



PMSC13011 *Paramedic Trauma & Environmental* Emergency

Term 2 - 2017

Profile information current as at 13/05/2024 05:11 pm

All details in this unit profile for PMSC13011 have been officially approved by CQUUniversity 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

Unit Profile Correction added on 04-07-17

Online Test : Change to minimum mark or grade - 50%

General Information

Overview

Traumatic injury and environmental trauma form a significant treatment burden on Australia's health care system and are a major cause of death and disability across all demographics. Within this unit you will develop an understanding of traditional and emerging approaches to assisting those suffering traumatic injuries within an out-of-hospital specific context. This will include a week by week approach to the systematic assessment of each body system. Due to Australia's unique geography, climate and environment, a component of this unit will include the management of environmental and envenomation related emergencies as well as chemical, biological and radiological events. Upon successful completion, you will have a comprehensive understanding of a systematic trauma assessment and overall management of trauma within an out of hospital context.

Details

Career Level: *Undergraduate*

Unit Level: *Level 3*

Credit Points: 12

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.25

Pre-requisites or Co-requisites

PMSC12001 - Procedures and Skills in Paramedic Care PMSC12002 - Clinical Paramedic Practice 1 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 [Assessment Policy and Procedure \(Higher Education Coursework\)](#).

Offerings For Term 2 - 2017

- 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 [Residential School Timetable](#).

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 12-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 25 hours of study per week, making a total of 300 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: 50%

2. **Online Test**

Weighting: 50%

3. **On-campus Activity**

Weighting: Pass/Fail

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](#).

Unit Learning Outcomes

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

1. Using a systematic approach, assess emergency environments for mechanisms of injury and predicted pattern of injuries.
2. Evaluate and initiate out of hospital treatment modalities for trauma and environmental related conditions.
3. Compare and contrast the management of emergencies via air and ground transportation.
4. Apply the principles of multi-casualty management within the out of hospital setting including traumatic, chemical, biological and radiological emergencies.
5. Identify emerging technology and procedures utilised within the out of hospital setting.

This proposed unit aligns to the graduate paramedic competency standards as defined by the professional organisation representing paramedics, Paramedics Australasia and the national body providing accreditation standards for competent paramedic practice and educational design, Council of Ambulance Authorities. Reference document can be found at: http://www.caa.net.au/images/documents/accreditation_resources/Paramedic_Professional_Competency_Standards_V2.2_February_2013_PEPAS.pdf

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 - 50% | • | • | • | • | • |
| 2 - Online Test - 50% | • | | • | | • |
| 3 - On-campus Activity - 0% | • | • | | • | |

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 | | • | • | • | • |

| Graduate Attributes | Learning Outcomes | | | | |
|---|-------------------|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 |
| 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 - Written Assessment - 50% | • | • | • | • | | • | • | • | | |
| 2 - Online Test - 50% | • | • | • | • | | • | • | • | | |
| 3 - On-campus Activity - 0% | • | • | • | • | • | • | • | • | | |

Textbooks and Resources

Textbooks

PMSC13011

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

Additional Textbook Information

The textbook required for this unit is the textbook required for PMSC13010.

[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: [American Psychological Association 6th Edition \(APA 6th edition\)](#)

For further information, see the Assessment Tasks.

Teaching Contacts

Shannon Delpont Unit Coordinator
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Schedule

Week 1 - 10 Jul 2017

| Module/Topic | Chapter | Events and Submissions/Topic |
|--|--|------------------------------|
| Intro to Trauma, Epidemiology, Mechanism of Injury and Trauma Patient Assessment | Curtis & Ramadan (2015) Chapter 42&43 Intro to Trauma, Epidemiology & Mechanism of Injury (p.1067-1088 & 1093-1108) Chapter 44&18 Trauma Assessment (p.237-263, 388-414 & 1111-1143) | |

Week 2 - 17 Jul 2017

| Module/Topic | Chapter | Events and Submissions/Topic |
|---|--|------------------------------|
| Trauma Airway Management & Trauma Basic Life Support, Basic Airway Management & Resuscitation | Curtis & Ramadan (2015) Chapter 15 Trauma Resuscitation (p.269-289) Trauma Basic Life Support | |

Week 3 - 24 Jul 2017

| Module/Topic | Chapter | Events and Submissions/Topic |
|------------------------|---|------------------------------|
| Neck & Thoracic Injury | Curtis & Ramsden (2015) Ch.47 Neck and Thoracic Injury (p.1193-1224) | |

Week 4 - 31 Jul 2017

| Module/Topic | Chapter | Events and Submissions/Topic |
|------------------------|---|---|
| Head & Spinal Injuries | Curtis & Ramsden (2015) Chapter 45&46 Head Face and Brain Injury (p.774-789, 808-816, 1171-1190 & 1149-1168) Chapter 49 Spinal Trauma (p.1265-1288) | Written Assessment Due Trauma management Assignment Due: Week 4 Thursday (3 Aug 2017) 4:00 pm AEST |

Week 5 - 07 Aug 2017

| Module/Topic | Chapter | Events and Submissions/Topic |
|----------------------------|--|------------------------------|
| Envenomation & Anaphylaxis | Curtis & Ramadan (2015) Chapter 31 Envenomation & Anaphylaxis (p.755-767) | |

Vacation Week - 14 Aug 2017

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

Week 6 - 21 Aug 2017

| Module/Topic | Chapter | Events and Submissions/Topic |
|-------------------------------------|--|------------------------------|
| Abdominal Trauma & Extremity Trauma | Curtis & Ramadan (2015) Chapter 48 Abdomen (p.1229-1255) Chapter 50 Extremity Trauma (p.1291-1330) | |

Week 7 - 28 Aug 2017

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

| | |
|---|---|
| Exposure, Diving & The Elements Toxicology & Overdose | Curtis & Ramsden (2015) Chapter 28 Exposure, Diving & The Elements (p.687-704) Chapter 30 Toxicology & Overdose (p.737-753) |
|---|---|

Week 8 - 04 Sep 2017

| Module/Topic | Chapter | Events and Submissions/Topic |
|--|--|---|
| Burns, Blast, HAZMAT and Major Incident Medical Management & Support | Curtis & Ramadan (2015) Chapter 12 HAZMAT & CBRN (185-220) Chapter 52 Burns Chapter 51 Blast Injuries (p.1337-1358 & 1363-1376) | Online Test Online Test Due: Week 8 Thursday (7 Sept 2017) 4:00 pm AEST |

Week 9 - 11 Sep 2017

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

Week 10 - 18 Sep 2017

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

Week 11 - 25 Sep 2017

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

Week 12 - 02 Oct 2017

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

Review/Exam Week - 09 Oct 2017

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

Exam Week - 16 Oct 2017

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

Assessment Tasks

1 Trauma management Assignment

Assessment Type

Written Assessment

Task Description

PMSC13011 is a capstone unit – assessing all the critical elements of knowledge and practice for a novice, safe clinician prior to graduation. This assessment (for which there are multiple sections) relates to all learning outcomes within this unit and incorporates elements of learning across the whole paramedic degree course. Each section will aid your development of knowledge and the systematic approach required to effectively assess and manage patients suffering specific traumatic and environmental emergency injuries.

This is a graded course: 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 course of at least 50%, or an overall grade of 'pass' in order to pass the course. 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 for more details of interim results and Grades and Results Procedures final grades.

Assessment Due Date

Week 4 Thursday (3 Aug 2017) 4:00 pm AEST

Submit all assessments by the date specified in Moodle

Return Date to Students

Week 6 Thursday (24 Aug 2017)

Feedback will be provided to students within 2 weeks of the due date for this assessment.

Weighting

50%

Minimum mark or grade

50%

Assessment Criteria

This assessment item is made up of the latest topics being discussed in trauma management and will encourage the students to research these important topics. You must present a clear, well-researched assignment according to the directions given on your Moodle page.

Examples will be provided in Moodle; A marking rubric will be available via the Moodle page prior to the assessment due date.

You must achieve a pass mark of 50% in order to pass this assessment.

This assessment task must be completed individually and you should not collaborate with any other student. For this assessment task, no late submissions will be accepted. In the absence of an approved extension, there will be no opportunity to complete the task after this date, and there will be no opportunity to apply a late penalty of five percent per day. Therefore this assessment task must be completed by the due date.

This task will be completed electronically in a Word document and uploaded to Moodle using the drop box function.

Referencing Style

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

Submission

Online

Submission Instructions

Submit the written assignment by the date specified in Moodle as a Word Document.

Learning Outcomes Assessed

- Using a systematic approach, assess emergency environments for mechanisms of injury and predicted pattern of injuries.
- Evaluate and initiate out of hospital treatment modalities for trauma and environmental related conditions.
- Compare and contrast the management of emergencies via air and ground transportation.
- Apply the principles of multi-casualty management within the out of hospital setting including traumatic, chemical, biological and radiological emergencies.
- Identify emerging technology and procedures utilised within the out of hospital setting.

Graduate Attributes

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

2 Online Test

Assessment Type

Online Test

Task Description

PMSC13011 is a capstone unit – assessing all the critical elements of knowledge and practice for a novice, safe clinician prior to graduation. This assessment (for which there are multiple sections) relates to all learning outcomes within this unit and incorporates elements of learning across the whole paramedic degree course. Each section will aid your development of knowledge and the systematic approach required to effectively assess and manage patients suffering specific traumatic and environmental emergency injuries.

This will be an Online test which will need to be completed in Moodle. All directions will be clearly discussed on your Moodle page.

Assessment Due Date

Week 8 Thursday (7 Sept 2017) 4:00 pm AEST

Completed Online in Moodle, will be timed and will only allow 1 attempt.

Return Date to Students

Grades will be returned within 2 weeks of assessment

Weighting

50%

Minimum mark or grade

70%

Assessment Criteria

In this assessment, you will need to complete a multiple choice, True/ False and short answer based assessment on trauma and environmental emergencies.

The online test will be timed and will only allow 1 attempt.

There will be a mixture of questions types including but not limited to:

- * Short answer
- * Multiple choice
- * True/False

This online test is an individual assessment piece. You are not allowed to collaborate with other students while undertaking this assessment. Any attempt at collaboration will result in an academic misconduct investigation. You are required to obtain 70% in order to pass this assessment item.

Referencing Style

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

Submission

Online

Learning Outcomes Assessed

- Using a systematic approach, assess emergency environments for mechanisms of injury and predicted pattern of injuries.
- Compare and contrast the management of emergencies via air and ground transportation.
- Identify emerging technology and procedures utilised within the out of hospital setting.

Graduate Attributes

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

3 On-campus Activity

Assessment Type

On-campus Activity

Task Description

PMSC13011 is a capstone unit – assessing all the critical elements of knowledge and practice for a novice, safe clinician prior to graduation. This assessment (for which there are multiple sections) relates to all learning outcomes within this unit and incorporates elements of learning across the whole paramedic degree course. Each section will aid your development of knowledge and the systematic approach required to effectively assess and manage patients suffering specific traumatic and environmental emergency injuries.

For this assessment, students will be required to attend all 5 days of the compulsory residential school.

You will be assessed in an OSCE format throughout the compulsory residential school. In an OSCE, clinical skills are tested as well as theoretical knowledge. It is essential to learn correct clinical methods and then practice repeatedly until you perfect the methods whilst simultaneously developing an understanding of the underlying theory behind the methods used.

There will be a total of two (2) assessments each designed to assess knowledge and practical skills acquired during this course. The assessment tasks will consist of OSCE's. The format of the OSCE's will be CME (Case Management Exercises) which relates to the learning outcomes of this unit.

There will be two (2) long case CME's where students will be allocated 20 minutes to complete each assessment.

The long case CME will be in the format of a structured scenario looking at the following areas:

Patient assessment and history taking
Evidence gathering and patient treatment

Implementation of interventions, procedures and skills

Overall patient and scene management

According to the Encyclopedia and Dictionary of Medicine, Nursing and Allied Health, "Critical" can be defined as Extremely important or essential.

Critical errors in this unit will be classed as anything that causes immediate harm to yourself, partner, patient or bystanders and/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 item:

- Unsafe defibrillation
- Incorrect joulage delivered to the patient
- Defibrillation of an unshockable rhythm
- Failure to recognise a shockable rhythm
- No or incomplete drug check
- Incorrect sharps disposal
- Performing a skill and/or procedure outside the scope of practice taught to you in the CG95.

This is a graded course: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings. You must obtain an overall mark for the course of at least 50%, or an overall grade of 'pass' in order to pass the course. If any 'pass/fail' tasks are shown in the unit they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for in 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 for more details of interim results and Grades and Results Procedures final grades.

Assessment Due Date

The Practical Assessment will take place during the Residential School

Return Date to Students

Results and feedback will be given to students within 2 weeks of completion of the residential school.

Weighting

Pass/Fail

Minimum mark or grade

50%

Assessment Criteria

Each long case OSCE will be worth 50% of the overall mark for this assessment.

The scoring tools for each station are validated and reliable and will be available to students via the Moodle page prior to attending Residential school.

Students must achieve an overall pass mark of 50% for both (2) OSCE's to pass the Residential school. If you fail the Residential school you will fail the unit.

Referencing Style

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

Submission

Offline

Learning Outcomes Assessed

- Using a systematic approach, assess emergency environments for mechanisms of injury and predicted pattern of injuries.
- Evaluate and initiate out of hospital treatment modalities for trauma and environmental related conditions.
- Apply the principles of multi-casualty management within the out of hospital setting including traumatic, chemical, biological and radiological emergencies.

Graduate Attributes

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

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