

Profile information current as at 04/05/2024 04:41 am

All details in this unit profile for PMSC13010 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.

General Information

Overview

In this unit you will study the pathophysiology, presentation, and prehospital management of various medical / surgical conditions, learning how to discriminate between similar conditions and confounding presentations. Through case-based learning you will develop the critical thinking and clinical judgement skills to confidently reach diagnoses and determine the most appropriate clinical management in accordance with contemporary industry guidelines and protocols. A residential school consolidates knowledge with practice in high-fidelity simulation case management exercises.

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: PMSC12002 Clinical Paramedic Practice 1 MPAT12001 Medical Pathophysiology PMSC13003

Pharmacology in Paramedic Practice

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 <u>Assessment Policy and Procedure (Higher Education Coursework)</u>.

Offerings For Term 2 - 2018

- Cairns
- Distance
- Rockhampton
- Townsville

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).

Residential Schools

This unit has a Compulsory Residential School for distance mode students and the details are: Click here to see your <u>Residential School Timetable</u>.

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: Pass/Fail

2. Practical Assessment

Weighting: Pass/Fail
3. Online Quiz(zes)

Weighting: Pass/Fail

Assessment Grading

This is a pass/fail (non-graded) unit. To pass the unit, you must pass all of the individual assessment tasks shown in the table above.

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 Unit Evaluation

Feedback

Length and content of lectures identified as appropriate.

Recommendation

Maintain short lecture lengths and appropriate content to suit student placement and lifestyle requirements.

Feedback from Unit Evaluation

Feedback

More time at residential school would assist with learning.

Recommendation

Increase residential school length by 1 day to increase teaching time and consolidate knowledge.

Unit Learning Outcomes

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

- 1. Take a systematic and responsive approach to clinical assessment and evaluation.
- 2. Evaluate clinical history and assessment data to differentiate between medical pathologies and reach accurate diagnoses.
- 3. Apply critical thinking in case management, justifying clinical decisions with evidence-based rationale.
- 4. Manage clinical cases with appropriate prioritisation of treatment in accordance with industry guidelines and protocols.

The unit increases students' capacity to perform on-road as independent clinicians with Australian ambulance services. This is in direct response to industry feedback (through both direct consultation with management and via clinical placement feedback forms) that students and graduates lack practical skills in clinical case management, noted as a disconnect between medical science studies and the contextual application of this knowledge in the clinical environment. Improving our students' ability to meet industry requirements will strengthen the Paramedic Course ability to meet accreditation requirements.

Alignment of Learning Outcomes, Assessment and Graduate Attributes

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_	N/A Level	•	Introductory	•	Intermediate Level	•	Graduate	Professional	Advanced
	Level		LCVCI		Level		Levei	Level	LCVCI

Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning (
	1	2	3	4
1 - Written Assessment - 0%		•	•	
2 - Online Quiz(zes) - 0%		•	•	•
3 - Practical Assessment - 0%	•	•	•	•

Graduate Attributes			L	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 Cultu	res									
lignment of Assessment Tasks to G		but		ribut	es					
	1	2	3	4	5	6	7	8	9	10
1 - Written Assessment - 0%	•	•	•	•	•		•	•		
2 - Online Quiz(zes) - 0%		•	•	•		•				

Textbooks and Resources

Textbooks

PMSC13010

Prescribed

Emergency and Trauma Care for Nurses and Paramedics

2nd Edition (2015)

Authors: Curtis, K & Ramsden, C

Elsevier

Chatswood , NSW , Australia ISBN: 978072952050 Binding: Hardcover

PMSC13010

Supplementary

Anatomy and Physiology: From Science to Life

Edition: 3rd (2013)

Authors: G.W. Jenkins & G.J. Tortora

Wiley USA

ISBN: 9780470598917 Binding: Hardcover

Additional Textbook Information

The prescribed text book for this unit will also be the prescribed text for PMSC13011. The supplementary text book for this unit was the prescribed text for BMSC11001.

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 style: <u>American Psychological Association 6th Edition (APA 6th edition)</u>

For further information, see the Assessment Tasks.

Teaching Contacts

Andrew Hodgetts Unit Coordinator

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Schedule

Week 1 - 09 Jul 2018

Module/Topic

Chapter

Events and Submissions/Topic

Week 1 Cardiovascular Emergencies	Curtis & Ramsden (2015) Chapter 22: Cardiovascular Emergencies Jenkins & Tortora (2013) Chapter 19: The Cardiovascular System	Online lecture/tutorial				
Week 2 - 16 Jul 2018						
Module/Topic	Chapter	Events and Submissions/Topic				
Week 2 Respiratory Emergencies Part 1	Curtis & Ramsden (2015) Chapter 21: Respiratory Emergencies Jenkins & Tortora (2013) Chapter 22: The Respiratory System	Online lecture/tutorial				
Week 3 - 23 Jul 2018						
Module/Topic	Chapter	Events and Submissions/Topic				
Week 3 Respiratory Emergencies Part 2	Curtis & Ramsden (2015) Chapter 21: Respiratory Emergencies Jenkins & Tortora (2013) Chapter 22: The Respiratory System	Online lecture/tutorial				
Week 4 - 30 Jul 2018						
Module/Topic	Chapter	Events and Submissions/Topic				
Week 4 Neverlander Francisco Book	Curtis & Ramsden (2015) Chapter 23: Neurological Emergencies					
Week 4 Neurological Emergencies Part 1	Jenkins & Tortora (2013) Chapter 13: The Central Nervous System	Online lecture/tutorial				
Week 5 - 06 Aug 2018						
Module/Topic	Chapter	Events and Submissions/Topic				
Week 5 Gastrointestinal and Genitourinary Emergencies Part 1	Curtis & Ramsden (2015) Chapter 24: Gastrointestinal Emergencies Chapter 25: Renal and Genitourinary Emergencies Jenkins & Tortora (2013) Chapter 23: The digestive System Chapter 24: The Urinary System	Online lecture/tutorial Written Assessment Due: Week 5 Friday (10 Aug 2018) 5:00 pm AEST				
Vacation Week - 13 Aug 2018						
Module/Topic	Chapter	Events and Submissions/Topic				
Mid-Term Break	-	•				
Week 6 - 20 Aug 2018						
Module/Topic	Chapter	Events and Submissions/Topic				
Week 6 Gastrointestinal and Genitourinary Emergencies Part 2	Curtis & Ramsden (2015) Chapter 24: Gastrointestinal Emergencies Chapter 25: Renal and Genitourinary Emergencies Jenkins & Tortora (2013) Chapter 23: The digestive System Chapter 24: The Urinary System	Online lecture/tutorial				
Week 7 - 27 Aug 2018						
Module/Topic	Chapter	Events and Submissions/Topic				
Week 7 Endocrine Emergencies	Curtis & Ramsden (2015) Chapter 26: Endocrine Emergencies Jenkins & Tortora (2013)	Online lecture/tutorial				
	Chapter 17: The Endocrine System					

Week 8 - 03 Sep 2018						
Module/Topic	Chapter	Events and Submissions/Topic				
Week 8 Immunological Emergencies	Curtis & Ramsden (2015) Chapter 27: Healthcare Associated Infections and Communicable Diseases	Online lecture/tutorial				
	Jenkins & Tortora (2013) Chapter 21: The Lymphatic System and Immunity					
Week 9 - 10 Sep 2018						
Module/Topic	Chapter	Events and Submissions/Topic				
Week 9 Residential School						
Week 10 - 17 Sep 2018						
Module/Topic	Chapter	Events and Submissions/Topic				
Week 10 Residential School						
Week 11 - 24 Sep 2018						
Module/Topic	Chapter	Events and Submissions/Topic				
Week 11 Residential School						
Week 12 - 01 Oct 2018						
Module/Topic	Chapter	Events and Submissions/Topic				
Week 12		Online Quiz(zes) Due: Week 12 Friday (5 Oct 2018) 5:00 pm AEST				
Review/Exam Week - 08 Oct 2018						
Module/Topic	Chapter	Events and Submissions/Topic				
Exam Week - 15 Oct 2018						
Module/Topic	Chapter	Events and Submissions/Topic				

Term Specific Information

This unit has a compulsory residential school for all enrolled students.

Residential School locations and dates are:
Rockhampton: 14th - 17th September
Cairns: 16th - 19th September
Townsville: 20th - 23rd September

You must nominate for a position at your preferred residential school through MYCQU.

Numbers at residential schools are capped and a position at your preferred residential school is not guaranteed. Please note that PMSC13011 Paramedic Trauma and Environment Emergency directly follows on from the PMSC13010 residential school. Don't forget to nominate for a position in the PMSC13011 residential school at the same time. Further information regarding residential schools will be released closer to the date.

Assessment Tasks

1 Written Assessment

Assessment Type

Written Assessment

Task Description Objectives

In this assessment, you are required to describe and discuss the presentation and management of a case you have encountered whilst on a placement. You will then discuss the clinical presentation specific to the case and how it relates

to contemporary pre-hospital care in Australia. Finally you will reflect upon the case and how it has influenced your approach to patient care and any lessons you have taken away from the experience.

Your chosen case must reflect one of the conditions specifically covered in this unit.

Requirements

This assessment builds on the knowledge and experiences you have gained over your progress throughout the entire Paramedic Science course.

You will describe the methods by which you undertake a clinical examination and obtain an accurate medical history from a patient. You will then use this information to formulate a working diagnosis and initiate appropriate interventions. You will be required to research and define a medical condition encountered in the pre-hospital environment. With this knowledge you will gain an understanding of clinical management within the context of pre-hospital care as a component of an integrated healthcare continuum.

Finally you will reflect upon your own practice as a novice clinician to learn and grow from your experiences in preparation to transition from an undergraduate student to a graduate paramedic.

Assessment Due Date

Week 5 Friday (10 Aug 2018) 5:00 pm AEST

Return Date to Students

Week 7 Friday (31 Aug 2018)

Results and feedback will be provided within two (2) academic calendar weeks of the due date.

Weighting

Pass/Fail

Minimum mark or grade

Pass Mark 75%

Assessment Criteria

Submission

Please write your assessment using the following style and format, and then upload it into the PMSC13010 Moodle page using the Assessment 1 - Written Assessment link in the Assessment tab.

Presentation

The document should be formatted on A4 International Standard paper with margins of 2.54cm. Line spacing should be set to 1.5 and font size set to 12 point.

Only submissions in Microsoft Word format, .doc or .docx, will be accepted.

Format

Cover Page

A cover page must be included for this assessment, in the following format:

- Assessment number and name
- Unit number and name (PMSC13010 Consolidated Paramedic Practice)
- Your name
- Student number
- Word count
- Assessment due date (If you have an approved extension this needs to be noted here)

Case Description

In this section you will describe the case you have selected using the following format:

Called To: What specifically were you called to i.e. dispatch code and information given.

General Information: Crew mix (CCP, ACP, GPIP), Time of day.

On Arrival: What did you see on arrival at the scene? Initial scene appraisal. Where was the patient? What was their presenting posture? What was their initial appearance? Were there any family/bystanders?

Patient Complaining Of: What specifically was the patient complaining of?

Patient Narrative: What did the patient tell you? Why did they call the ambulance? Pertinent and non-pertinent history, symptoms they described, current medications, medical history, allergies. Anything else of importance or interest? On Examination: What did you find? Include observations (be specific, list the components of the Perfusion Status Assessment, Neurological Assessment, Respiratory Status Assessment, ECG etc), signs and symptoms you discovered. Include pertinent and non-pertinent signs, symptoms and observations, Head-to-Toes examination.

Provisional Diagnosis: What did you thinks was wrong with this patient and why? Link your provisional diagnosis to all the information you gathered from the above sections.

Differential Diagnosis: Was consideration given to any other potential conditions? Could it have been something else? Patient Management: What did you do for the patient? List all interventions performed, don't forget the basics like posture and reassurance. Outline why you performed these interventions and any effects they had on the patient, link to pathophysiology of the condition and mechanism of the intervention.

Clinical Presentation

In this section you will describe the medical condition discovered from the provisional diagnosis of your patient. You

must include the following information:

Definition: Provide a working definition for the condition/disease process you have chosen.

Pathophysiology: What is going on in this condition? Start with the specific system involved then explore systematic

Epidemiology: What is the profile of this condition in Australia? Who does it generally effect i.e. age, sex, race, socio-economic status? What is the relevance to pre-hospital care?

Aetiology: Why does this condition occur? Risk factors i.e. genetics, lifestyle, diet etc?

Diagnosis: How is this condition diagnosed in-hospital? Did it reflect your provisional diagnosis? Can our diagnosis in the pre-hospital environment change/improve?

Treatment: What is the acute in-hospital management for this condition? Does it reflect your management? How does pre-hospital management impact this?

Reflection

In the final section, you should reflect upon you chosen case and lessons learnt from this experience.

What made you choose this specific case, what stood out for you? How did you feel about interacting with the patient? Were they co-operative? Were there any other factor that affected your assessment or interactions?

How confident were you in undertaking assessments and formulating a provisional diagnosis?

Did you undertake any of the interventions and/or management? If yes; how did you feel about it, were you successful? If no; why not? Was it a confidence issue? Was the patient time critical?

Has this case changed the way you approach similar presentations? Did the case presentation match you expectations from your prior knowledge of the condition?

Did you receive any feedback from your mentors? Did this feedback aid in your learning?

Referencing Style

• American Psychological Association 6th Edition (APA 6th edition)

Submission

Online

Submission Instructions

Please submit through the Unit Moodle page using the Assessment 1 - Written Assessment link in the Assessment tab.

Learning Outcomes Assessed

- Evaluate clinical history and assessment data to differentiate between medical pathologies and reach accurate diagnoses.
- Apply critical thinking in case management, justifying clinical decisions with evidence-based rationale.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Team Work
- Cross Cultural Competence
- Ethical practice

2 Practical Assessment

Assessment Type

Practical Assessment

Task Description

For this assessment students will be required to attend a compulsory residential school.

There will be a total of three (3) assessment tasks throughout the compulsory residential school. These tasks are designed to test your theoretical knowledge in combination with your clinical assessment and patient management skills. All assessment tasks align with the learning outcomes for this unit, as described in the Unit Profile.

The assessment tasks will be in the following formats: One (1) Viva Voce and two (2) Objective Structured Clinical Examinations (OSCE).

Viva Voce

The Viva Voce is a verbal or "interview style" assessment. You will have 20 minutes to answer a series of questions to demonstrate your knowledge and understanding of the material covered throughout the unit. You may be assessed on anatomy and pathopysiology of any disease process covered throughout the unit. You may also be asked to describe the pre-hospital presentation, including signs and symptoms, in combination with the appropriate pre-hospital management of any disease process described throughout the unit.

Objective Structured Clinical Examination (OSCE)

The two (2) OSCEs will take the format of a structured scenario where you will be allocated 20 minutes to complete each OSCE. The OSCE is designed to assess your knowledge and understanding of the material covered throughout the unit in a structured practical environment. Furthermore the OSCE will assess your ability to perform a thorough and accurate patient assessment and history, and use this information to to formulate a provisional diagnosis. In combination with your patient assessment and provisional diagnosis you will implement appropriate and timely interventions, procedures and/or skills. Your ability to communicate effectively and overall scene management will also be assessed. Finally you will be required to demonstrate your ability to give a patient handover to a senior clinician (i.e. CCP).

Assessment Due Date

During residential school. Please refer to timetable for residential school dates.

Return Date to Students

At completion of residential school.

Weighting

Pass/Fail

Minimum mark or grade

Pass Mark 75%

Assessment Criteria

You must achieve a pass mark on each individual assessment task to be awarded an overall pass for the residential school.

The pass mark for each individual assessment task is 75%.

The inability to achieve a pass mark for two (2) or more individual tasks will result in an automatic fail for this assessment.

One (1) additional attempt/resit will be offered if two (2) individual tasks have been completed successfully.

Failure to undertake and/or achieve a pass mark on the additional attempt/resit will result in a fail for this assessment.

Critical errors in this unit will be classed as anything that causes immediate harm to yourself, partner, patient or bystanders or any procedure that is performed outside the scope of practice. During any form of assessment, if any of the following are witnessed the assessment will immediately cease, and no marks will be given for that OSCE:

- Unsafe defibrillation
- Incorrect joules delivered during defibrillation
- Defibrillation of a non-shockable rhythm
- Failure to recognise a cardiac arrest (>1minute)
- Failure to shock a shockable rhythm in a timely manner (<2 minutes)
- Failure to perform a complete drug check
- Incorrect sharps disposal or unsafe practice with a sharp
- Performing a skill or procedure, or administering a drug outside your scope of practice
- Any grossly unsafe practice, as determined by the assessing academic

Referencing Style

American Psychological Association 6th Edition (APA 6th edition)

Submission

Offline

Submission Instructions

During residential school

Learning Outcomes Assessed

- Take a systematic and responsive approach to clinical assessment and evaluation.
- Evaluate clinical history and assessment data to differentiate between medical pathologies and reach accurate diagnoses.
- Apply critical thinking in case management, justifying clinical decisions with evidence-based rationale.
- Manage clinical cases with appropriate prioritisation of treatment in accordance with industry guidelines and protocols.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Team Work
- Cross Cultural Competence
- Ethical practice

3 Online Quiz(zes)

Assessment Type

Online Quiz(zes)

Task Description

The online quiz will incorporate multiple choice questions, short and medium length answer responses and case studies to assess your theoretical knowledge of topics covered throughout the unit.

You maybe assessed on any topic covered in this unit, including review material.

Anatomy and pathophysiology of any disease process, incorporating presentation (signs and symptoms) and appropriate pre-hospital management maybe assessed.

The assessment aligns with the learning outcomes for this unit, as described in the Unit Profile.

Number of Quizzes

1

Frequency of Quizzes

Other

Assessment Due Date

Week 12 Friday (5 Oct 2018) 5:00 pm AEST

Return Date to Students

Exam Week Monday (15 Oct 2018)

Weighting

Pass/Fail

Minimum mark or grade

Pass Mark 75%

Assessment Criteria

This is a timed quiz with a pass mark of 75%.

One (1) additional attempt/resit will be offered if you are unable to achieve a pass mark on the first attempt.

You must complete the quiz in the allocated time. There will be no opportunity to save your answers and return to the quiz at a later time.

In the absence of an approved extension there will be no opportunity to complete this assessment after the due date.

Failure to achieve a pass mark on the additional attempt and/or non-submission will result in a fail for this assessment. No opportunity for a supplementary assessment will be offered.

This quiz is an individual assessment task. You are not permitted to collaborate with other students whilst undertaking this assessment. Any attempt or evidence of collaboration will result in an Academic Misconduct investigation.

Referencing Style

• American Psychological Association 6th Edition (APA 6th edition)

Submission

Online

Submission Instructions

You will be required to complete the quiz in the allocated time. There will be no opportunity to save your answers and return to the quiz at a later time.

Learning Outcomes Assessed

- Evaluate clinical history and assessment data to differentiate between medical pathologies and reach accurate diagnoses.
- Apply critical thinking in case management, justifying clinical decisions with evidence-based rationale.
- Manage clinical cases with appropriate prioritisation of treatment in accordance with industry guidelines and protocols.

Graduate Attributes

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

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 <u>Academic Learning Centre (ALC)</u> 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