be more than one possible response but you only need to name 1).
Example:
Question: Irritation of the parietal pleura
Answer: sharp chest pain
Part D (15 marks)
This will comprise a series of brief questions on skin, eye and ear disorders.
PLEASE REFER TO THE SECTION TITLED 'ADDITIONAL ASSESSMENT INFORMATION' ON THE MOODLE PAGE FOR THE FULL ASSIGNMENT.

Assessment Due Date
Week 11 Monday (25 May 2020) 5:00 pm AEST

Return Date to Students
Review/Exam Week Monday (8 June 2020)

Weighting
25%

Minimum mark or grade
50%

Assessment Criteria
The assignment is designed so you will be able to demonstrate your understanding of pathophysiological processes. This is the most important part of pathology for students of chiropractic.
In Part A, there are 20 questions, 2 marks allocated for each.
For questions which ask for the the events without requiring a specific order, 0.5 marks will be deducted for each error, until zero is reached.
For questions requiring the correct order, 1 mark will be given for naming the correct events, and 1 mark for the correct order. To attain this mark, the order needs to be correct. One error will result in a loss of 0.5 mark, and 2 or more errors will result in a loss of the entire mark.
In Part B, there are 10 questions, 2 marks each. To attain the full 2 marks, each answer must be *correct* and demonstrate *clarity* of thought. If the answer is confusing, you will lose some marks. Any text which occurs in addition to the 2 lines will not be read. In some cases, 1 line may even be sufficient to answer the question. It must be written in your own words.
In Part C, there may be more than one possible response for each question. Any of the possible correct answers will result in earning the mark. However, if you include 2 answers (which is not required), and one of them is incorrect, you will not receive any mark for that question.
In Part D, the mark will be determined by the depth, accuracy and clarity of your answer.Marks will be deducted for incorrect spelling.
Please note:
1. Incorrect spelling will result in some loss of marks.
2. Due to the style of this assignment, no marks are assigned for referencing. However, plagiarism is naturally forbidden.

Referencing Style

- Vancouver

Submission
Online

assessmentOutcome

- Compare the aetiology, epidemiology, pathogenesis and clinical manifestations of common diseases.
- Explain the pathophysiological basis of symptoms and signs of common diseases, using your knowledge of anatomy, physiology, biochemistry, microbiology and pathology.
- Explain the multifactorial nature of disease.

assessmentGradAttribute

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence

Examination

Outline
Complete an invigilated examination.

Date
During the examination period at a CQUniversity examination centre.

Weighting
60%

Length
120 minutes

Minimum mark or grade
Examination

Exam Conditions
Closed Book.

Materials
Dictionary - non-electronic, concise, direct translation only (dictionary must not contain any notes or comments).
Calculator - non-programmable, no text retrieval, silent only

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assessmentOutcome

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assessmentGradAttribute

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