

HLTH 2015 OUT-OF-HOSPITAL MEDICAL CARE 1

Credit Points 10

Legacy Code 401074

Coordinator Rachael Vella ([https://directory.westernsydney.edu.au/search/name/Rachael Vella/](https://directory.westernsydney.edu.au/search/name/Rachael%20Vella/))

Description The aim of this subject is to extend knowledge and clinical skills required for the assessment and management of cardiovascular, respiratory and neurological medical emergencies. The subject combines pathophysiological principles development of skills and interpretation of diagnostic technology with clinical decision-making to implement advanced life support.

School Health Sciences

Discipline Paramedical Studies

Student Contribution Band HECS Band 2 10cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Undergraduate Level 2 subject

Pre-requisite(s) BIOS 2029 or NATS 2038

Co-requisite(s) HLTH 2018

Restrictions

Students must be enrolled in 4669 Bachelor of Health Science (Paramedicine).

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Identify patient presentations and select appropriate pre hospital treatment plans
2. Integrate patient history and pathophysiology of cardiovascular, respiratory and neurological emergencies into the pre hospital assessment and treatment
3. Discuss the epidemiology and consequences of acute cardiovascular, respiratory and neurological emergencies
4. Provide an evidence-based justification for guidelines relating to cardiovascular, respiratory and neurological emergencies
5. Demonstrate competency in interpretation of ECGs
6. Provide constructive feedback and integrate feedback into future performance.
7. Provide constructive feedback and integrate feedback into future performance

Subject Content

1. Pathophysiology of cardiovascular, respiratory and neurological emergencies
2. Australian Resuscitation Council guidelines for managing resuscitation at an advanced skill level
3. ECG monitoring, analysis and interpretation
4. Clinical decision-making related to termination of resuscitation
5. Assessment, treatment and evidence-based clinical decision-making in relation to adult respiratory medical emergencies

6. Assessment, treatment and evidence-based clinical decision-making in relation to adult neurological medical emergencies
7. Importance of providing and receiving feedback in a out-of-hospital setting
 1. Pathophysiology of cardiovascular, respiratory and neurological emergencies
 2. Australian Resuscitation Council guidelines for managing resuscitation at an advanced skill level
 3. ECG monitoring, analysis and interpretation
 4. Clinical decision-making related to termination of resuscitation
 5. Assessment, treatment and evidence-based clinical decision-making in relation to adult respiratory medical emergencies
 6. Assessment, treatment and evidence-based clinical decision-making in relation to adult neurological medical emergencies
 7. Importance of providing and receiving feedback in a out-of-hospital setting

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
Quiz	2 x 30 minutes	30	N	Individual	Y
Critical Review	1,500 words	25	N	Individual	Y
Final Exam	2 hours	45	Y	Individual	Y

Prescribed Texts

- Curtis, K., Ramsden, C. and Lord, B. (2011). Emergency and Trauma Care for nurses and paramedics. Chatswood, N.S.W.: Elsevier.
- Wesley, K. (2011). Huszar's Basic Dysrhythmias and Acute Coronary Syndromes: Interpretation and Management. St Louis, Missouri: Elsevier

Teaching Periods

2nd Half (2024)

Campbelltown

On-site

Subject Contact Rachael Vella ([https://directory.westernsydney.edu.au/search/name/Rachael Vella/](https://directory.westernsydney.edu.au/search/name/Rachael%20Vella/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=HLTH2015_24-2H_CA_1#subjects)

2nd Half (2025)

Campbelltown

On-site

Subject Contact Rachael Vella ([https://directory.westernsydney.edu.au/search/name/Rachael Vella/](https://directory.westernsydney.edu.au/search/name/Rachael%20Vella/))

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=HLTH2015_25-2H_CA_1#subjects)