



# Course Specification

— (Bachelor)

Course Title: **Advanced Emergency Health Care**

Course Code: **NRS 365**

Program: **Bachelor of Nursing**

Department:

College: **College of Nursing**

Institution: **Majmaah University**

Version: **V4**

Last Revision Date: **June 2023**



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## A. General information about the course:

### 1. Course Identification

1. Credit hours: (3 (2+1+0))

#### 2. Course type

A.  University  College  Department  Track  Others  
 B.  Required  Elective

3. Level/year at which this course is offered: (3<sup>rd</sup> year 6<sup>th</sup> level)

#### 4. Course general Description:

This course is designed to introduce nursing students to advanced competencies and skills in emergency care both in public and within health care settings. It especially focuses on procedures related to advanced life support and lifesaving. Special emphasis is put on managing medications used in variety emergent conditions

5. Pre-requirements for this course (if any):

CAMS 231, NRS 352

6. Pre-requirements for this course (if any):

#### 7. Course Main Objective(s):

### 2. Teaching mode (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	45	100%
2	E-learning		
3	Hybrid <ul style="list-style-type: none"> <li>• Traditional classroom</li> <li>• E-learning</li> </ul>		
4	Distance learning		





### 3. Contact Hours (based on the academic semester)

No	Activity	Contact Hours
1.	Lectures	15
2.	Laboratory/Studio	30
3.	Field	
4.	Tutorial	
5.	Others (specify)	
<b>Total</b>		<b>45</b>

### B. Course Learning Outcomes (CLOs), Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
<b>1.0</b>	<b>Knowledge and understanding</b>			
K1.1	List principles of Triage in Advanced Emergency care. <b>KPI 25</b>	KPI25	Lecture-Discussion.	Written Exam,
K3.1	Identify the important nursing considerations during inter-facility and intra-facility transport of victim/ patient with emergency conditions. <b>KPI 04</b>	KPI04	Lecture-Discussion and Collaborative Learning	Written Exam,
...				
<b>2.0</b>	<b>Skills</b>			
S1.1	Provide advanced patient care for medical emergencies using principles of advanced nursing care. <b>KPI 20</b>	KPI18	Lecture-Discussion and Collaborative Learning	Written Exam, Laboratory Exam
S4.1	Provide needed care to all patient encountering medical and trauma emergencies. <b>KPI 30</b>	KPI30	Assignment	Assignment, Written Exam, Laboratory Exam





Code	Course Learning Outcomes	Code of CLOs aligned with program	Teaching Strategies	Assessment Methods
S5.1	Performing basic advanced cardiac life support. <b>KPI 26</b>	KPI26	Lecture-Discussion and Collaborative Learning	Written Exam. Laboratory Exam
<b>3.0</b>	<b>Values, autonomy, and responsibility</b>			
V2.1	Demonstrate collaboration in providing nursing care for adults with multiple and complex medical-surgical emergencies. <b>KPI 27</b>	KPI27	Collaborative Learning	Professionalism and Participation
3.2				
...				

### C. Course Content

No	List of Topics	Contact Hours
1. 1	<p><b>Unit 1: Assessment and Triage:</b></p> <p>Introduction to Emergency nursing, principles and scope of emergency nursing, Disaster, types, Triage- Principles, triage team and functions, Primary and secondary assessment.</p> <p><b>Practical Part:</b></p> <p>Primary and Secondary Assessment</p>	6
2. 2	<p><b>Unit 2: Pulmonary and Respiratory Emergencies:</b></p> <p>Respiratory distress, Obstructive pulmonary diseases and their emergency medical management, infective respiratory emergencies</p> <p><b>Practical Part:</b></p> <p>Endotracheal intubation, Mechanical ventilators</p>	6
3	<p><b>Unit 3: Cardiovascular Emergencies:</b></p> <p>Angina, Myocardial Infarction, CCF, Aortic aneurysm and Dissection, Hypertensive emergencies</p> <p><b>Practical Part:</b></p> <p>Automated External Defibrillators</p>	6
4	<p><b>Unit 4: Allergies and Immune Responses:</b></p> <p>Review of immune system, Latex allergy, Anaphylaxis, autoimmune disorders</p>	6



5	<p><b>Unit 5: Childhood Emergencies:</b></p> <p>Poisoning, Insect stings, accidents, drowning, choking</p> <p><b>Practical Part:</b></p> <p>Foreign Body Airway Obstruction for Infant and child (less than 1 year of age), Neonatal Resuscitation</p>	6
٦	<p><b>Unit 6: Substance Abuse and Toxicology:</b></p> <p>Meaning, types of substance abuse, cause and treatment, Medico legal issues Routes of toxic exposure, types of toxins and antidotes</p> <p><b>Practical Part:</b></p> <p>Gastric lavage</p>	3
٧	<p><b>Unit 7 : Burns and Environmental Emergencies :</b></p> <p>Causes and Types of Burns, management</p> <p>Heat exhaustion, Heat stroke, Frost bite, Hypothermia, Snake bite, Lightning strike, Insect stings, Near drowning</p> <p><b>Practical Part :</b></p> <p>Assessment and calculate degree of burns, first aid measures</p>	6
٨	<p><b>Unit 8: Advanced Life Support and Resuscitation:</b></p> <p>Adult Resuscitation (ACLS), Pediatric Resuscitation, Special Resuscitation cases</p> <p><b>Practical Part:</b></p> <p>BLS, ACLS</p>	3
٩	<p><b>Unit 9: Shock States and Fluid Resuscitation</b></p> <p>Pathophysiology of Shock, types, differential diagnosis,</p> <p>Fluid management and Blood replacement</p> <p><b>Practical Part:</b></p> <p>Blood Transfusion</p>	3
<b>Total</b>		<b>45</b>





## D. Students Assessment Activities

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quiz	6 <sup>th</sup> week	10%
2.	Midterm Exam	7 <sup>th</sup> - 9 <sup>th</sup> week	20%
3.	Practical Examination	8 <sup>th</sup> week	10%
4	Assignment	13 <sup>th</sup> week	10%
5	Professionalism and Participation	14 <sup>th</sup> week	10%
6	Final Exam (Clinical)	15 <sup>th</sup> week	10%
7	Final Exam (Theory)	17 <sup>th</sup> - 18 <sup>th</sup> week	30%
	Total		100%

\*Assessment Activities (i.e., Written test, oral test, oral presentation, group project, essay, etc.).

## E. Learning Resources and Facilities

### 1. References and Learning Resources

<b>Essential References</b>	<p>Hammond, B. B, and Zimmermann, P. G. (2012). <i>Sheehy's Manual of emergency Care</i>. (7<sup>th</sup> Ed.). Mosby. ISBN-13: 978-0-323-07827-6 ISBN-10: 0323078273</p> <p>McQuillan, K., Von Rueden, K., Hartsock, R., Flynn, M. and Whalen, E. (2002). <i>Trauma Nursing: From Resuscitation to Rehabilitation</i>. (3<sup>rd</sup> Ed.). Saunders, Philadelphia. ISBN-13: 9780132543804 ISBN-10: 0721684416</p>
<b>Supportive References</b>	<p>Limmer, D. J., and O'Keefe, M. F. (2012). <i>Emergency Care</i>. (10<sup>th</sup> Ed.). Prentice Hall. ISBN-13: 9780132543804 ISBN-10: 013254380X</p>
<b>Electronic Materials</b>	<ul style="list-style-type: none"> <li>• <a href="http://www.sdl.edu.sa">www.sdl.edu.sa</a></li> <li>• <a href="http://www.pubmed.com">www.pubmed.com</a></li> <li>• <a href="http://www.enw.org/TOC.htm">www.enw.org/TOC.htm</a></li> <li>• <a href="http://www.ovid.com/site/catalog/Journal/371.jsp?top=2&amp;mid=3&amp;bottom=7&amp;subsection=12">www.ovid.com/site/catalog/Journal/371.jsp?top=2&amp;mid=3&amp;bottom=7&amp;subsection=12</a></li> <li>• <a href="http://www.medi-smart.com/emergency.htm">www.medi-smart.com/emergency.htm</a></li> <li>• <a href="http://www.allnurses.com/forums/f18/">www.allnurses.com/forums/f18/</a></li> </ul> <p><a href="http://www.lib.flinders.edu.au/resources/sub/healthsci/a-zlist/emergency.html">www.lib.flinders.edu.au/resources/sub/healthsci/a-zlist/emergency.html</a></p>
<b>Other Learning Materials</b>	<p>1. Other learning material such as computer-based programs/CD, professional standards or regulations and software.</p>





Power point and demonstration video

## 2. Required Facilities and equipment

Items	Resources
<b>facilities</b> (Classrooms, laboratories, exhibition rooms, simulation rooms, etc.)	Lecture rooms should be large enough to accommodate 30 students.
<b>Technology equipment</b> (projector, smart board, software)	Every classroom must be equipped with smart or active board, latest Audio-visual aids and computer with internet access.
<b>Other equipment</b> (depending on the nature of the specialty)	NA

## F. Assessment of Course Quality

Assessment Areas/Issues	Assessor	Assessment Methods
Effectiveness of teaching	Faculty	CLO Mapping with teaching & assessment. Course Blueprinting Grade Analysis Psychometric Analysis
Effectiveness of Students assessment	Students	Course Evaluation Survey Quality of Exam Survey
Quality of learning resources	Students / Faculty	Academic advising survey Student experience survey
The extent to which CLOs have been achieved	Students / Faculty	Academic advising survey Student experience survey
Other		

**Assessors** (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

**Assessment Methods** (Direct, Indirect)

## G. Specification Approval

<b>COUNCIL /COMMITTEE</b>	<b>DEPARTMENT COUNCIL</b>
<b>REFERENCE NO.</b>	<b>4</b>
<b>DATE</b>	<b>19.09.2023</b>

