

Profile information current as at 13/05/2024 08:23 am

All details in this unit profile for PMSC13008 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

This unit will prepare emergency services personnel to determine and quantify occupational risks, compare those risks between industries, agencies and occupations and to develop interventions to mitigate those occupational risks.

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

There are no requisites for this unit.

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</u> <u>Procedure (Higher Education Coursework)</u>.

Offerings For Term 1 - 2018

• Distance

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

<u>Metropolitan Campuses</u> Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview

Written Assessment
 Weighting: 10%
 Written Assessment
 Weighting: 30%
 Written Assessment
 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 <u>University's Grades and Results Policy</u> 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 <u>CQUniversity Policy site</u>.

Unit Learning Outcomes

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

- 1. Analyse occupational injury and fatality rates
- 2. Construct a minumum data set needed to calculate injury and fatality rates
- 3. Appraise injury and fatality rates for a given population of emergency services personnel

No external accreditation applicable

Alignment of Learning Outcomes, Assessment and Graduate Attributes

 N/A Level	•	Introductory Level	•

Intermediate Level

Graduate Level

Professional Advanced Level

Level

Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks Learning Out			
	1	2	3
1 - Written Assessment - 10%	•		
2 - Written Assessment - 30%		•	
3 - Written Assessment - 60%			•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning	Learning Outcomes				
	1	2	3			
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 - Written Assessment - 10%	•									
2 - Written Assessment - 30%	•	•	•							

Assessment Tasks	Graduate Attributes
	1 2 3 4 5 6 7 8 9 10
3 - Written Assessment - 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: <u>Harvard (author-date)</u> For further information, see the Assessment Tasks.

Teaching Contacts

Karen Klockner Unit Coordinator k.klockner@cqu.edu.au

Schedule

Week 1 - 05 Mar 201	18						
Module/Topic	Chapter	Events and Submissions/Topic					
Introduction Choosing a topic	Maguire BJ, EMS Research. In Walz BJ. (Ed.) Introduction to EMS Systems. Delmar Learn. Aug 2001. O'Meara P, Maguire BJ, Jennings P, Simpson P. Building an Australasian paramedicine research agenda: a narrative review. Health Research Policy and Systems. 2015; 13: 79. [1.81] Full text available at: <u>https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4678527/</u> The Writing Guide Suggested reading: http://www.cqu.edu.au/student-life/services-and-facilites/referencing CQU. The Great Guide to University Study. 2013. Available at: https://my.cqu.edu.au/documents/10165/2178077/Great-Guide+to+University+Study/b8b60a74-ee39-4d31-b74e-e198d6b98c43 Maguire BJ, O'Meara P, Newton A. Toward an international paramedic research agenda. Irish Journal of Paramedicine. 2016; 1(2). Full text available at: <u>http://www.lenus.ie/hse/bitstream/10147/620961/1/Maguire+Research.pdf</u>	Introduce yourself on the class Moodle site.					
Week 2 - 12 Mar 2018							

Module/Topic

Chapter

Events and Submissions/Topic

Overview of Risks	Maguire BJ, Smith S. Injuries and	experience, w that contribute	cussion: In your hat are the main factors e to injuries among rvices personnel?
Week 3 - 19 Mar 2018	3		
Module/Topic	Chapter	E	vents and Submissions/Topic
Statistics	Calculating injury and fatality rates handout U.S. Bureau of Labor Statistics. How to Compute Your Firm's Incidence Rate http://www.bls.gov/iif/oshwc/osh/os/osh06_appc.pdf Standardized Coding http://www.bls.gov/iif/oshwc/osh/os/osh06_appd.pdf Safe Work Australia http://www.safeworkaustralia.gov.au/sites/swa/statistics/ltifr/pages/lost-time-inju Reference Occupational Injury and Illness Classification Manual http://www.bls.gov/iif/oshoiics.htm	fi y A ir C u <u>ry-frequency-rates</u> 3 3	ctivity. Review the discussion posts rom weeks 1 and 2 and consider who ou would like to work with for ssessment 2. Reach out to those ndividuals and create your team. Once your team is finalised, notify the nit coordinator. Individuals who have ot created teams by the end of week will be assigned to teams by the ourse coordinator.
Week 4 - 26 Mar 2018	3		
Fatal injuries	Chapter Maguire BJ, Hunting KL, Smith GS, Levick NR. Occupational Fatalities in EMS: A Hidden Crisis. Annals 2002; 40(6): 625-632. Clarke C, Zak MJ. Fatalities to law enforcement officers and firefighters, 1992-97. Compensation and 1999;15:3-7 Optional: Alexandria City Fire Department. Line of Duty Death. Investigative Report. Medic II Joshua Available at: http://www.alexandriava.gov/uploadedFiles/fire/info/Weissman%20LODD%20Report%20Final%200f	l Working Conditions. A. Weissman. 20 Nov 14	Assessment 1 due Written Assessment - Emergency Services Agency Risks Due: Week 4 Friday (30 Mar 2018) 11:45 pm AEST
	Accessed 23 Jan 15.	//2011111//2012.22.2014	pui
Week 5 - 02 Apr 2018	1		
Module/Topic	Chapter Maguire BJ, Hunting KL, Guidotti TL, Smith GS. Occupational Injuries Among Emergenc Personnel. Prehospital Emergency Care. 2005; 9: 405–411.	cy Medical Services	Events and Submissions/Topic
Non-fatal Injuries	Suyama J, Rittenberger JC, Patterson PD, Hostler D. Comparison of public safety provie Prehospital Emergency Care. 2009;13(4):451-55	der injury rates.	
non-ratar injulies	Karter MJ Jr., Molis JL. U.S. Firefighter Injuries - 2013. NFPA; 2014. Available at: http://www.nfpa.org/~/media/Files/Research/NFPA%20reports/Fire%20service%20stat Accessed 23 Jan 15.	tistics/osffinjuries.pdf.	
Vacation Week - 09 A	pr 2018		
Module/Topic	-	Events and S	ubmissions/Topic
Week 6 - 16 Apr 2018			
Module/Topic	Chapter		Events and Submissions/Topic
Transportation-related risks	 Maguire BJ, Transportation-Related Injuries and Fatalities among Emergency Medical Tec Paramedics. Prehospital and Disaster Medicine. 2011; 26(5): 346-352. Maguire BJ. Ambulance Safety. In Cone DC. (Ed) Emergency Medical Services: Clinical Pro Oversight. NAEMSP. Wiley Pub. 2015. Fahy RF. U.S. Firefighter Fatalities in Road Vehicle Crashes - 1998-2007. NFPA. Available http://www.nfpa.org/~/media/files/research/nfpa%20reports/fire%20service%20statistics Accessed 21 Jan 15. Maguire BJ. Characterizing Ambulance Driver Training in EMS Systems. In response to: U Number NHTSA-2014-0127. Submitted 29 January 2015. Available at 	actice & Systems at: /osffvehicledeaths.pdf.	Suggested discussion topic: What are some of the main factors that influence the risks of transportation related injuries for emergency services personnel?
	http://www.regulations.gov/#!documentDetail;D=NHTSA-2014-0127-0002. Access. 17 Fe	eb 15.	
Week 7 - 23 Apr 2018	1		
Module/Topic	Chapter	Events and	d Submissions/Topic

		Maguire BJ. Ambulance Safety in the U.S. J of Emergency Management. 2003; 1(1): 15-18.				
		Maguire BJ, Porco FV. EMS and vehicle safety. Emergency Medical Services. 1997; 26(11):39-	-43. Assessment	Assessment 2 due		
Transportation-rela	ated risks II			sessment - Minimum		
		Suggested reading: Best Practices for Emerger Vehicle and Roadway Operations Safety in the Emergency Services. IAFF. Available at: http://www.iaff.org/hs/EVSP/Best%20Practices. Accessed 21 Jan 15	2018) 11:45	Data Set Due: Week 7 Friday (27 Apr 2018) 11:45 pm AEST		
Week 8 - 30 Apr	2018					
-	2010		E contra condición	less to a taxa a contra sta		
Module/Topic		Chapter	Events and S	ubmissions/Topic		
				w should emergency nnel prepare to respond		
International & disaster-related risks		Maguire BJ, Dean S, Bissell RA, Walz BJ. Bumbak D. Epidemic and Bioterrorism preparation among EMS systems. Prehosp and Disaster Medicine. 2007; 22(3): 237-242.		ntry for an international		
Week 9 - 07 May	/ 2018					
Module/Topic	Chapter			Events and Submissions/Topic		
Diseasor	http://www.omicsgroup.org/journals/a-prelin	aguire BJ. A Preliminary Assessment of Contamination of Emergency Service Helicopters with MR 3 Sol (10.25) doi:10.1172/2165-7484.000304. Filler at valiable at: <u>ninary-assessment-of-contamination-of-emergency-service-helicopters-with-mrsa-and-multiresist</u> . Methicillin-resistant Staphylococcus aureus nasal colonization prevalence among Emergency M	48-1000304.pdf present threats to responders,			
	Daniels RD. Bert S. Dahm MM. et al. Exposu Philadelphia (1950-2009). Occup Environ M	re-response relationships for select cancer and non-cancer health outcomes in a cohort of US fin ed doi:10.1136/oemed-2014-102671	efighters from San Francisco, Chicag			
Week 10 - 14 Ma	ay 2018					
Module/Topic	Chapter			Events and Submissions/Topic		
Violence	https://www.osha.go Maguire BJ, O'Meare Response. 2016; 43 Taylor, Jennifer A., e urban fire departme Video: https://au.tv.yahoo. Optional: (Note that	r Preventing Workplace Violence for Health Care & Social Service Wor w/Publications/OSHA3148/osha3148.html. Accessed 19 Jan 15 P and O'Neill BJ. Violence Against Paramedics: Developing the Tools (1): 24. it al. "Expecting the unexpected: a mixed methods study of violence t nt." American journal of industrial medicine (2015). com/sunrise/video/watch/34390330/paramedics-have-the-most-dange the presentation begins at about minute 6) u.au/ess/portal/section/936c159b-2473-41a0-a5c9-ec860e6db09d	Suggested discussion: Who are the typical perpetrators of violence against emergency services personnel?			
Week 11 - 21 Ma	av 2018					
Module/Topic	Chapter			Events and Submissions/Topic		
	Maguire BJ. EMS occupational safet Care. CRC Press, 2017.	y issues, implications, and remedy. In: Keebler J LE, Misasi P. ed. The Ergonomics and H	Human Factors of Prehospital Em	ergency		
Safety & Risk Reduction		and Quality Goals. Letter to the Australian Commission on Safety and Quality in Health Care. 2012. Available at: gov.au/wp-content/uploads/2012/01/National-Goals-consultation-Submission-19-Brian-Maguire-Charles-Sturt-University-20-Jan-2012.pdf Discussion. What might the Ten Ss of injury prev				
	Nabeel I, Baker BA, McGrail MP Jr, F Sep;90(9):40-3.	I, Baker BA, McGrail MP Jr, Flottemesch TJ. Correlation between physical activity, fitness, and musculoskeletal injuries in police officers. Minn Med. 2007				
Week 12 - 28 Ma						
	ay 2010	Chapter	Events and S	ubmiccione/Tonic		
Module/Topic		Chapter	Events and St	ubmissions/Topic		
Preventing Crashes		Maguire BJ. Preventing Ambulance Collision Injuries Among EMS Providers: Part 2. EMS Manager and Supervisor. 2003; 5(3): 4-7. Maguire BJ. Preventing Ambulance Collision Injuries Among EMS Providers: Part 1. EMS Manager and	to help us cons and preventive injuries. Can yo the Haddon's M create a new M occupational ris Assessment 3 o	due.		
		Supervisor. 2003; 5(2): 4.	Written Assessment - Population Risks Due: Week 12 Friday (1 June 2018) 11:45 pm AEST			
Review/Exam W	eek - 04 Jun 2018					
Module/Topic		Chapter	Events and S	ubmissions/Topic		

Module/Topic

Chapter

Assessment Tasks

1 Written Assessment - Emergency Services Agency Risks

Assessment Type

Written Assessment

Task Description

Task Description: Describe your emergency services agency (maximum 100 words) and describe: why it is important to understand its risks and how you think the risks at that agency compare to a published report (max 500 words). The total word count maximum is 600 words. Cite the published report you are referencing. Post to the Moodle forum. Note: Assessment I should focus on your emergency services agency. If you are not currently working at an emergency services agency, contact the Unit Coordinator.

Assessment Due Date

Week 4 Friday (30 Mar 2018) 11:45 pm AEST

Return Date to Students

Week 6 Friday (20 Apr 2018)

Weighting

10%

Assessment Criteria

- * The emergency services agency is described
- * Occupational injury and fatality rates stated
- * A comparison of risks to the published report provided
- * Appropriate referencing used
- * Correct spelling and grammar

A detailed marking matrix will be provided on the Moodle site.

Referencing Style

• Harvard (author-date)

Submission

Online

Learning Outcomes Assessed

• Analyse occupational injury and fatality rates

Graduate Attributes

Communication

2 Written Assessment - Minimum Data Set

Assessment Type

Written Assessment

Task Description

Title: Minimum data set

Preamble: During the first three weeks of Term you may choose one or two other students to work with on this project. Let the Unit Coordinator know the members of the team. If you are not able to find a partner(s) the Unit Coordinator will assign teams. Teams are encouraged to use a program such as Google docs to share drafts of the working documents.

Task Description: Working together in teams of two or three, construct a data set needed to determine injury and fatality rates for a given group of emergency services personnel. Create an Excel spreadsheet with the criteria and submit a description of the set (maximum 500 words per group member). Cite your sources for choosing the criteria. Note: be sure that the names and email addresses of each team member are on both the Excel spreadsheet and on the description document.

Assessment Due Date

Week 7 Friday (27 Apr 2018) 11:45 pm AEST

Return Date to Students

Week 9 Friday (11 May 2018)

Weighting 30%

Assessment Criteria

* Excel spreadsheet data set is sufficient to determine injury and fatality rates for a given group of emergency services personnel

- * The description of the set includes:
- The emergency services agency is described
- Appropriate referencing used
- Correct spelling and grammar
- A detailed marking matrix will be provided via the Moodle site

Referencing Style

• Harvard (author-date)

Submission

Online

Learning Outcomes Assessed

• Construct a minumum data set needed to calculate injury and fatality rates

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking

3 Written Assessment - Population Risks

Assessment Type

Written Assessment

Task Description

Title: Population Risks

Task Description: For the population of emergency services personnel at your agency (or the one selected by your group), describe their risks in comparison to populations of other emergency services personnel and/or to the average for all workers. Note any risks that may be unique. Describe ways that the risks for this population might be reduced. (Maximum 1,200 words). Cite your sources. Note: this assignment can be done individually or in groups of two or three students. If working in a group, the maximum word count for the project is 1,000 words per student. Note: if working in a group, the names and email addresses of each group member must be included on the paper.

Assessment Due Date

Week 12 Friday (1 June 2018) 11:45 pm AEST

Return Date to Students

Exam Week Monday (11 June 2018)

Weighting 60%

Assessment Criteria

- * The emergency services agency is described
- * Occupational injury rates stated
- * A comparison of risks to the published report provided
- * Includes suggestions for prevention
- * Appropriate referencing used
- * Correct spelling and grammar
- A detailed marking matrix will be provided via the Moodle site

Referencing Style

• Harvard (author-date)

Submission

Online

Learning Outcomes Assessed

• Appraise injury and fatality rates for a given population of emergency services personnel

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy

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 <u>Student Academic</u> <u>Integrity Policy and Procedure</u>. 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