



King Saud University

Applied Medical Sciences College  
Quality and Development Unit

## Course Syllabus

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|--|--|
| <b>Course title and code:</b>                    | Basic Emergency Care (CHS 243)   |
| <b>Department :</b>                              | Department of Community Health   |
| <b>Program in which the course is offered:</b>   | Programs of Clinical Nutrition, Health Education, Biomedical Tech-Instruments, Clinical Laboratory Sciences (CLS), Radiological Sciences (RAD), Dental Hygiene (DECA)<br>Dental Technology ( DETE), Physical Therapy ( RHLP)<br>Optometry Doctor(ODOP);Bachelor degree |
| <b>Credit hours:</b>                             | 2 hours ( 1 theoretical + 1 practical)   |
| <b>Total contact hours per semester</b>          | Lectures 15 hours / practical 30 hours / total 45 hours  |
| <b>Level at which this course is offered:</b>    | Level 8 / year 4 except CLS and RAD in level 3/ year 2;<br>RHLP,ODOP,DECA and DETE in level 4 / year2  |
| <b>Course prerequisites:</b>                     | CHS267,CHS343,CHS435   |
| <b>College member responsible for the course</b> | Dr. Badreah M. AL Hussain  |
| <b>Contact information:</b>                      |  |
| <b>Office Number:</b>                            | 3 <sup>rd</sup> floor – 196 b  |
| <b>Phone :</b>                                   | 0118055084   |
| <b>Email:</b>                                    | balhussain@ksu.edu.sa  |
| <b>Office hours:</b>                             | Sunday 9-10<br>Monday 9-10<br>Tuesday 9-10<br>Thursday 9-10  |

**Course Description**

This course in basic emergency care emphasizes how to recognize and render assistance to the ill or injured in situations likely to be encountered by emergency response personnel. In addition, it emphasizes first aid and CPR for those ill or injured where there is an airway obstruction, respiratory arrest, cardiac arrest, severe bleeding, shock, actual or suspected fractures, head injuries, or other life threatening environmental circumstances requiring emergency response.

**Course Objectives:**

By the end of this course, students should be able to:

- Recognize the clinical concepts in the primary care emergencies and increase their experience in this area.
- Acquire competence in assessing patients in emergencies by completing a primary and secondary survey properly.
- Develop skills needed to provide first aid treatment and cardiopulmonary resuscitation in situations likely to be encountered by emergency response personnel.
- Identify various forms of illness and injury commonly associated with emergencies.
- Develop skills needed to reduce the loss of blood, dress wounds, splint fractures, and immobilize limbs as needed.
- Describe how to remove injured persons from hazardous locations and safely transport them to medical facilities.
- Recognize first aid for environmental emergencies including burns, heat and chemical burns, and electrical emergencies.

### **Teaching strategies**

The course will be conducted in the form of interactive lectures, practical sessions including demonstration of illustrations related to the study topics, videos, power point presentation, assignment and discussion.

### **Learning Resources**

#### **Required Text (s)**

**Frank M. Pierson.** (2007). Principles & Techniques of Patient Care. 4th edition. Saunders.

#### **Essential References**

*-St John Ambulance, St Andrew's first aid and the British Red Cross. (2011). FIRST AID MANUAL 9<sup>th</sup> Edition.*  
**-American Heart Association AHA.** (2012). Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care.

#### **Recommended Journals**

- Emergency Care Journal  
(<http://www.pagepressjournals.org/index.php/ecj/index>)
- Emergency Medicine Journal (EMJ) <http://emj.bmj.com/>

#### **Electronic Materials and Web Sites**

- Learn CPR. <http://depts.washington.edu/learncpr/>
- First Aid & Safety.  
[http://kidshealth.org/parent/firstaid\\_safe/#cat31](http://kidshealth.org/parent/firstaid_safe/#cat31)
- First Aid – Tripod. [http://first\\_aid\\_4all.tripod.com/](http://first_aid_4all.tripod.com/)

| <b>Topics to be Covered</b>                                      |                    |                      |
|--|--------------------|----------------------|
| <b>List of Topics</b>  | <b>No of Weeks</b> | <b>Contact hours</b> |
| <b>Introduction to Basic Emergency Care</b>                      | <b>2</b>           | <b>6</b>             |
| <b>Vital signs</b>   | <b>3</b>           | <b>9</b>             |
| <b>Patient Assessment</b>  | <b>1</b>           | <b>3</b>             |
| <b>Patient Transfer</b>  | <b>1</b>           | <b>3</b>             |
| <b>Emergency Kit (First Aid Kit and AED), contents and uses.</b> | <b>1</b>           | <b>3</b>             |
| <b>Types of, fractures, complications, management</b>            | <b>2</b>           | <b>6</b>             |
| <b>Bleeding, burns and wounds</b>                                | <b>2</b>           | <b>6</b>             |
| <b>Shock: Types, causes, and management.</b>                     | <b>1</b>           | <b>3</b>             |
| <b>Medical emergencies</b>                                       | <b>1</b>           | <b>3</b>             |
| <b>Basic Life support</b>  | <b>1</b>           | <b>3</b>             |

#### **Schedule of Assessment Tasks for Students During the Semester**

|    | <b>Assessment task</b>   | <b>Week Due</b>                           | <b>Proportion of Total Assessment</b> |  |
|----|--------------------------|---|---------------------------------------|--|
| a. | <b>Midterm I</b>         | 6 <sup>th</sup> week                      | 15 %                                  |  |
| b. | <b>Midterm II</b>        | 11 <sup>th</sup> week                     | 15%                                   |  |
| c. | <b>Assignment</b>        | 10 <sup>th</sup> to 14 <sup>th</sup> week | 10%                                   |  |
| d. | <b>Practical exam</b>    | 6 <sup>th</sup> -15 <sup>th</sup> week    | 20%                                   |  |
| e. | <b>End Semester Exam</b> | 16 <sup>th</sup> -18 <sup>th</sup> week   | 40 %                                  |  |