**Course Syllabus**

**Course title and code:** Basic Emergency Care (CHS 243)

**Credit hours:** 2 hours (1+1)

**Total contact hours per semester:** 30 hours

**Course prerequisites: Nil**

**College member responsible for the course:**

Dr. Badreah Mohamed ALHussain.

**Contact information:**

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**Course Description:**

* This basic 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.
* This course 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.

**Teaching strategies:**

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

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| List of topics | No. of weeks | Contact hours |
| I. Introduction to basic emergency care  Anatomy and physiology | 1 | 3 |
| II. Vital signs | 1 | 3 |
| III. Patient assessment and Care of unconscious patient | 1 | 3 |
| IV. Wound care and bleeding - epistaxis | 1 | 3 |
| V. Burns - Heat illness | 1 | 3 |
| VI. Shock | 1 | 3 |
| VII – Fractures and dislocation | 1 | 3 |
| VIII – Bronchial asthma,  Diabetes mellitus | 1 | 3 |
| IX. Heart attack and stroke | 1 | 3 |
| X. Basic life support   * CPR * CHOCKING | 2 | 6 |
| Revision | 1 | 2 |

**Schedule of Assessment Tasks for Students during the semester**

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| **Assessment task** | **Week due** | **Proportion of final Assessment** |
| Midterm I | 7th week | 15% |
| Mid Term II | 12th week | 15% |
| Practical exam I-II | 7th -15th week | 30% |
| Final Semester Exam | 16th – 17th week | 40% |

Essential References

* The new manual of basic emergency procedures first aid and updated CPR (BLS), Recent CPR Professor DR.Mohamed A.Seraj

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| Recommended references:   * First aid manual by AMERICAN COLLEGE EMERGENCY PHYSICIANS |
| |  |  | | --- | --- | | **Lecture (1):** | Introduction to basic emergency care  Basic anatomy and physiology of:   * Cardiovascular system. * Respiratory system. * Nervous system. * Musculoskeletal system. | | **Lecture (2):** | Vital signs:  Pulse  Respiration.  Temperature.  Blood pressure.  Pupils.  Colors.  Level of consciousness. | | **Lecture (3):** | Patient assessment:  Primary survey.  Secondary survey.  Care of unconscious patient and wound care  Definition of consciousness Causes of unconsciousness.  Emergency care of unconscious patient. | | **Lecture (4):** | Wounds  Types.  Materials for wound care ( dressing, bandage)  General measures for wound care.  Care of minor wounds.  Care of impaled wounds.  Bleeding:  Methods used to control bleeding.  Internal bleeding.  Epistaxis: Causes, First aid treatment ,Hospital management | | **Lecture (5)** | Burns :  Causes.  Classification.  Rule of Nines.  Emergency care. | | **Lecture (6):** | Shock: Definition.  Signs and symptoms.  Classification.  General measures in management. | | **Lecture (7):** | Fractures: Definition.  Types of fractures.  Signs and symptoms.  General principles for treatment.  Application of splints.  Dislocation: definition, signs and symptoms, first aid treatment | | **Lecture (8):** | Bronchial asthma: Definition.  Clinical features.  Management.  Diabetes mellitus :  Classification.  Etiology.  Clinical picture.  Diagnosis.  Management. | | **Lecture (9):** | Heart attack:  Major risk factors.  Coronary artery disease:   * + Angina pectoris.   + Acute myocardial infarction   + Sudden cardiac death.   Management.  Stroke: Definition.  Risk factors.  Clinical manifestations. First aid care. | | **Lecture (10-11):** | Basic life support:  CPR: one man or two men rescuer   * Adult victim * Child up to adolescent. * infant   Chocking: First aid management:   * Adult * Child. * Infant. | | **Lecture (12):** | Revision | |