



Course Specifications

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|----------------------|--|
| Course Title: | Basic Life Support and Common Emergency Problems in Dental Practice. |
| Course Code: | MED 311 |
| Program: | Bachelor of Dental Surgery (BDS) |
| Department: | Department of Medical education |
| College: | College of Dentistry |
| Institution: | Majmaah University |

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A. Course Identification

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|--|
| 1. Credit hours: 2 (1+ 1) hours |
| 2. Course type a. University <input type="checkbox"/> College <input type="checkbox"/> Department <input checked="" type="checkbox"/> Others <input type="checkbox"/> b. Required <input checked="" type="checkbox"/> Elective <input type="checkbox"/> |
| 3. Level/year at which this course is offered: 3 rd Year |
| 4. Pre-requisites for this course (if any): 113 ANA, 113 PSL |
| 5. Co-requisites for this course (if any): None |

6. Mode of Instruction (mark all that apply)

| No | Mode of Instruction | Contact Hours | Percentage |
|----|-----------------------|---------------|------------|
| 1 | Traditional classroom | 15 | 25% |
| 2 | Blended | | |
| 3 | E-learning | | |
| 4 | Correspondence | | |
| 5 | Other | 30 | 70% |

7. Actual Learning Hours (based on academic semester)

| No | Activity | Learning Hours |
|------------------------------|---------------------------------|----------------|
| Contact Hours | | |
| 1 | Lecture | 15 |
| 2 | Laboratory/Studio | 30 |
| 3 | Tutorial | |
| 4 | Others (specify) | |
| | Total | 45 |
| Other Learning Hours* | | |
| 1 | Study | 45 |
| 2 | Assignments | 15 |
| 3 | Library | 15 |
| 4 | Projects/Research Essays/Theses | |
| 5 | Others (specify) | |
| | Total | 75 |

* The length of time that a learner takes to complete learning activities that lead to achievement of course learning outcomes, such as study time, homework assignments, projects, preparing presentations, library times

B. Course Objectives and Learning Outcomes

1. Course Description:- This two-credit hours course consists of two parts; theory and practical. The theoretical part (1 credit hour) is designed to provide Dental students with basic knowledge related to emergency cases. This knowledge includes definition and scope of emergency care, assessment of the victim, vital signs, and emergency care provided for certain cases.

The practical part (1 credit hour, 2 contact hours) provide students with skills needed to care for injured or ill clients until the arrival of advanced medical personnel. In includes assessing vital signs, Basic Life Support (BLS) for adults, children, and Infants, in addition skills needed to care for certain conditions.

2. Course Main Objective:- The main purpose for this course is to equip students with knowledge and essential skills to recognize and provide emergency care for injuries, sudden illness, and CPR until advanced medical personnel arrive and take over.

3. Course Learning Outcomes

| CLOs | | Aligned PLOs |
|----------|--|--------------|
| 1 | Knowledge: | |
| K1.15 | Identify and know the normal structures & functions of human body | K1 |
| K2.5 | Recall Anatomy and physiology of cardiovascular and respiratory system | K2 |
| 2 | Skills : | |
| S1.15 | Correlate the normal and abnormal functions of human body and its effect on the body | S1 |
| S5.2 | Evaluate and manage the medical and dental emergency which can effect dental treatment. | S5 |
| 3 | Competence: | |
| C2.15 | Demonstrate leadership skills and coordinate with fellow colleagues to submit a group task or assignment | C2 |

C. Course Content

| No | List of Topics | Contact Hours |
|----|--|---------------|
| 1 | Introduction Definitions, aims, principles, and boxes of the first aid | 1 |
| 2 | Review Anatomy and physiology of cardiovascular and respiratory system | 2 |
| 3 | Victim Assessment Definition & purposes, scene assessment, primary and secondary survey. | 1 |
| 4 | Vital Signs Temperature, pulse, respiration, blood pressure | 1 |
| 5 | First aid for Unconscious Victims unconscious victims (causes and management) | 1 |
| 6 | First aid for Unconscious Victims CPR, for: adult, child, and infant | 1 |
| 7 | Chocking, foreign body obstruction Definitions of drowning, near drowning, and chocking, their types, and their signs and symptoms | 1 |
| 8 | Hemorrhage and Epistaxis Definitions of hemorrhage, classifications and types. | 1 |
| 9 | Wounds and Wounds Care Definitions, causes, and classifications of wounds | 1 |
| 10 | Burns: | 1 |

| | | |
|--------------|--|---|
| | Definition, types, classifications, and complications | |
| 11 | Fractures and Dislocations: Definition, types, classifications, and complications | 1 |
| 12 | Poisoning, Bites, and Stings Definition of poisoning, causes, types | 1 |
| 13 | Shock Definition, classifications and management | 1 |
| 14 | First aid in case of dental & medical emergencies in dental office First aid for common tooth injuries, fractured/broken tooth, avulsion, hyperventilation, syncope, MI. | 1 |
| Total | | |

D. Teaching and Assessment

1. Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

| Code | Course Learning Outcomes | Teaching Strategies | Assessment Methods |
|------------|--|----------------------------|--|
| 1.0 | Knowledge | | |
| K1.15 | Identify and know the normal structures & functions of human body | Lectures, Practical lab | Written exam. Practical / clinical exam. OSPE / OSCE. Weekly Assignments. |
| K2.5 | Recall Anatomy and physiology of cardiovascular and respiratory system | Lectures, Practical lab | Written exam, Practical / clinical exam. OSPE / OSCE. Weekly Assignments |
| 2.0 | Skills | | |
| S1.15 | Correlate the normal and abnormal functions of human body and its effect on the body | Lectures, Practical lab | Written exams. OSPE / OSCE. Weekly Assignments Approved procedures documented in logbook |
| S5.2 | Evaluate and manage the medical and dental emergency which can effect dental treatment. | Lecture Practical lab | Written exams. OSPE / OSCE. Weekly Assignments Approved procedures documented in logbook |
| 3.0 | Competence | | |
| C2.15 | Demonstrate leadership skills and coordinate with fellow colleagues to submit a group task or assignment | Practical lab | Group discussion,/ assignment, weakly assignment. the work done will be evaluated by rubric . |

2. Assessment Tasks for Students

| # | Assessment task* | Week Due | Percentage of Total Assessment Score |
|---|----------------------------|---|--------------------------------------|
| 1 | Quiz 2(1+1) | Week4 th &Week 7 th | 5% |
| 2 | Midterm exam – Theory | Week 6 th | 20% |
| 3 | Behavior / Professionalism | During the course | 5% |
| 4 | Assignment | During the course | 10% |
| 5 | Weekly Assessment | During the course | 20% |
| 6 | Final Practical Exam | Week 15 th | 20% |
| 7 | Final Theory Exam | Week 16 th | 20% |

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

E. Student Academic Counseling and Support

Arrangements for availability of faculty and teaching staff for individual student consultations and academic advice :

The student shall avail the consultancy during the displayed office hours

F. Learning Resources and Facilities

1. Learning Resources

| | |
|---------------------------------------|---|
| Required Textbooks | Belinda B Hammond and Polly Gerber Zimmermann. Sheehy's Manual of Emergency Care, (7 th Ed.). Mosby. |
| Essential References Materials | Daniel J Limmer, Michael F. O'keefe. (2015). Emergency Care. (13 th Ed.). |
| Electronic Materials | None |
| Other Learning Materials | None |

2. Facilities Required

| Item | Resources |
|--|--|
| Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.) | <ul style="list-style-type: none"> ✓ Lecture room suitable for 30 students ✓ Fully equipped lab for practical sessions |
| Technology Resources (AV, data show, Smart Board, software, etc.) | <ul style="list-style-type: none"> ✓ Projector ✓ Smart board with all the accessories ✓ Internet |
| Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list) | |

G. Course Quality Evaluation

| Evaluation Areas/Issues | Evaluators | Evaluation Methods |
|--|------------|---|
| Effectiveness of teaching and assessment | Students | <ul style="list-style-type: none"> ✓ Course Evaluation Survey ✓ Quality of Exam Survey |
| | Faculty | <ul style="list-style-type: none"> ✓ CLO Mapping with teaching & assessment. ✓ Course Blueprinting ✓ Grade Analysis ✓ Psychometric Analysis |

| Evaluation Areas/Issues | Evaluators | Evaluation Methods |
|---|--|---|
| | Peers | ✓ Grade Verification |
| Extent of achievement of course learning outcomes | Faculty member / Quality assurance committee | ✓ Direct assessment outcome analysis ✓ Course report preparation |
| Quality of learning resources, etc | Students / Faculty | ✓ Academic advising survey ✓ Student experience survey |

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes, Quality of learning resources, etc.)

Evaluators (Students, Faculty, Program Leaders, Peer Reviewer, Others (specify))

Assessment Methods (Direct, Indirect)

H. Specification Approval Data

| | |
|---------------------|--------------------|
| Council / Committee | Department Council |
| Reference No. | Meeting #6 |
| Date | 26/1/1441 |