



Kingdom of Saudi Arabia

المملكة العربية السعودية

Ministry of Education

وزارة التعليم

Jazan University

جامعة جازان

كلية التمريض والعلوم الصحية College of Nursing and Health Sciences

Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Emergency of Medical Care Basics	EMS 211	3	4	5	1	3	BIO105-04

Course Instructor Name: Dr.Hussin Albargi

E.mail: halbargi@jazanu.edu.sa

Office Hours:

Monday: 8:00 AM to 10 AM

Lecture Time:

Theory: Sunday 8:00 AM to 10:50 AM

Tuesday 8:00 AM to 10:50 AM

Practical: Sunday 11:00 AM to 3:00 PM

Monday 1:00 PM to 4:50 PM

(1) Brief Course Description

This course deals with the knowledge and skills of an EMT-basic. In this course, the student will learn the basic principles of emergency care. He will be instructed to identify and manage common medical emergencies and common problems related to trauma patients.

(2) Course Objectives:

Students should be able to:

- Understand the basics of emergency medical and trauma care.
- Collect and interpret vital signs.
- Assist advance life support providers in procedures like, IV infusion, endotracheal intubation and ECG monitoring.
- Identify, diagnose and manage life threatening problems like problems of airway, breathing and circulation.
- Do proper medical and trauma patient assessment.
- Recognize and manage common medical emergencies.
- Recognize and manage common trauma emergencies.

الرقم :

المملكة العربية السعودية – جازان ص.ب : 114 هاتف : 013295000

تحويلة : 4040-4004 البريد الإلكتروني : cnhs@jazanu.edu.sa



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(3) Course Contents:

- Introduction to EMS
- Baseline vital signs
- Assisting to ALS provider
- Airway management
- Medical patient assessment/ trauma patient assessment.
- Respiratory emergencies
- Cardiovascular emergencies
- Diabetes and altered mental status allergic reaction/ poisoning and overdose.
- Environmental emergencies/ Behavioural emergencies/ geriatrics
- Bleeding control and shock management
- Soft tissue injuries
- Obstetrical and gynaecological emergencies
- Paediatrics

(4) Course Teaching Strategies

Both formative and summative strategy for teaching and assessment so as to obtain continuous feedback, as well as periodic assessment to improve the learning process

- Classrooms for theoretical part: 60%
- Basic lab for practical sessions: 40%

(5) Assessment Criteria:

Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
First quiz	3-4	7.5
Midterm exam	9	20
Second quiz	10-12	7.5
Final exam	15-16	60
Attendance, behaviors, and attitude	All weeks	5

(6) Text Book:

Caroline, N. (2017) "Nancy Caroline's Emergency Care in the Streets" 8th ed. Jones and Barlett

(7) Reference Books:

- Mistovich, J.J.; Karren, K.J. (2018). *Prehospital: Emergency care*. (11th ed.) Pearson Education Inc.

المرفقات :

التاريخ :

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2030
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- American Academy of Orthopaedic Surgeons. (2017). *Emergency: Care and transport of the sick and the injured*. (11th ed). Jones and Barlett Learning
- Gregory, P.; Mursell, I. (2010) *Manual of clinical paramedic procedures*. John Wiley & Sons Incorporated

Electronic material:

www.naemt.org

[Saudi Digital Library](#)

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Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
EMS Communication & Documentation	EMS-216-1	1		1	2	3	None

Course Instructor Name: Dr. Mohtashim Lohani

E.mail: mlohani@jazanu.edu.sa

Office Hours:

Lecture Time : Wednesday 11:00 am to 11.50 am (Section 72)

Wednesday 12:00 am to 12.50 pm (Section 72)

(1) Brief Course Description :

The course Introduces the communication skills especially at the workplace. Communication with disabled patients. Giving student an idea of how to prepare documentation at the health care, also the importance of roles of documentation in health care.

(2) Course Objectives:

The fundamental purpose of this course is to bring about the methodology that students can utilize to acquire a profound level of communication at health care organizations and learn the concept and importance of documentation in health care.

المرفقات :

التاريخ :

الرقم :

(3) Course Contents:

Introduction to Communication Verbal vs Non-verbal Communication
Communication skills in health care
Communication flow at work place and Feedback methods
Critical Thinking Concepts and Tools
Barriers to effective communication, Attitude, Appearance, and Tone in communication
Cultural communication Sympathy, Empathy, and the art of listening
Types of Documentation in Medicine
Importance of Documentation in Medicine
Roles and values of Documentation in Medicine

(4) Course Teaching Strategies:

Lectures in class rooms in order to introduce the basic information
Group discussion

(5) Assessment Criteria:

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Mid-Term Exam	7-9	30
2.	Assignments	16	15
3.	Class Assessment	Continuous	05
4.	Final Exam	18-20	50
5.	Total		100

المرفقات :

التاريخ :

الرقم :

(6) Text Book:

Communication Skills for the Healthcare Professional; 1st Edition; Laurie Kelly McCorry, Jeff Mason

(7) Reference Books:

Communication Skills for the Health Care Professional: Concepts, Practice, and Evidence; 2nd Edition; Gwen Servellen

Communication Skills in Clinical Practice; 2nd Edition; K R Sethuraman



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Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Pharmacology and Drug Administration	EMS221	2	1	3	2	4	EMS211-5

Course Instructor Name: Dr. Mazharul Hoque

E.mail: .mazharulhaque@jazanu.edu.sa

Office Hours:

Lecture Time : Monday 3:00 PM to 6:50 PM

(1) Brief Course Description :

This course of paramedics care is designed to all undergraduate second year, fourth level students. General objectives of this course are to develop students' knowledge and clinical competencies in the area of Pharmacology (definitions and branches) and drug administration, basic, with understanding and implementing Good Laboratory Practice, to empathize the drugs used in EMS and significance of drug administration by different routes. It also emphasize on pharmacokinetic and Pharmacodynamics effect of drugs with the knowledge of drug-receptor interactions

(2) Course Objectives:

Define terms, concepts, and basic processes associated with physiologic effects of medication therapy.

Detail basic physiologic processes involved with absorption and elimination of medications.

Describe characteristics of major groups and selected individual medications in terms of the following: mechanism(s) of action; drug effects; therapeutic uses; side effects and adverse effects; toxicity and management of overdoses; interactions; and nursing responsibilities related to administration, monitoring, and teaching.

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Significance of drug administration by different routes

To know the essential drug list (drug name, indication and adult dose)

To familiarize the drug receptor interactions

Utilize available resources to update personal knowledge of medications.

Utilize appropriate conversions to practice drug dosage calculations.

Describe legal/regulatory issues related to medication administration.

Describe the nursing role in drug therapy as it relates to:

Promoting physiologic and psychological wellness.

Documenting therapeutic or non-therapeutic effects.

Application of the nursing process.

Nursing responsibilities related to documentation and patient teaching.

(3) **Course Contents:**

Introduction to Pharmacology Theory
Different routes of Drug administration
Experimental Calculations (1)
Drug classification and Nomenclature, Experimental Calculations
Analgesics, Drug administration by oral route
Sedatives and Hypnotics
Drug administration by Intra Muscular route
Autonomic Nervous system (Parasympathetic)
Drug administration by Sub Cutaneous route
Autonomic Nervous system (Parasympathetic)
Drug administration by Sub Cutaneous route
Drugs used in respiratory tract disorders.
Drug administration by Intra Dermal route
Cardio vascular system (Heart failure)
Drug administration by Intra Venous route (Cephalic).
Cardio vascular system (Blood disorders and Antihyperlipidemics)
Blood transfusion.

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Cardio vascular system (Diuretics)

كلية التمريض والعلوم

Inhalers and Nebulizers.

Drugs effecting Gastro intestinal tract.

Submission and presentation of report

- (4) **Course Teaching Strategies :**
Lecture & Practical sessions

- (5) **Assessment Criteria:**

Assignment 1	4 th week	5
Midterm Exam	7 th week	20%
Assignment 2	9thy week	10
Continuous Assessment	12 th week	5%
Final Practical exam	14 th week	20%
Final Exam	15 th week	40%

- (6) **Text Book:**
Goodman Gillman,
Tripathy,
Rang & Dale,
Internet,
Ross & Willson,

- (7) **Reference Books:**

www.medicine .com (8)

* www.ncbi.nlm.nih.gov/pubmed (9)

* Medicare website

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Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Fitness & Work Performance	EMS213	2	1	3	2	4	-

Course Instructor Name: Dr. Ateeq Almuwallad

E.mail: .amarooq@jazanu.edu.sa

Office Hours:

Lecture Time : Monday 08:00 AM to 11:50 AM

(1) Brief Course Description :

This course deals with providing the students the knowledge and skills that improve performance while working in the field. It also covers the proper handling of the equipment and use of proper body mechanics in lifting and moving the patients.

(2) Course Objectives:

Explain the factors that improve work performance and stress management during critical incidents.

Describe principles of body mechanics and its use in lifting and moving the patients.

Explain the uses of appropriate equipment's for the fractures and spinal motion restriction devices.

Define musculoskeletal injury (MSI), factors that contribute to an MSI, and ways to prevent an MSI.

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(3) **Course Contents:**

- The Well Being of an EMT – Basic (**Theory**)

donning technique, Proper glove removal technique (**Practical**)

- Body substance isolation precautions: Hand Washing, Proper glove (theory)

- wearing goggles, gowns,

- Medico-legal and Ethical Issues (**Theory**)

- Proper lifting & moving, squat lift, power grip and correct reaching. (theory)

Various types of stretchers and their use (**Practical**)

- Lifting and Moving Patients (**Theory**)

- Use of stair chair, scoop stretcher, ambulance stretcher (**Practical**)

Urgent, emergency and non – urgent moves (theory)

Extremity lift and direct ground lift (practical)

- Musculoskeletal Care (**Theory**)

- Application of the various types of splints, soft, rigid, sling and swathe

(**Practical**)

- Injuries to the Head & Spine (**Theory**)

- Application of Cervical Collar & Immobilization (theory)

In-line Immobilization Technique, Spinal Motion Restriction, Log Roll (practical)

Use of Long Blackboard, Application of Short Backboard, Application of KED, Immobilizing a Patient found in Sitting/Standing Position,

Removal of a Helmet (**Theory & Practical**)

- Ambulance Operations (Theory)

- Ambulance Demonstration (Practical)

- Gaining Access (**Theory**)

- Rapid Extrication (**Practical**)

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- (4) **Course Teaching Strategies :**
Lecture & Practical sessions

- (5) **Assessment Criteria:**

Quiz 1	4 th week	7.5%
Midterm Exam	7 th week	20%
Quiz 2	9 th week	7.5%
Continuous Assessment	12 th week	5%
Final Practical exam	14 th week	20%
Final Exam	15 th week	40%

- (6) **Text Book:**
Goodman Gillman,
Tripathy,
Rang & Dale,
Internet,
Ross & Willson,
Mosby Textbook
EMT Basic Textbook

- (7) **Reference Books:**

www.medicine.com

* www.ncbi.nlm.nih.gov/pubmed

* Medicare website

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Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Patient Assessment in Emergencies	EMS 241	2	2	3	2	4	Phys 212 – 2 Anat 220 – 3 EMS 211 – 5

Course Instructor Name: Dr. Rayan Alharbi

E.mail: rjalharbi@jazanu.edu.sa

Office Hours:

Monday: 8:00 AM to 12 AM

Tuesday: 8:00 AM to 12 AM

Lecture Time:

Theory: Tuesday 02:00 PM to 03:50 PM

Practical: Tuesday 04:00 PM to 5:50 PM

(1) Brief Course Description

This course aims to enable students to apply scene information and assessment findings including but not limited to scene size up, history taking, primary and secondary assessment and reassessment to guide emergency management.

(2) Course Objectives:

Students should be able to:

- Identify the components of scene size up and history taking.
- Identify priorities in each phase of patient assessment.
- Differentiate initial assessment from focused assessment of medical and trauma patients.
- Practice effective therapeutic communication.
- Describe prehospital physical examination techniques.
- Demonstrate the steps of comprehensive physical examination.
- Outline key components of paramedic critical thinking process.
- Describe the factors that affect the prehospital management and clinical decision making.

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(3) Course Contents:

No	List of Topics
1.	Communication and Documentation
2.	Scene Size Up (Theory & Practical)
3.	History Taking (Theory & Practical)
4.	Primary Assessment (Theory & Practical)
5.	Secondary Assessment (Theory & Practical)
6.	Systematic Physical Assessment (Theory & Practical)
7.	Age Related Examination (Theory & Practical)
8.	Clinical Decision Making

(4) Course Teaching Strategies

Both formative and summative strategy for teaching and assessment so as to obtain continuous feedback, as well as periodic assessment to improve the learning process

- Classrooms for theoretical part: 60%
- Lab for practical sessions: 40%

(5) Assessment Criteria:

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Midterm Examination	Week 7 - 9	20
2.	Final Examination	Week 18 - 20	40
3.	Final Practical Examination	Week 17	20
4.	Major assignment	Week 10	15
5.	Attendance, participation, and behavior	Week 1 - 15	5
	Total		100%

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(6) Text Book:

Sanders, M. J.; McKenna K. D. (2019). *Sanders' paramedic textbook*. (5th ed). Jones & Bartlett Learning.

(7) Reference Books:

Essential References	Caroline, N. (2017) "Nancy Caroline's Emergency Care in the Streets" 8 th ed. Jones and Barlett Mistovich, J.J.; Karren, K.J. (2018). <i>Prehospital: Emergency care</i> . (11 th ed.) Pearson Education Inc.
Supportive References	American Academy of Orthopaedic Surgeons. (2017). <i>Emergency: Care and transport of the sick and the injured</i> . (11th ed). Jones and Barlett Learning Gregory, P.; Mursell, I. (2010) <i>Manual of clinical paramedic procedures</i> . John Wiley & Sons Incorporated Lecture notes
Electronic Materials	www.emtb.com/9e www.delmarlearning.com www.ems.gov Saudi Digital Library
Other Learning Materials	Oxford hand book of emergency medicine Clinical Practice Guidelines of Emergency Medical Services (Saudi Red Crescent Authority 2022)

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Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Clinical Practice 1	EMS381	-	6	3	2025	5	EMS241-3

Course Instructor Name: Dr. Naif Harthi

E.mail: nharthi@jazanu.edu.sa

Office Hours:

Monday: 1:00 pm to 3:00 pm

Tuesday: 10:00 am to 12:00 pm

Wednesday: 8:00 am to 12:00 pm

Thursday: 8:00 am to 2:00 pm

Lecture Time: 3:00 pm to 8:50 pm

(1) Brief Course Description

This course is designed to involve the students practicing and simulating the basics and foundations aspects of emergency medical case scenarios and the needed medical care for each condition.

(2) Course Objectives:

By the end of the course the student should be able to:

1. Identify key components in assessing emergency scenes, including hazards and patient needs.
2. Perform initial assessments to identify life-threatening conditions in medical and trauma situations.
3. performing essential lifesaving interventions, such as high-quality CPR
4. Learn the correct use of airway management tools, tailored to specific emergency scenarios.
5. Measure vital signs across a variety of medical and trauma cases.
6. Obtain a detailed SAMPLE history (Symptoms, Allergies, Medications, Past medical history, Last oral intake, Events leading up to the illness/injury) relevant to each patient's situation.

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(3) Course Contents:

No	List of Topics	Contact Hours
1.	Basic Life Support Course	8
2.	Assessment of Mental Status & Baseline vital signs	8
3.	Scene Size-up & Initial Assessment	8
4.	Basic Airway Management	8
5.	Trauma Patient Assessment (NREMT)	6
6.	Bleeding Control & Shock Management	8
7.	Soft Tissue Injuries	6
8.	Medical Patient Assessment (NREMT) & SAMPLE History	8
Total		60 Hours

(4) Course Teaching Strategies

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	60 Hours	100%
2	E-learning		
3	Hybrid <ul style="list-style-type: none"> Traditional classroom E-learning 		
4	Distance learning		

(5) Assessment Criteria:

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Attendance and participation	Continuous assessment	5%
2.	Clinical skills assessment	Continuous assessment	15%
3.	Written Assignment	9	15%
4.	Presentation	11	15%
5.	Final written exam	11	20%
6.	Final practical	12	30%

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

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(6) Text Book:

**Walt Stoy, Thomas E. Platt, Debra A. Lejeune "Mosby's EMT basic text book"
Update Second Edition (2011), Mosby/JEMS; ISBN: 9780323047692.**

**Caroline N. "Nancy Caroline's Emergency Care in the Streets" Sixth
Edition(Hardcover) Jones & Bartlett Publishers; 6 edition (March 2, 2007) ISBN-10:
0763729078; ISBN-13: 978- 0763729073.**

(7) Reference Books:

**Amanda Blaber "Foundation of paramedic practice: a theoretical perspective"
Second Edition (2011), Mc Graw Hill; open university press, ISBN-10:03352228900;
ISBN-13: 9780-3335222896.**

**Walt Stoy, Thomas E. Platt, Debra A. Lejeune "Mosby's EMT basic text book"
Update Second Edition (2011), Mosby/JEMS; ISBN: 9780323047692.**

**Caroline N. "Nancy Caroline's Emergency Care in the Streets" Sixth
Edition(Hardcover) Jones & Bartlett Publishers; 6 edition (March 2, 2007) ISBN-10:
0763729078; ISBN-13: 978- 0763729073.**

**Handbook of Emergency Medical Services (Saudi Red Crescent Authority
2023)**

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Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
EMS Education	EMS-353-1	1		1	3	5	None

Course Instructor Name: Dr. Rayan AlHarbi

E.mail: rjalharbi@jazanu.edu.sa

Office Hours:

Lecture Time : Sunday 11:00 am to 11.50 am

(1) Brief Course Description :

The course describes the types of educators, their roles and responsibilities. This course will provide the students with the basic idea of standards in education in context of EMS. Students are taught various elements of the standards and their implementation in the classroom. They also understand the concept of critical thinking, learning and various theories given for the learning styles.

(2) Course Objectives:

The course is designed to train and upgrade the capabilities of the students to think critically and teach emergency medical services. It covers all the details of EMS education, preparation of material, presentation and delivery in an educational setting.

المرفقات :

التاريخ :

الرقم :

(3) Course Contents:

FOUNDATIONS OF EMS EDUCATION

The Context of EMS Education.

Philosophical Foundations of Education.

Ethics, Standards, and Legal Considerations in EMS Education.

CONTEXTS AND SETTINGS OF PRACTICE

Institutions, Settings, and Types of Programs .

LEARNERS AND LEARNING .

The Traits & Needs of Learners.

The Psychology of Learning.

THE EMS EDUCATOR

Qualities, Competencies, Roles & Responsibilities of EMS Educators.

Midterm Examination (20 Marks)

PROGRAM PLANNING AND CURRICULUM DEVELOPMENT.

Overview of the Educational Planning and Curriculum Development Processes.

Determining Educational Needs.

Developing Instructional Objectives.

Packaging the Curriculum.

EVALUATION .

Program Evaluation.

Educational Measurement.

Student Evaluation & Remediation.

Presentation (10 Marks);

DELIVERY OF EDUCATION

Selection of Materials and Media .

Preparing the Lesson Plan.

(4) Course Teaching Strategies:

Lectures in class rooms in order to introduce the basic information

Group discussion

(5) Assessment Criteria:

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Mid-Term Exam	7-9	30
2.	Assignments	16	15
3.	Class Assessment	Continuous	05
4.	Final Exam	18-20	50
5.	Total		100

(6) Text Book:

- **Foundations of Education: An EMS Approach 2nd Edition by National Association of EMS Educators (NAEMSE)**

- **Foundations of EMS Systems by Bruce Walz, Jason Zigmont**

(7) Reference Books:

- **"Paramedic: On the Front Lines of Medicine" by Peter Canning**

- **"Rescuing Providence" by Michael Morse.**

1. The Journal of Emergency Medicine (The Official Journal of the American Academy of Emergency Medicine)

2. Journal of Emergency Medical Services

3. American Journal of Emergency Medicine

- **4. International Journal of Emergency Medicine**



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Ministry of Education

وزارة التعليم

Jazan University

جامعة جازان

كلية التمريض والعلوم الصحية College of Nursing and Health Sciences

Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Advanced Emergency Care	EMS342	2	0	2	3	5	EMS 211-5

Course Instructor Name: Dr. Ateeq Almuwallad

E.mail: .amarzooq@jazanu.edu.sa

Office Hours:

Lecture Time : Monday 01:00 PM to 02:50 AM

(1) Brief Course Description :

This course introduces the paramedic student the actual paramedic practice, it covers introduction to EMS system, paramedic wellbeing and injury prevention, Ethical responsibilities of a paramedic professional etc.

المرفقات :

التاريخ :

الرقم :

المملكة العربية السعودية – جازان ص.ب : 114 هاتف : 013295000

تحويلة : 4040-4004 البريد الإلكتروني : cnhs@jazanu.edu.sa



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(2) **Course Objectives:**

- At the end of this course, the students will be able to: Identify elements needed for effective EMS systems operations
- Describe the paramedic's role in a patient care situation
- Describe components and benefits of wellness
- Outline benefits of healthy lifestyle choices
- Identify measures to reduce work-related injury/illness
- Identify normal/abnormal anxiety and stress reactions
- Give examples of stress-reduction techniques
- Describe structure of legal system
- Relate how laws affect paramedic practice
- List situations paramedic must report
- List four elements of negligence
- Describe how paramedics can protect themselves from claims of negligence
- Describe actions in refusal of care situation
- Describe legal considerations regarding patient transportation
- Distinguish between professional, legal, and moral accountability

(3) **Course Contents:**

Unit-1: EMS Systems:

Roles and Responsibilities

- key historic events in EMS
- elements needed for effective EMS systems operations

Differentiate between the four levels of EMS provide

Unit-2: The well being of paramedic:

Unit-3: Injury prevention

Unit-4: Medical Legal issues

المرفقات :

التاريخ :

الرقم :

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(4) **Course Teaching Strategies:**

Lecture & Practical sessions

(5) **Assessment Criteria:**

Assignment 1	4 th week	5%
Midterm Exam	8 th week	30%
Assignment 2	10 th week	10%
Continuous Assessment	12 th week	5%
Final Exam	15 th week	50%

(6) **Text Book:**

Goodman Gillman,
Tripathy,
Rang & Dale,
Internet,
Ross & Willson,
Mosby Textbook

(7) **Reference Books:**

www.medicine.com

* www.ncbi.nlm.nih.gov/pubmed

* Medicare website

المرفقات :

التاريخ :

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Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Practical Tutorial	Credit			
EMS Cardiology and ECG Int.	EMS322-4	3 Hours	2 Hours	4 Hours	3 rd	5	EMS Pharmacology & Drug Administration for EMS/EMS221-3

Course Instructor Name: Dr. Bahja Siddig

E.mail: Bsiddig@jazanu.edu.sa

Office Hours:

Sunday, 08:00-11:00

Thursday, 08:00-12:00

Lecture Time:

Theory: Wednesday, 08:00-11:00

Practical: Wednesday. 11:00-13:00 & 13:00-15:00

(1) Brief Course Description:

This course prepares the students for the advance paramedic care to the cardiovascular emergencies and ECG abnormalities which are common in pre-hospital, emergency, and intensive care settings

The course focuses on pathophysiology, assessment, diagnosis and management of these cardiac emergencies with regards of regional and global protocols

(2) Course Objectives:

1. Identify risk factors and prevention strategies associated with cardiovascular disease. الرقم :

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2. Describe the normal anatomy and physiology of the heart.
3. Discuss electrophysiology as it relates to the normal electrical and mechanical events in the cardiac cycle
4. Outline the activity of each component of the electrical conduction system of the heart.
5. Demonstrate basic monitoring techniques that permit interpretation of an electrocardiogram (ECG).
6. Correlate the relationship of the ECG tracing to the electrical activity of the heart.
7. Describe in sequence the steps in ECG interpretation.
8. Identify the rhythm, site of origin, possible causes of arrhythmias, and clinical significance and the prehospital management indicated.
9. Able to handle patients with Mega codes of arrhythmias by performing advanced cardiac support (ACLS).
10. List indications, contraindications, and prehospital considerations when using selected cardiac interventions, including basic life support, monitor-defibrillators, defibrillation, implantable cardioverter-defibrillators, synchronized cardioversion, and transcutaneous cardiac pacing.
11. Demonstrate prehospital assessment and management of patients with selected cardiovascular disorders based on knowledge of the pathophysiology of the illness.
12. List indications, contraindications, dose, and mechanism of action for pharmacological agents used to manage cardiovascular disorders.
13. Identify appropriate actions to terminate resuscitation in the prehospital settings

(3) Course Contents:

1. Anatomy and physiology of the heart and CVS.
2. Electrophysiology of the heart
3. ECG interpretation
4. Arrhythmias
5. Clinical assessment of cardiac patient
6. Vaso-occlusive disorders, atherosclerosis and DVT
7. Ischemic heart diseases and acute coronary syndrome
8. Hypertension and related emergencies
9. Heart failure and cardiogenic shock
10. Cardiac tamponade, Aortic Aneurysm
11. Stroke
12. ACLS

(4) Course Teaching Strategies

Both formative and summative strategy for teaching and assessment so as to obtain continuous feedback, as well as periodic assessment to improve the learning process

- Classrooms for theoretical part: 60%
- Advanced simulation lab for practical sessions: 40%

المرفقات :

التاريخ :

الرقم :

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(5) Assessment Criteria:

Blueprint-based rubrics for both practical and theoretical sections.

- Midterm theory exam, MCQs: 20%
- Final theory exam, MCQs: 40%
- Final practical exam, OSCE: 20%
- ECG Interpretation test: 5%
- Assignment: 5%
- ACLS assessment: 5%
- Attendance and Discipline: 5%

(6) Text Book:

Sanders M. "Mosby's Paramedic Textbook

(7) Reference Books:

- Course lecture notes
- AHA Manual for ACLS
- Caroline N . "Nancy Caroline's Emergency Care in the Streets" 9th Edition (August 12 2022)
- Lippincott's "accurate ECG interpretation

المرفقات :

التاريخ :

الرقم :

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Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Medical Emergencies for EMS	EMS323-4	3 Hours/wk.	2 Hours/wk.	4 Hours/wk.	3 rd Year	5	EMS241-3 Patient assessment for EMS

Course Instructor Name: Dr. Bahja Siddig

E.mail: Bsiddig@jazanu.edu.sa

Office Hours:

- Sunday, 08:00-11:00
- Thursday. 08:00-11:00

Lecture Time

- Theory: 08:00-11:00
- Practical: 11:00-13:00, 13:00-15:00

(1) Brief Course Description

This course prepares the students for the advance paramedic care to the selected medical crisis and emergencies which are common in pre-hospital settings

(2) Course Objectives:

- Identify emergencies related to endocrinology.
- Describe the diagnosis and definitive management of anaphylaxis.
- Describe the gastrointestinal emergencies and their pre-hospital management.
- List the renal emergencies and their managements.
- Identify common environmental conditions and their management.
- Identify common toxicology problems, body substance isolation & precautions the communicable diseases.
- List the common hematological emergencies and their management.
- Learn about blood, blood component and blood transfusion.

المرفقات :

التاريخ :

الرقم :

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(3) Course Contents:

- Endocrine emergencies(1)
- Endocrine emergencies (Diabetic emergencies2)
- GIT bleeding
- GIT Emergencies
- Renal emergencies; acute renal failure, Renal replacement therapy (Dialysis) and Hyperkalemia.
- Allergies and anaphylaxis
- Common toxicology problems
- Alcohol Related Disorders
- Infectious and communicable diseases.
- Neurological Emergencies
- Hematological emergencies.
- Blood component & blood transfusion
- Environmental Emergencies

(4) Course Teaching Strategies

Both Formative and Summative,

- Lecture
- Seminars/Assignments/Presentations
- Collaborative learning/Team work/Project
- Role playing
- Practical sessions/Demonstration in Lab.
- Audio-visual Materials /Multimedia
- “Skills” sheets practice and testing

(5) Assessment Criteria:

Blueprint-based rubrics for both practical and theoretical sections.

- Midterm theory exam, MCQs: 20%
- Final theory exam, MCQs: 40%
- Final practical exam, OSPE: 20%
- Case Study quiz 5%
- Assignment: 5%
- Clinical skills assessment: 5%
- Attendance and Discipline: 5%

(6) Text Book:

- Sanders M. "Mosby's Paramedic Textboo
- Caroline N."Nancy Caroline's Emergency Care in the Streets

(7) Reference Books

- OXFORD text book of medicine.
- OXFORD hand book of emergency medicine -4th edition
- Tintinalli's, Emergency medicine, 7th edition.

المرفقات :

التاريخ :

الرقم :

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Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Pulmonary Emergencies & Airway Management	EMS 343 - 4	75	0	4	3 rd	5 th	221 – 3

Course Instructor Name: Dr. Elsie Maguen Valdez

E.mail: emaguen@jazanu.edu.sa

Office Hours: 1:00 – 2:pm (Sundays) & 12:00 – 2:00pm (Thursday)

Lecture Time: 8:00 – 1:00pm (S), 10:00 – 3:00pm (M), 8:00 – 4:50Pm (T)
Hospital Duty (W), 8:00 – 1:00Pm (Th)

(1) **Brief Course Description:** This course enables the students to use proper airway maneuvers and adjuncts during the respiratory crisis and emergencies; it covers all the aspects of respiratory system in the prehospital care perspective

(2) **Course Objectives:**

Students should be able to:

- Demonstrate confidence in making acute care airway management decisions.
- Perform the most appropriate method of airway management based on a variety of patient presentations.
- Utilize various tools and adjuncts for managing the difficult airway.

المرفقات :

التاريخ :

الرقم :

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(3) Course Contents:

Anatomy of the Upper Airways (T)
Assessment of the Thorax and the Lungs (P)
Anatomy of the Lower Airways (T)
Skills Demonstration: Physical Assessment of the Thorax & Lungs (P)
Physiology of Respiration: Gas Exchange (T)
Physiology of Respiration: Gas Transport and Regulation of Breathing (T)
Introduction to Respiratory Equipment and Procedures (P)
Lung Volumes & Capacities (T)
Oxygen Therapy (P)
Pulmonary Physics and Circulation (T)
Skills Demonstration: Oxygen Therapy (P)
Emergency Clinical Care (T)
Administration of Respiratory Medications (P)
Airway Assessment (T)
Airway Management: Non -invasive (P)
Clinical Assessment (T)
Airway Management: Advanced Air Adjuncts Invasive (P)
Respiratory Emergencies (T)
Skills Demonstration: Advanced Air Adjuncts Invasive (P)

(4) Course Teaching Strategies

- Lectures/Demonstrations
- Brain storming.
- Group discussion.
- Problem based learning and case studies
- Return demonstration
- Video presentations

المرفقات :

التاريخ :

الرقم :



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المملكة العربية السعودية

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(5)

Assessment Criteria:

College of Nursing and Health Sciences كلية التمريض والعلوم الصحية

Assessment Activities	Percentage of Total Assessment Score
Midterm Examination	20%
Final Theoretical Examination	40%
Final Practical Examination	20%
Laboratory Activities	15%
Attendance and Participation	5%

- (6) **Text Book:** Sanders, M. J.; McKenna K. D. (2019). Sanders' paramedic textbook. (5th ed). Jones & Bartlett Learning.
- (7) **Reference Books:** Mistovich, J.J.; Karren, K.J. (2018). Prehospital: Emergency care. (11th ed.) Pearson Education Inc.

المرفقات :

التاريخ :

الرقم :

المملكة العربية السعودية – جازان ص.ب : 114 هاتف : 013295000

تحويلة : 4040-4004 البريد الإلكتروني : cnhs@jazanu.edu.sa



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كلية التمريض والعلوم الصحية College of Nursing and Health Sciences

Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Special Considerations in EMS	EMS 324 - 4	75	0	4	3 rd	6th	322 - 4 323 - 4

Course Instructor Name: Dr. Elsie Maguen Valdez

E.mail: emaguen@jazanu.edu.sa

Office Hours: 1:00 – 2:pm (Sundays) & 12:00 – 2:00pm (Thursday)

Lecture Time: 8:00 – 1:00pm (S), 10:00 – 3:00pm (M), 8:00 – 4:50Pm (T)
Hospital Duty (W), 8:00 – 1:00Pm (Th)

(1) **Brief Course Description:** This course focuses on the principles of assessment, care and management of patients with special considerations in any pre-hospital care setting including geriatrics, obstetrics/gynecology and psychiatric emergencies.

(2) **Course Objectives:**

Students should be able to:

- Recognize behaviors that pose a risk to the EMT, patient, or others.
- Determine the major signs and symptoms of emergencies that affect the patients with special considerations.
- Integrate assessment findings with principles of pathophysiology, care and management including knowledge of psychosocial needs to formulate a field impression
- Implement a comprehensive treatment plan for patients with special considerations

المرفقات :

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(3) Course Contents:

Anatomy of the Female Reproductive System (T)
Pregnancy Terminologies & Assessment of a Pregnant Woman (P)
Maternal Changes During Pregnancy (T)
Antepartum Emergencies (T1)
Assessment & Management of Antepartum Emergencies (P)
Intrapartum Emergencies (T)
Stages of Labor & Normal Delivery (P)
Intrapartum Emergencies (T)
Stages of Labor & Normal Delivery (P)
Postpartum Emergencies (T)
Assessment & Management of Postpartum Emergencies (P)
Trauma during Pregnancy (T)
Assessment Based Approach for Trauma in Pregnancy
Cardiac Arrest in a Pregnant Patient (T)
CPR during pregnancy (P)
Newborn Care
Assessment & Management of Neonatal Emergencies (P)
Aging and Geriatric Emergencies(T)
Assessment Based Approach in Geriatric Emergencies (P)
Trauma in Geriatrics (T)
Assessment Based Approach in Trauma Among Geriatrics (P)
Psychiatric Emergencies (T1)
Assessment and Management of Psychiatric Patients(P)

(4) Course Teaching Strategies

- Lectures/Demonstrations
- Brain storming.
- Group discussion.
- Problem based learning and case studies
- Return demonstration
- Video presentations

المرفقات :

التاريخ :

الرقم :

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(5) **Assessment Criteria:**

Assessment Activities	Percentage of Total Assessment Score
Midterm Examination	20%
Final Theoretical Examination	40%
Final Practical Examination	20%
Laboratory Activities	15%
Attendance and Participation	5%

(6) **Text Book:** Sanders, M. J.; McKenna K. D. (2019). Sanders' paramedic textbook.
(5th ed). Jones & Bartlett Learning.

(7) **Reference Books:** AAOS. (2017). Nancy Caroline's emergency care in the street (8th ed).
Jones & Bartlett Learning

المرفقات :

التاريخ :

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Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Trauma Emergencies in EMS	EMS331	4	-	4	2025	9	242 EMS 343 EMS

Course Instructor Name: Dr. Naif Harthi

E.mail: nharthi@jazanu.edu.sa

Office Hours:

Monday: 1:00 pm to 3:00 pm

Tuesday: 10:00 am to 12:00 pm

Wednesday: 8:00 am to 12:00 pm

Thursday: 8:00 am to 2:00 pm

Lecture Time: 12:00 pm to 2:00 pm

• Brief Course Description

This course builds confidence in the paramedic students in dealing with trauma and emergencies related with the trauma. It covers all the aspect of trauma in the emergency care perspective.

المرفقات :

التاريخ :

الرقم :

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• **Course Objectives:**

At the end of this course, the students will be able to:

1. Handle all the types of traumas.
2. Complete the scene size up and proper trauma patient assessment
3. Deal with any life-threatening conditions during patient assessment.
4. Do Proper management of various types of traumas, like fractures, sprains, spinal trauma and burns.
5. Use spinal immobilization devices properly
6. Do proper airway management in the trauma patients.
7. Decompress the chest in case of tension pneumothorax.
8. Perform assessment and management of head injury patients.

• **Course Contents:**

No	List of Topics	Contact Hours
	<u>Unit-1: EMS Systems:</u> <u>Roles and Responsibilities</u> Key historic events in EMS Elements needed for effective EMS systems operations Differentiate between the four levels of EMS provide	12
	<u>Unit-2: The well-being of paramedic:</u>	6
3.	<u>Unit-3: Injury prevention</u>	6
4.	<u>Unit-4: Medical Legal issues</u>	6
Total		30

المرفقات :

التاريخ :

الرقم :

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• Course Teaching Strategies

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	30	100%
2	E-learning		
3	Hybrid <ul style="list-style-type: none">Traditional classroomE-learning		
4	Distance learning		

• Assessment Criteria:

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Theoretical midterm Examination	6	20
2.	Essay Assignment	9	15
3.	Oral Presentation	10	20
4.	Final Theoretical Examination	13	40
5.	Attendance, behaviors, attitude	All weeks	5

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

Textbook:

1- Sanders M. "Mosby's Paramedic Textbook - Revised Reprint - Text and VPE Package" (Hardcover) Mosby/JEMS; 3 edition (July 9, 2007) ;ISBN-10: 0323049354; ISBN-13: 978-0323049351 .

2- Naemt, "Pre-hospital trauma life support" Seventh Edition (2011), Elsevier Mosby JEMS, ISBN-10: 0323065023, ISBN-13: 978-0323065023

Reference Books:

1- Caroline N . "Nancy Caroline's Emergency Care in the Streets" Sixth Edition(Hardcover) Jones & Bartlett

Publishers; 6 edition (March 2, 2007) ISBN-10: 0763729078; ISBN-13: 978-0763729073.

2- Amanda Blaber "Foundation of paramedic practice: a theoretical perspective" First Edition (2008), Mc

Graw Hill; open university press, ISBN-10:0335222890; ISBN-13: 9780-3335222896.

المرفقات :

التاريخ :

الرقم :

المملكة العربية السعودية – جازان ص.ب : 114 هاتف : 013295000

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Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Clinical Practice 2	382-3-EMS	-	6	3	2025	6	EMS381-3

Course Instructor Name: Dr. Naif Harthi

E.mail: nharthi@jazanu.edu.sa

Office Hours:

Monday: 1:00 pm to 3:00 pm

Tuesday: 10:00 am to 12:00 pm

Wednesday: 8:00 am to 12:00 pm

Thursday: 8:00 am to 2:00 pm

Lecture Time: 3:00 pm to 8:50 pm

(1) Brief Course Description

The purpose of this course is to train the students to provide emergency care for patients with obstetric, geriatric and psychiatric emergencies, focusing on the pre-hospital assessment and management of patients in a specific population including geriatrics, obstetrics/gynecology (OB/GYN), psychiatric patients. This course will also focus on the assessment and management of trauma emergencies

(2) Course Objectives:

At the end of the course the students should be able to:

Demonstrate the ability to perform an effective systematic patient assessment and care for patients with Obstetric, geriatric & psychiatric emergencies.

Describe steps involved in normal of labor.

Demonstrate the standard required for the management of pregnancy related emergencies.

Demonstrate development of clinical problem-solving skills and appropriate decision making in the management of obstetric emergencies.

المرفقات :

التاريخ :

الرقم :

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Describe and demonstrate competency in managing patients with trauma emergencies.

Explain concepts related to neonatal resuscitation and care.

Demonstrate effective communication with peers, university staff and patients in a simulated environment in a professional manner.

(3) Course Contents:

No	List of Topics	Contact Hours
1.	Introduction to the course: Review of Baseline Vital Signs and patient assessment	6
2.	Management of labor and delivery	6
3.	Bleeding complications during pregnancy and their management: Abortion, ectopic pregnancy, Placenta previa and Abruptio placenta.	6
4	Medical complications during pregnancy and their management: Gestational hypertension, Gestational diabetes mellitus.	6
5	Assessment and management of behavioral and psychiatric emergencies: depression, Suicide, Schizophrenia, anxiety disorders.	6
6	General principles in assessment of the geriatric patients	6
7	Assessment and management of trauma emergencies	6
8	Hospital rotation 1: Students should be able to summarize the findings in assessment and management of trauma and medical emergencies.	6
9	Hospital rotation 2: Students should be able to summarize the findings in assessment and management of behavioral and psychiatric emergencies.	6
10	Hospital rotation 3: Students should be able to summarize the findings in assessment and management of obstetric emergencies.	6
Total		60 Hours

(4) Course Teaching Strategies

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	60 Hours	100%
2	E-learning		
3	Hybrid <ul style="list-style-type: none">Traditional classroomE-learning		
4	Distance learning		

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(5) Assessment Criteria:

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Attendance and participation	Continuous assessment	5%
2.	Clinical skills assessment 1	4	10%
3.	Clinical skills assessment 2	6	10%
4.	Case presentation	8	10%
5.	Major assignment	9	15%
6.	Final practical exam	11	30%
7.	Final written exam	11	20%

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

(6) Textbook:

Sanders M. "Mosby's Paramedic Textbook - Revised Reprint - Text and VPE Package" (Hardcover) Mosby/JEMS; 4th edition (2012); ISBN-10: 0323049354; ISBN-13: 978-0323049351.

Caroline N. "Nancy Caroline's Emergency Care in the Streets" 9th Edition (August 12 2022) (Hardcover) Jones & Bartlett Publishers; 7TH edition (2010) ISBN-10: 0763729078; ISBN-13: 978-0763729073.

(7) Reference Books:

Sanders M. "Mosby's Paramedic Textbook - Revised Reprint - Text and VPE Package" (Hardcover) Mosby/JEMS; 4th edition (2012); ISBN-10: 0323049354; ISBN-13: 978-0323049351.

Caroline N. "Nancy Caroline's Emergency Care in the Streets" 9th Edition (August 12 2022) (Hardcover) Jones & Bartlett Publishers; 7TH edition (2010) ISBN-10: 0763729078; ISBN-13: 978-0763729073.

Amanda Blaber "Foundation of paramedic practice: a theoretical perspective" Second Edition (March 1, 2012), Mc Graw Hill; open university press, ISBN-10: 0335222890; ISBN-13: 9780-3335222896.

Oxford handbook of emergency medicine

Clinical Practice Guidelines of Emergency Medical Services (Saudi Red Crescent Authority 2022).



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Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial/ Field	Credit			
Clinical Practice 3	EMS483-3	-	6 Hours	3Hours	4 th	7	EMS382-3 (Clinical practice -2)

Course Instructor Name: Dr. Bahja Siddig

E.mail: Bsiddig@jazanu.edu.sa

Office Hours:

Sunday, 08:00-11:00

Thursday, 08:00-11:00

Lecture Time

Sunday, 08:30- 14:00

(1) Brief Course Description

This course is meant to make students aware about various drugs, equipment and procedures performed in clinical scenarios. The student observes various emergency care procedures and recapitulates the advanced emergency knowledge

(2) Course Objectives:

The student should be able to

- Practice the patient assessment techniques (including comprehensive history, physical examination and ability to reason through patient presentations) under supervision of the healthcare professionals).
- Stablish good theoretical knowledge and practice advance life support through recapitulating ECG, ABG, Intubation, ACLS, and demonstrating related practical skills

(3) Course Contents:

ABG Sampling and interpretation

2-Advanced Airway Techniques

3-ECG Interpretation, and Arrhythmias

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- 4-Acute Coronary Syndrome
- 5-ACLS
- 6 -Shock.
- 7 -Spinal injuries.
- 8 -Tension Pneumothorax
- 9 -pain management
- 10- Hospital rounds and Red Crescent training.

(4) Course Teaching Strategies

- Lectures: Advanced theoretical Knowledge.
- Advanced simulation lab: Practice of ACLS, Airway management and intubation.
- Field: Hospital and Red C.

(5) Assessment Criteria:

- 1-OSCE and Skills. (%20)
- 2-OSPE(%20) .
- 3-Attendance(%10)
- 4-Interpretation skills (ABG &ECG): 10%
- 6-Case report presentations (%20)
- 7-Written Final exam, MCQs(%20)

(6) Text Book:

- 1- Sanders M. Mosby's "Paramedic Textbook
- 2- Caroline N."Nancy Caroline's Emergency Care in the Streets

(7) Reference Books:

- 1- AHA manual for ACLS
- 2- OXFORD hand book of emergency medicine -8th edition
- 3- Red crescent Protocols for Paramedics

المرفقات :

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Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Clinical Decision Making	EMS444-2	-	4 Hours	2 hours	4 th year	7	<ul style="list-style-type: none">EMS324-4 (Special Consideration in EMS)EMS331-4 (Trauma Emergencies in EMS)

Course Instructor Name: Dr. Bahja Siddig

E.mail: Bsiddig@jazanu.edu.sa

Office Hours:

Sunday, 08:00-11:00

Thursday, 08:00-11:00

Lecture Time

Tuesday: 08:00-12:00

(1) Brief Course Description

Through this course, the student will learn and practice how to apply the basic principles of emergency care. He will be able to identify and manage common medical emergencies and common problems related to trauma patients. The course also explains how clinical decision making can be used to achieve evidence-based care by using PBL strategy.

(2) Course Objectives:

At the end of this course the student should be able to:

- Outline the key components of critical thinking process and its use in paramedic practice.
- Obtain prehospital provisional diagnosis after obtaining initial available data.
- Utilize proper equipment and medications in the prehospital setting according to the situation.

Manage common emergency trauma and medical cases in the Prehospital care setting. الرقم 4040-4004 البريد الإلكتروني : cnhs@jazanu.edu.sa

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(3) Course Contents:

.BLS, ACLS, ATLS review and patient assessment techniques

Medical case: Case study 1: Patient with Chest pain

.Trauma case: Case study 1: Patient with Blunt chest injury

.Medical case: Case study 2: Patient with difficult breathing

.Trauma case: Case study 2: Patient with head injury

Medical case: Case study 3: Patient with severe headache

Trauma case: Case study 3: Patient with a gunshot wound

Medical case: Case study 4: Unconscious female

Trauma case: Case study 4: Assaulted male

Medical case: Case study 5: Semiconscious patient

Trauma case: Case study 5: Trapped in a House Fire

Medical case: Case study 6: Elderly patient with confusion

Trauma case: Case study 6: Patient with Multiple Injuries

Medical case: Case study 7: Patient with nausea and headache

Trauma case: Case study 7: Patient with Spinal Trauma

Medical case: Case study 8: Patient with seizures

Trauma case: Case study 8: Patient with traumatic cardiac arrest

Medical case: Case study 9: Patient with palpitation and dyspnea

Trauma case: Case study 9: Patient with a stab wound

(4) Course Teaching Strategies

Active learning through PBL strategy in advanced simulator laboratory and lecture room, with summative assessment.

(5) Assessment Criteria:

Fair, transparent, and reliable assessment tasks as follows:

- Written Examinations:

Midterm Exam (MMCQs): 20%

Final Exam (MMCQs, MEQ- Modified Essay Qs) 40%

- Case presentation and discussion 20%

- Clinical Decision-Making abilities and skills 20%

(PBL Continuous assessment)

(6) Text Book:

Rahm S. " Trauma Case Studies for the Paramedic "

Medical Case Studies For The Paramedic, Stephen J. Rahm

(7) Reference Books:

- All learning materials for the previous semesters: Medical emergencies, ECG. and cardiovascular diseases, pulmonary and airway management, trauma, pediatrics and special considerations.

- Computer-based programs/CD: Virtual patient encounter for EMS (Prehospital care)

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Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
EMS Rescue & Operations	EMS 432 - 2	45	0	2	4	7 th	331 - 4

Course Instructor Name: Dr. Elsie Maguen Valdez

E.mail: emaguen@jazanu.edu.sa

Office Hours: 1:00 – 2:pm (Sundays) & 12:00 – 2:00pm (Thursday)

Lecture Time: 8:00 – 1:00pm (S), 10:00 – 3:00pm (M), 8:00 – 4:50Pm (T)
Hospital Duty (W), 8:00 – 1:00Pm (Th)

(1) **Brief Course Description:** The course aims to introduce to students the necessary skills required to safely operate ambulance vehicles while responding to an emergency and while transferring the patient to designated final care center. In addition, the course teaches the students the ethics and basics of how to manage multiple patients that usually arise in cases of disasters. Furthermore, students will learn the essentials of planning and responding via team approach with the main intention to save maximum lives of the sick and the injured.

(2) **Course Objectives:**

Students should be able to:

- Discuss standards governing ambulance performance and specifications and when to appropriately use aero medical services in pre-hospital setting.
- Explain factors considered for appropriate timing of medical and mechanical skills during rescue operations
- Outline pre-hospital assessment and management during mass casualty incidents and disasters.

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(3) Course Contents:

Ambulance Operations & Air Medical Transport (T)
Loading and Unloading Patients (P1)
Simulation activity of the Phases of an Ambulance call (P2)
Ambulance Operations & Air Medical Transport (T)
Medical Repatriation (P)
Mass Casualty Incidents & Incident Command System (T)
Case Studies/Scenario on ICS & Triage
Paper Triage Exercises
Hazardous Materials (T)
Exercises on Hazardous Materials (P)
Rescue Awareness and Operations (T)
EMS Report Writing/Documentation (P)
Bioterrorism (T)
Dispatch Natures (P)
Crime Scene Awareness (T)
Case Scenarios/Study Related Activities

(4) Course Teaching Strategies

- Lectures/Demonstrations
- Brain storming.
- Group discussion.
- Problem based learning and case studies
- Role playing or simulation activities
- Video presentations

(5) Assessment Criteria:

Assessment Activities	Percentage of Total Assessment Score
Midterm Examination	20%
Final Theoretical Examination	40%
Final Practical Examination	20%
Laboratory Activities	15%
Attendance and Participation	5%

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(6) **Text Book:** Sanders, M. J.; McKenna K. D. (2019). Sanders' paramedic textbook. (5th ed). Jones & Bartlett Learning.

(7) **Reference Books:** Caroline, N. (2017) "Nancy Caroline's Emergency Care in the Streets" 8th ed. Jones and Barlett
American Academy of Orthopedic Surgeons. (2017). Emergency: Care and transport of the sick and the injured. (11th ed). Jones and Barlett Learning

المرفقات :

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Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Pediatrics & neonatal emergency	EMS425	2	1	3	4	7	EMS 324

Course Instructor Name: Dr. Ateeq Almuwallad

E.mail: amarzooq@jazanu.edu.sa

Office Hours:

Lecture Time : Monday 08:00 AM to 11:50 AM

(1) Brief Course Description :

This course prepares the paramedic student about the emergency care of neonatal and pediatric age group,

differences in the management as compared to the adult patients and immediate precaution that must be taken after the delivery.

(1) Course Objectives:

At the end of this course, the students will be able to:

1. Identify risk factor for neonatal resuscitation
2. Describe physiological adaptations at birth
3. Outline prehospital assessment and management of a newborn
4. Describe interventions to manage emotional needs of neonate's family
5. Identify the role of emergency medical services for children.
6. Identify modifications in patient assessment techniques needed for each developmental level
7. Outline principles of assessment and management of children
8. Describe pathophysiology, signs, symptoms, and management of common prehospital emergencies in children.

المرفقات :

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(2) **Course Contents:**

Paramedic's role in pediatric care
Developmental stages and approach strategies
Growth and development review
Normal physiological considerations.
Assessing a pediatric patient

(3) **Course Teaching Strategies :**

Lecture & Practical sessions

(4) **Assessment Criteria:**

Quiz 1	4 th week	7.5%
Midterm Exam	8 th week	20%
Quiz 2	10 th week	7.5%
Continuous Assessment	12 th week	5%
Final Practical exam	14 th week	20%
Final Exam	15 th week	40%

(5) **Text Book:**

Goodman Gillman,
Tripathy,
Rang & Dale,
Internet,
Ross & Willson,
Mosby Textbook

(6) **Reference Books:**

www.medicine .com

* www.ncbi.nlm.nih.gov/pubmed

* Medicare website

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Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Public Health and Safety for Paramedics	353GSC	2	0	2	4	7	NIL

Course Instructor Name: Dr. Rayan Alharbi

E.mail: rjalharbi@jazanu.edu.sa

Office Hours:

Monday: 8:00 AM to 12 AM

Tuesday: 8:00 AM to 12 AM

Lecture Time:

Theory: Next semester

Practical:

(1) Brief Course Description

This course offers basic knowledge to students on how to write a research proposal with improved technical writing skills. This course is also to provide knowledge about reporting observational/experimental research, writing up to the date literature review, clear results and critical discussion and conclusions. Besides, the course is to provide information on plagiarism and on a different system of bibliography mainly Vancouver citing & referencing system. This course will also expose students to a wide variety of published research and help them to make them assess its quality in terms of completeness of background or introduction, clarity on the research question, appropriateness of research design, quality of results, adequacy of statistical methods used; their applicability and generalization.

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(2) Course Objectives:
Students should be able to:

- Demonstrate basic concepts in critical appraisal of research proposal.
- Use the information to complete the sentence, identify statements, match the factors related to different sections of research proposal.
- Present the results and findings in proper tables, figures and illustrations.
- Know issues related to writing, citing & format of references used in research reports.
- Interpret and disseminate of the results and findings.

(3) Course Contents:

No	List of Topics
1.	Introduction to research
2.	Title page writing
3.	Introduction section writing
4.	Study aim section writing
5.	Methodology
6.	Results
7.	Data analysis
8.	Discussion and conclusion
9.	Critical appraisal

(4) Course Teaching Strategies

Both formative and summative strategy for teaching and assessment so as to obtain continuous feedback to improve the learning process

- Classrooms for theoretical part: 100%

(5) Assessment Criteria:

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Quiz 1	5	10%
2.	Mid-term theory examination	7 - 9	20%
3.	Quiz 2	10	10%
4.	Oral Presentation	14	20%
5.	Weekly short assignments (summary writing)	1 - 15	40%
6.	Total	100%	



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(6) Text Book:

Hazari, A. (2023). Research Methodology for Allied Health Professionals. A comprehensive guide to Thesis & Dissertation. *Springer Nature Singapore*.

(7) Reference Books:

Supportive References	Saudi Digital Library https://sdl.edu.sa/SDLPortal/en/Publishers.aspx
Electronic Materials	Saudi Digital Library https://sdl.edu.sa/SDLPortal/en/Publishers.aspx
Other Learning Materials	Singh, Y. K. (2006). Fundamental of research methodology and statistics. New Age International.

المرفقات :

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Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Public Health and Safety for Paramedics	EMS 451	1	0	1	4	7	NIL

Course Instructor Name: Dr. Rayan Alharbi

E.mail: rjalharbi@jazanu.edu.sa

Office Hours:

Monday: 8:00 AM to 12 AM

Tuesday: 8:00 AM to 12 AM

Lecture Time:

Theory: Saturday 01:00 PM to 01:50 PM

Practical: Nil

(1) Brief Course Description

This course discusses the principles of public health in the emergency care field, how it helps in health promotion and decreasing the occurrence of injury.

(2) Course Objectives:

Students should be able to:

- Demonstrate confidence in health promotion and injury prevention activities .
- Correlate the importance and role of EMS in public health.
- Evaluate a situation to determine opportunities for injury or disease prevention.
- Recognize how individual determinants of health affect population health.
- Determine the core public health functions and services

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(3) Course Contents:

No	List of Topics
1.	Introduction to Public Health
2.	Injury Prevention and Health Promotion
3.	Injury Prevention: Public Health Approach
4.	EMS Involvement and Public Health
5.	Public Health Services
6.	Public Health Competencies
7.	Principles of Health Management
8.	Principles of Public Health Emergencies
9.	Emergency Public Health and Humanitarian Assistance on the 21 st Century

(4) Course Teaching Strategies

Both formative and summative strategy for teaching and assessment so as to obtain continuous feedback to improve the learning process

- Classrooms for theoretical part: 100%

(5) Assessment Criteria:

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Midterm Theory Exam Final Theory Exam	Week 7 - 9 Week 18 - 20	30% 50%
2.	Major Assignment	Week 10	15%
3.	Attendance and participations	Week 1 - 16	5%
4.	Total		100%

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(6) Text Book:

Tan, C.C., Karim A.Q., Guilliford, M., Detels, R. (2017). *Oxford textbook of global public health*. (6th ed). Oxford University Press

(7) Reference Books:

Supportive References	<ul style="list-style-type: none">Sanders, M. J.; McKenna K. D. (2019). <i>Sanders' paramedic textbook</i>. (5th ed). Jones & Bartlett Learning. Lecture Notes
Electronic Materials	<ul style="list-style-type: none">Saudi Digital Librarywww.cdc.gov/publichealthgatewaywww.ems.govwww.nhtsa.gov

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Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Evidence Based Practice	EMS471-1	1		1	4	8	None

Course Instructor Name: Dr. Mohtashim Lohani

E.mail: mlohani@jazanu.edu.sa

Office Hours:

Lecture Time : Wednesday 10:00 am to 10.50 am

(1) Brief Course Description :

This course will provide the student with the Principles of evidence based practice, roles and hierarchies of evidence, assessing the methodological quality of evidence. Clinical decision making, critical incidents associated with the decision making process, implementing evidence based findings. Models of reasoning, documentation associated with clinical decision making in pre-hospital care. Logical fallacies. Evaluate the relevance of care plans to pre-hospital care. Critique current protocols, algorithms and clinical practice guidelines in relation to the process of making clinical decisions

(2) Course Objectives:

In this subject, students understand the discipline of evidence based practice and apply these principles to the paramedic domain. This subject also introduces and develops competence in diagnostic reasoning within the context of advanced paramedical practice. Emphasis is laid on the importance of utilizing evidence based clinical decision-making in the field of paramedic and emergency care.

المرفقات :

التاريخ :

الرقم :

(3) Course Contents:

Principles of evidence based practice, roles and hierarchies of evidence
Assessing the methodological quality of evidence ,
Clinical decision making, models of reasoning
logical fallacies
Critical incidents associated with the decision making process
Implementing evidence based findings
Documentation associated with clinical decision making in pre-hospital care, Evaluate the
relevance of care plans to pre-hospital care
Critique current protocols, algorithms and clinical practice guidelines in relation to the
process of making clinical decisions

(4) Course Teaching Strategies:

Lectures in class rooms in order to introduce the basic information

Group discussion

(5) Assessment Criteria:

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Mid-Term Exam	7-9	30
2.	Assignments	16	15
3.	Class Assessment	Continuous	05
4.	Final Exam	18-20	50
5.	Total		100

المرفقات :

التاريخ :

الرقم :

(6) Text Book:

- Heneghan C, Badenoch D. "Evidence-based Medicine Toolkit (Evidence- Based Medicine) (2nd Edition) " (Paperback) BMJ Books; 2 edition (April 21, 2006) ISBN-IO: 0727918419; ISBN-13: 978-0727918413
 - Evidence-Based Practice Workbook, 2nd Edition. [Paul P. Glasziou](#), [Chris Del Mar](#), [Janet Salisbury](#). ISBN: 978-1-4051-6728-4, 208 pages, December 2007, BMJ Books

(7) Reference Books:

- Straus S, Richardson W, Glasziou P, Haynes R, Strauss S. "Evidence Based Medicine : How to Practice and Teach EBM" Churchill Livingstone; 4 edition (2010) ISBN-IO: 0443074445; ISBN-13: 0-702-03127-5
- Evidence-Based Practice in Nursing & Healthcare: A Guide to Best Practice Second Edition
- by [Bernadette Mazurek Melnyk PhD RN CPNP/PMHNP FNAP](#) (Author), [Ellen Fineout-Overholt PhD RN FNAP FAAN](#) (Author)
- A Beginner's Guide to Evidence-Based Practice in Health and Social Care Second edition Paperback – 31 May 2013. by [Helen Aveyard](#) (Author)

Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Emergency Service Administration	EMS463-2	2		2	4	8	None

Course Instructor Name: Dr. Mohtashim Lohani

E.mail: mlohani@jazanu.edu.sa

Office Hours:

Lecture Time : Sunday 9:00 am to 10.50 am

(1) Brief Course Description :

Students learn about: Manager and leader, Values statements, Culture. Managing power, basic management skills. Employee needs, what employees want. Increase supervisor/subordinate communication, Foster a supportive work environment, Delegate tasks when appropriate institute sound performance appraisal and coaching programs, foundations of motivation. Team building and participation, Leadership defined. Establishing vision for the organization, Competency, Communication, Conflict resolution, Ethics and the leader. Why EMS leadership fails and why EMS teams fail. EMS human resources management. Human resources activities for staffing. Methods of assessing job standards. Job descriptions and specifications. Academic Predictors for Health Care Workers, Meyers Briggs. Strategic Planning for EMS, SWOT Analysis.

(2) Course Objectives:

This course prepares the student to become a leader/manager of an emergency management team and prepares them for the administration activities required. It discusses the details of planning, controlling, implementing and auditing the effectiveness of the service administration.

المرفقات :

التاريخ :

الرقم :

(3) Course Contents:

Manager and leader, Values statements

Culture. Basic management skills, Employee needs, what employees want

Increase supervisor/subordinate communication

Foster a supportive work environment

Foundations of motivation

Team building and participation

Leadership defined

Ethics and the leader

Why EMS leadership fails and why EMS teams fail

EMS human resources management

Human resources activities for staffing

Methods of assessing job standards

Job descriptions and specifications

Strategic Planning for EMS

SWOT analysis

(4) Course Teaching Strategies:

Lectures in class rooms in order to introduce the basic information

Group discussion

(5) Assessment Criteria:

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Mid-Term Exam	7-9	30
2.	Assignments	16	15
3.	Class Assessment	Continuous	05
4.	Final Exam	18-20	50
5.	Total		100

(6) Text Book:

1. Wolper, L Health Care Administration: Planning, Implementing, and Managing Organized Delivery Systems. Sudbury, MA: Jones and Bartlett Publishers, Inc. ISBN-13: 978-0763731441.
- 2 - McLaughlin, Daniel 8., Julie M, Ph. don Hays "Healthcare Operations Management" (Hardcover) Health Administration Press (May 15,2008) ISBN-I3: 978-156793288

(3) Reference Books:

- Evans B, Dyar J "Management of EMS" Prentice Hall Publisher; 1st edition (February 6, 2009)); SBN-I0: 0132324326;ISBN-13:9780132324328
- Enhancing Individual and Team Performance in Fire and Emergency Services by Christine Owen; Mary Omedei. Call Number: eBook, ISBN: 9781409453062, Publication Date: 2014
- Introduction to Emergency Management by M.K. Lindell, C. Prater, R.W. Perry, ISBN: 9780471772606

Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Total Quality Management	EMS461-1	1		1	4	8	None

Course Instructor Name: Dr. Mohtashim Lohani

E.mail: mlohani@jazanu.edu.sa

Office Hours:

Lecture Time : Sunday 11:00 am to 11.50 am

(1) **Brief Course Description :**

This course will provide the student with the underlying principles & techniques of Total Quality Management (TQM) with emphasis on their application to technical organizations. Students will develop a working knowledge of the best practices in Quality & Process Management. Students will learn to view quality from a variety of functional perspectives & in the process, gain a better understanding of the problems associated with improving quality & tools utilized in service & international environment.

(2) **Course Objectives:**

Gain knowledge on the quality management process & key quality management activities through understanding different perspectives on quality and understand the importance of rendering Total Quality Management in rendering patient care.

المرفقات :

التاريخ :

الرقم :

(3) Course Contents:

Scope & Purpose of Quality Management (Process & Product Quality)
Development of Quality Management in Various Institutions including Health Care Systems
Basic Steps in Quality Management (Requirements, Procedures & Policies)
Quality Assurance Standards (Planning & Control)
Quality Assurance Process
Importance of Quality Standards in Various Institutions. Quality Management Tools & Guidelines
Concept of Quality Management in Health Care
Approaches for a Quality Assurance Program; Models of Quality Assurance
Stages of Development of International Standards. Benchmarking & Continuous Quality Improvement (CQI)

(4) Course Teaching Strategies:

Lectures in class rooms in order to introduce the basic information

Group discussion

(5) Assessment Criteria:

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Mid-Term Exam	7-9	30
2.	Assignments	16	15
3.	Class Assessment	Continuous	05
4.	Final Exam	18-20	50
5.	Total		100

المرفقات :

التاريخ :

الرقم :

(6) Text Book:

- **Total quality in healthcare: from theory to practice** by Ellen Marszalek-Gaucher, Richard James Coffey. Jossey-Bass Publishers, 1993 - Business & Economics - 615 pages.
- **Quality Management in Health Care: Principles and Methods** by Donald Lighter, Douglas C. Fair
- Bou, J.C., and I. Beltran. "Total Quality Management, High-Commitment Human Resource Strategy and Firm Performance: An Empirical Study." *Total Quality Management* 16, no. 1 (2005): 716.Link:

(3) Reference Books:

- Ahire, S. L. 1997. Management Science- Total Quality Management interfaces: An Integrative Framework. *Interfaces* 27 (6) 91-105.
- Goetsch, D.L., and S.B. Davis. *Total Quality Handbook*. Upper Saddle River, NJ: Prentice Hall, 2001.
- Ross, J.E., and S. Perry. *Total Quality Management: Text, Cases and Readings*. 3rd ed. Boca Raton, St. Lucie Press, 1999.



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Ministry of Education

وزارة التعليم

Jazan University

جامعة جازان

كلية التمريض والعلوم الصحية College of Nursing and Health Sciences

Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Critical & Intensive Care Practices	EMS426-4	3	1	4	4	8	444EMS

Course Instructor Name: Dr. Mazharul Haque

E.mail: .mazharulhaque@jazanu.edu.sa

Office Hours:

Lecture Time : Theory- Monday 12 Noon to 2:50 PM

Practical- Wednesday 1:00 PM to 2:50 PM

- Brief Course Description :** This course will equip those working as EMS with both theoretical and practical understanding of the Emergency Medical Services Systems. It will cover the basics of primary survey, secondary survey, resuscitation, patient examination and history taking, making judgments of life threats, communicating in the health care setting, providing medical handover and documentation.
- Course Objectives:** The course discusses the advance emergency and critical care of a patient. At the end of the course, the students should be able to do the following-
 - Recognize the various modes of transportation of patients.
 - Perform an ABG analysis.
 - Recognize various respiratory emergencies.
 - Demonstrate Rapid Sequence Intubation (RSI).
 - Describe various cardiovascular emergencies.
 - Demonstrate Cardiopulmonary Resuscitation (CPR).
 - Explain how to use an Automated External Defibrillator (AED).
 - Define various medical emergencies.
 - Recognize various poisonings and environmental conditions.

المرفقات :

التاريخ :

الرقم :

المملكة العربية السعودية – جازان ص.ب : 114 هاتف : 013295000

تحويلة : 4040-4004 البريد الإلكتروني : cnhs@jazanu.edu.sa



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(3) Course Contents:

Theory:

- 1- Transport
- 2- Arterial Blood Gas Analysis
- 3- Respiratory System
- 4- Respiratory emergencies I
- 5- Respiratory Emergencies II
- 6- Cardiovascular Emergencies I
- 7- Cardiovascular Emergencies II
- 8- Medical Emergencies A
- 9- Medical Emergencies B
- 10- Medical Emergencies C
- 11- Toxicology
- 12- Environmental Conditions

Practical:

- 1- ABG
- 2- Respiratory Airway Assessment
- 3- Orotracheal Intubation
- 4- Needle decompression for Tension Pneumothorax
- 5- ECG
- 6- CPR
- 7- Intracranial Pressure Monitoring
- 8- Oro-Gastric Tube Intubation
- 9- Placing Urinary Catheter

(4) Course Teaching Strategies:

Lectures in class rooms in order to introduce the basic information

Group discussion

(5) Assessment Criteria:

Midterm Theory	20
Final Theory	40
Final Practical	20
(In Laboratory Assessment + Main Assessment)	(5 + 15)
or	or
(Assessment related to laboratory*)	(20)



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(6) **Text Book:**

Caroline N. "Nancy Caroline's Emergency Care in the Streets" Seventh Edition(Hardcover) Jones & Bartlett Publishers

Link:

https://books.google.com.sa/books?id=7uk0GJckmy0C&printsec=frontcover&redir_esc=y#v=onepage&q&f=false

(7) **Reference Books:**

Sedgwick ML, Watson J, Dalziel K, Carrington DJ, Cobbe SM. Efficacy of out of hospital defibrillation by ambulance technicians using automated external defibrillators: the Heartstart Scotland Project. Resuscitation 1992; 24:73–87. 4-
www.esciencecentral.org/...critical-care.../pdf/bedside-critical-care-guide

Herlitz J, Bång A, Axelsson A, Graves JR, Lindqvist J. Experience with the use of automated external defibrillators in out of hospital cardiac arrest.
<https://pubmed.ncbi.nlm.nih.gov/9667331/>

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Course Description

Course Title	Course Code	Number of Study Hours			Year	Level	Prerequisites
		Theoretical	Tutorial	Credit			
Mass Gathering & Disaster Management	EMS462	2	-	2	2025	8	-

Course Instructor Name: Dr. Naif Harthi

E.mail: nharthi@jazanu.edu.sa

Office Hours:

Monday: 1:00 pm to 3:00 pm

Tuesday: 10:00 am to 12:00 pm

Wednesday: 8:00 am to 12:00 pm

Thursday: 8:00 am to 2:00 pm

Lecture Time: 12:00 pm to 2:00 pm

(1) Brief Course Description

The course is meant to prepare the paramedic student for the necessary knowledge and skills that are used in the management of disaster situations. The course will focus on people in disaster, disaster cycle, geographic, need for incident command system, incident command system, declaring a major incident mass casualty incidents, principles and techniques of triage and natural disasters

المرفقات :

التاريخ :

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(2) Course Objectives:

At the end of this course, the students will be able to:

1. Explain the need for the incident management system and identify the components of effective incident command system.
2. Describe the activity of Preplanning, Scene management, Post-disaster follow-Up phases of an incident.
3. Discuss the Role and functions of command in managing major medical incidents.
4. Describe the principles techniques of triage.
5. Demonstrate the use of regional triage tagging system used for primary and secondary triage.

(3) Course Contents:

No	List of Topics	Contact Hours
1.	Introduction: People in disaster, Disaster cycle, Geographic, Need for incident command system.	3
2.	Incident command system	3
3.	Finance and administration	3
4.	Logistics & Operations	3
5	Planning: Command function, Section responsibilities.	3
6	Declaring a major incident	3
7	Preparing for a major incident	3
8	Post-disaster follow-up	3
9	Mass casualty incidents	3
10	Principles and techniques of triage	3
Total		30

المرفقات :

التاريخ :

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(4) Course Teaching Strategies

No	Mode of Instruction	Contact Hours	Percentage
1	Traditional classroom	30	100%
2	E-learning		
3	Hybrid <ul style="list-style-type: none"> Traditional classroom E-learning 		
4	Distance learning		

(5) Assessment Criteria:

No	Assessment Activities *	Assessment timing (in week no)	Percentage of Total Assessment Score
1.	Theoretical midterm Examination	5	30
2.	Essay Assignment	9	8
3.	Oral Presentation	9	7
4.	Final Theoretical Examination	13	50
5.	Attendance, behaviors, attitude	All weeks	5

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

(6) Textbook:

Sanders M. Mosby's "Paramedic Textbook - Revised Reprint -Text and VPE Package" (Hardcover) Mosby/JEMS; 3 edition (July 9, 2007); ISBN-IO: 0323049354; ISBN-13: 978-0323049351. Graw Hill; open university press, ISBN-10:03352228900; ISBN-13: 9780-3335222896.

(7) Reference Books:

Hogan D, Burstein J. "Disaster Medicine" (Hardcover) Lippincott Williams & Wilkins; Second Edition (March 1, 2007) ISBN-IO: 0781762626; ISBN-13: 978-0781762625.

Sanders M. Mosby's "Paramedic Textbook - Revised Reprint -Text and VPE Package" (Hardcover) Mosby/JEMS; 3 edition (July 9, 2007); ISBN-IO: 0323049354; ISBN-13: 978-0323049351. Graw Hill; open university press, ISBN-10:03352228900; ISBN-13: 9780-3335222896.

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