



**Jordan University of Science and Technology**  
**Faculty of Applied Medical Sciences**  
**Paramedics Department**

PARA443 Paramedic Management Of Infectious Toxicological And Environmental Emergencies - JNQF Level: 7

First Semester 2024-2025

**Course Catalog**

3 Credit Hours. This course covers the management of patients with a range of challenging etiologies, such as extremes in environmental conditions, toxicological emergencies including overdose and poisoning, and acute infectious diseases. Topics include epidemiology, pathophysiology, assessment and clinical management of patients with toxicological, infectious, and environmental illnesses.

**Teaching Method:** On Campus

**Text Book**

<b>Title</b>	Mosby's Paramedic Textbook
<b>Author(s)</b>	McKenna, K., & Sanders, M. J.
<b>Edition</b>	4th Edition
<b>Short Name</b>	Ref #1
<b>Other Information</b>	

**Course References**

Short name	Book name	Author(s)	Edition	Other Information
Ref #2	Paramedic Care: Principle and Practice	Bledsoe, B. E. Porter, R. S, Cherry, R. A.	4th Edition	

**Instructor**

Name	Dr. Zainab AlQudah
Office Location	-
Office Hours	
Email	zmalqudah5@just.edu.jo

<b>Class Schedule &amp; Room</b>
Section 1: Lecture Time: Mon, Wed : 10:00 - 11:30 Room: M3303

<b>Tentative List of Topics Covered</b>		
<b>Weeks</b>	<b>Topic</b>	<b>References</b>
Weeks 1, 2, 3, 4, 5	Infectious diseases	From <b>Ref #1</b> , From <b>Ref #2</b>
Weeks 6, 7, 8, 9, 10	Environmental emergencies	From <b>Ref #1</b> , From <b>Ref #2</b>
Weeks 11, 12, 13, 14, 15	Toxicological emergencies	From <b>Ref #1</b> , From <b>Ref #2</b>

<b>Mapping of Course Outcomes to Program Outcomes and NQF Outcomes</b>	<b>Course Outcome Weight (Out of 100%)</b>	<b>Assessment method</b>
Understand and discuss the etiology of common infectious diseases and their pathophysiology, infection control considerations for prehospital emergency care and understanding of the up-to-date emergency management for infectious diseases and inflammatory responses incidents in the prehospital environment. [5PLO 1, 5PLO 2, 5PLO 3, 5PLO 6, 5PLO 7, 5PLO 9] [5L7K1, 5L7S1, 5L7S2, 5L7S3, 5L7C2, 10L7C4]	35%	First Exam, Assignment
Understand and describe the etiology and pathophysiology of selective environmental emergencies and understand the up-to-date emergency management for extreme environmental incidents. [5PLO 1, 5PLO 2, 5PLO 3, 5PLO 6, 2PLO 7, 3PLO 9] [5L7K1, 5L7S1, 5L7S2, 5L7S3, 5L7C2, 5L7C4]	30%	Second exam, Assignment
Understand and discuss the etiology of common toxic emergencies and substance overdose and their pathophysiology, the concepts of Hazardous Materials incidents and their management and understanding of the up-to-date emergency management for toxic and substance overdose/abuse incidents. [5PLO 1, 5PLO 2, 5PLO 3, 5PLO 6, 5PLO 8, 5PLO 9] [5L7K1, 5L7S1, 5L7S2, 5L7S3, 5L7C2, 10L7C4]	35%	Final exam, Assignment

<b>Relationship to Program Student Outcomes (Out of 100%)</b>								
PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9
17.67	17.67	17.67			17.67	8.23	5.83	15.27

<b>Relationship to NQF Outcomes (Out of 100%)</b>					
L7K1	L7S1	L7S2	L7S3	L7C2	L7C4
15	15	15	15	15	25

Evaluation	
Assessment Tool	Weight
First Exam	25%
Second exam	25%
Final exam	40%
Assignment	10%

Policy	
Attendance policy	Students are expected to attend all or more than 80% of lectures. All absences will be entered electronically into the University site. If absence is more than 20%, the student will be banned from the course after electronic notification from the university through student e-mail.
Cheating policy	The instructor will follow JUST's rules and regulations
Expected workload	Students are expected to take every effort to ensure satisfactory learning of the material given.
Feedback	Concerns or complaints should be expressed in the first instance to the course instructor. If no resolution is forthcoming, then the issue should be brought to the attention of the Department Chair and, if still unresolved, to the Dean.
Statement on Professionalism	Professional behaviour is expected of students at all times. Attitude and professional behaviour are a minimum criterion for passing this class. Examples of unprofessional behaviour include but are not limited to missing classes, tardiness, lack of attention for a speaker, talking to others during the lecture, leaving a lecture prior to its completion without prior authorization of the instructor, working on other class material during class, and sleeping during class.
Cell phone	The use of cellular phones is prohibited in classrooms and during exams. The cellular phone must be switched off in classrooms and during exams.
Make-up exams	Make-up exams are entitled to students who miss the exam with accepted legal or medical excuse endorsed by the instructor within 24 hours after the scheduled exam (Please review university regulation for more details)

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