



Course Specifications

Institution	College of dentistry
Academic Department:	Department of maxillofacial surgery & diagnostic sciences
Program:	BDS
Course:	Basic Life Support (311 MED)
Course Coordinator :	Maher Aboelgheit
Program Coordinator:	Abdul Rahman Al Atram
Course Specification Approved Date :	16/ 11 / 1436 H



A. Course Identification and General Information

1 - Course title :	Basic Life Support	Course Code:	(311 MED)
2. Credit hours :	2 hours		
3 - Program(s) in which the course is offered:	Dentistry.		
4 – Course Language :	English		
5 - Name of faculty member responsible for the course:	Maher Aboelgheit		
6 - Level/year at which this course is offered :	3rd year		
7 - Pre-requisites for this course (if any) :	<ul style="list-style-type: none"> • 113 ANA , 113 PLS 		
8 - Co-requisites for this course (if any) :	<ul style="list-style-type: none"> • 		
9 - Location if not on main campus :	Zulfi		
10 - Mode of Instruction (mark all that apply)			
A - Traditional classroom	<input checked="" type="checkbox"/>	What percentage?	30 %
B - Blended (traditional and online)	<input checked="" type="checkbox"/>	What percentage?	10 %
D - e-learning	<input checked="" type="checkbox"/>	What percentage?	5 %
E - Correspondence	<input type="checkbox"/>	What percentage? %
F - Other	<input checked="" type="checkbox"/>	What percentage?	55 %
Comments :	Using smart board, attractive Audio-visual Aids and practical demonstration .		

B) Objectives:

What is the main purpose for this course?
 The course gives an overview of the anatomy of cardiovascular respiratory system with special emphasis on vital signs and common medical emergencies and their initial management with first aid procedures . the course is augmented with practical sessions to demonstrate cardiopulmonary resuscitation procedure (CPR) and first aid measures .

Briefly describe any plans for developing and improving the course that are being implemented :
 It is better to take the student to general hospital emergency and ICU departments to see life clinical cases and its management in case of emergency situations and to take a tour in the operating room to see the general anesthesia specialist during management of airway and using of emergency drugs to improve the student practical skills of the course.



C. Course Description

1. Topics to be Covered

List of Topics	No. of Weeks	Contact Hours
Introduction <ul style="list-style-type: none"> • First aid priorities • (DRSABC) code • Assessment of the victim • SAMPLE history tool • Signs and symptoms • Vital signs 	1	1
Anatomy of Cardiovascular respiratory system <ul style="list-style-type: none"> • Functions of the Cardiovascular System • Anatomy of the Heart • Conduction System of the Heart • Sympathetic Innervation • Coronary Circulation • Pulmonary and Systemic Circuits • Vessels and Circulation • Organization and Functions of the Respiratory System • Upper Respiratory Tract • Paranasal Sinuses • Lower Respiratory Tract • Gross Anatomy of the Lungs 	3	3
Basic Life Support <ul style="list-style-type: none"> • Introduction • Chain of survival • Sequences of basic life support • Cardiopulmonary resuscitation • 2010 (New): A change in the 2010 AHA Guidelines • 2005 (Old): The sequence of adult CPR • The CABDs of BLS • Chest compression • Airway management • Breathing and rescue breaths • Defibrillation • Automated external defibrillator (AED) • When Can I Stop CPR? • Why CPR May Fail • Injuries Related to CPR • Complications of CPR • CPR Age Groups 	3	3
First Aid Foreign Body Obstructed Airway adult-child-infant <ul style="list-style-type: none"> • Signs and Symptoms of (FBOA) 	3	3



<ul style="list-style-type: none"> • Conscious choking victim • Management of airway obstruction in child • Management of airway obstruction in infants • Recovery position <p>BLEEDING</p> <ul style="list-style-type: none"> • Classification of bleeding • Control Methods For External Bleeding <p>POISONING</p> <ul style="list-style-type: none"> • Definition of poisoning • Types of poisoning • Classification of poisons • Route of exposure • Diagnosis of poisoning • Physical examination • Fundamentals of poisoning management <p>SHOCK</p> <ul style="list-style-type: none"> • Types of Shock • Approach to the Patient in Shock • Diagnosis of shock • Hypovolemic Shock • Cardiogenic Shock • Anaphylactic shock <p>FRACTURE,DISLOCATION AND SPRAIN</p> <ul style="list-style-type: none"> • Introduction • Types of fracture <p>SPLINTING</p> <ul style="list-style-type: none"> • Types of splinting • Emergency Code Awareness • Hospital Emergency Codes 		
<p>Common Medical Emergencies</p> <ul style="list-style-type: none"> • Introduction • Patient medical history • Determination of medical risk • Emergency drug box and equipment • Vasovagal syncope • Hyperventilation • Acute asthma • Angina / Myocardial infarction • Seizure • Diabetic emergency • Allergies / Hypersensitivity reaction • Adrenal insufficiency • Hypertensive crisis • Hypotension • cardiac arrest 	<p>3</p>	<p>3</p>



2. Course components (total contact hours and credits per semester):

	Lecture	Tutorial	Laboratory	Practical	Other:	Total
Contact Hours	13	.....	.....	13	.....	26
Credit	1	.....	.....	1	.....	2

3. Additional private study/learning hours expected for students per week.

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4. Course Learning Outcomes in NQF Domains of Learning and Alignment with Assessment Methods and Teaching Strategy

	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
1.0	Knowledge		
1.1	Describe and understand anatomy of cardiovascular system.	Lectures, textbook articles, discussion, audiovisual, & practical training	MCQs exams, short essay exams, OSPE & quizzes.
1.2	Describe and understand anatomy of respiratory system .	Lectures, textbook articles, discussion, audiovisual, & practical training	MCQs exams, short essay exams, OSPE & quizzes.
1.3	Understand and know how to apply basic life support and cardiopulmonary resuscitation on different age groups .	Lectures, textbook articles, discussion, audiovisual, & practical training	MCQs exams, short essay exams, OSPE & quizzes.
1.4	Recognize and gain knowledge about first aids and its importance .	Lectures, textbook articles, discussion, audiovisual, & practical training	MCQs exams, short essay exams, OSPE & quizzes.
1.5	Understanding and know how to diagnose and manage common medical emergencies.	Lectures, textbook articles, discussion, audiovisual, & practical training	MCQs exams, short essay exams, OSPE & quizzes.





	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
2.0	Cognitive Skills		
2.1	Student should be able to identify and differentiate between various medical emergency and how to diagnose them .	websites, seminars & practical demonstrations.	Written exam and oral quizzes & review test
2.2	Student should be able to identify various medical emergency drugs and the use of every drug in different medical situations .	websites, seminars & practical demonstrations.	Written exam and oral quizzes & review test
2.3	Student should able to know how to diagnose and apply first aids and manage victims in emergency situation	websites, seminars & practical demonstrations.	Written exam and oral quizzes & review test
2.4	Student should able to know how to record vital signs and discover any abnormality .	websites, seminars & practical demonstrations.	Written exam and oral quizzes & review test
2.5	Student should identify victims in emergency situations who need CPR.	websites, seminars & practical demonstrations.	Written exam and oral quizzes & review test
3.0	Interpersonal Skills & Responsibility		
3.1	Students will work in groups of two rescuers during CPR .	Eye to eye contacts and group works.	Group discussions and practical observation
3.2	Students will do group presentations and research .	Group works and presentations.	Group discussions and presentation evaluation .
4.0	Communication, Information Technology, Numerical		
4.1	Communication with each other and with the teaching stuff.	By using attractive Audiovisual Aids. Justifications and brief descriptions	Group discussions and practical observation
4.2	Vital signs recording and communication with patient during practical sessions.	By using attractive Audiovisual Aids. Justifications and brief descriptions	Group discussions and practical observation
4.3	Communication with each other during CPR application on training models .	By using attractive Audiovisual Aids. Justifications and brief descriptions	Group discussions and practical observation
5.0	Psychomotor		
5.1	Teaching students how to apply techniques of cardiopulmonary resuscitation for adult , child and infants.	Demonstration and supervision.	Practical exam using artificial models and observation.





	NQF Learning Domains And Course Learning Outcomes	Course Teaching Strategies	Course Assessment Methods
5.2	Teaching students how to measure vital signs.	Demonstration and supervision.	Patient vital signs recording and observation
5.3	Teaching students how to deal with airway problems.	Demonstration and supervision.	Practical exam using artificial models and observation.
5.4	Teaching students how to work in emergency situation with calm personality .	Demonstration and supervision.	Practical exam using artificial models and observation.

5. Schedule of Assessment Tasks for Students During the Semester:

	Assessment task	Week Due	Proportion of Total Assessment
1	Midterm written examination	8	25%
2	Midterm practical examination	8	15%
3	Behavior and attitude	During 1st semester	5%
4	Research	3	2%
5	Presentation	4	1%
6	Quiz	7	2%
7	Oral exam	8	10%
8	Final written examination	15	25%
9	Final practical examination	15	15%
10	Total		100%

D. Student Academic Counseling and Support

Students are supported academic guidance during office hours and provide them with guidance and advice, as well as scientific knowledge of students' problems and how to solve it.

E. Learning Resources

1. List Required Textbooks :





- **BLS for healthcare providers (student manual)By American heart association 2011..**
- **The complete first aid handbook DR PIPPA KEECH 2011.**

2. List Essential References Materials :

- **American heart association manuals and its update for BLS .**

3. List Recommended Textbooks and Reference Material :

- **BLS for healthcare providers (student manual) By American heart association 2011..**
- **The complete first aid handbook DR PIPPA KEECH 2011.**

4. List Electronic Materials :

- **www.procpr.org**
- **Majmaah university site (mu.edu.sa)**

5. Other learning material :

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F. Facilities Required

1. Accommodation

- **A class room with a seating capacity of 20 students, equipped with a projector and smart board.**
- **A well-equipped laboratory with artificial models for training .**

2. Computing resources

- **Computer classroom.**
- **Internet connection.**

3. Other resources

- **Practical demonstration**
- **Equipped laboratory.**
- **Emergency equipments for practical sessions.**

G Course Evaluation and Improvement Processes

1 Strategies for Obtaining Student Feedback on Effectiveness of Teaching:

- **Make questionnaires.**
- **Perform theoretical examination.**
- **Make seminars.**

2 Other Strategies for Evaluation of Teaching by the Program/Department Instructor:

- **Assess the teacher's abilities and potentials by observations and assistance from colleagues, independent assessment of standards achieved by students, independent advice on assignment tasks.**





3 Processes for Improvement of Teaching :

- **Updating the educational process, involving in research**
- **Teachers will be subjected to go for up gradation of knowledge by attending the relevant conferences and will be encouraged to carry on a self-improvement.**

4. Processes for Verifying Standards of Student Achievement

- **Make 1st midterm, quiz and final examinations.**
- **Make practical evaluation to assess the student skill progress.**
- **Perform a questionnaire to evaluate the student's experience.**

5 Describe the planning arrangements for periodically reviewing course effectiveness and planning for improvement :

- **Prepare work sheet for review; refresh the previous knowledge, and panel discussions.**

Course Specification Approved
Department Official Meeting No (1) Date 16 / 03 / 1437 H

Course's Coordinator

Name : Maher Aboelgheit

Signature :

Date : 16/ 03 / 1437 H

Department Head

Name : Moutaz Kheirallah

Signature : 

Date : 16/ 03 / 1437 H

