Course Specifications

Course Title:	**Acute loss of function (Block 3.2)**
Course Code:	**1000302**
Program:	**Bachelor of Medicine, Bachelor of Surgery (MBBS)**
Department:	**Surgery**
College:	**Medicine**
Institution:	**King Faisal University**

Table of Contents

A. Course Identification

1. Credit hours: 6
2. Course type **a.** University ☐ College ☑ Department ☐ Others ☐ **b.** Required ☑ Elective ☐
3. Level/year at which this course is offered: 3rd year
4. Pre-requisites for this course (if any)**:** Pass in all blocks and professional development lines – year 1, year 2
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**	112	100%
2	**Blended**		
3	**E-learning**		
4	**Correspondence**		
5	**Other**		

7. Actual Learning Hours (based on academic semester)

No	Activity	Learning Hours
Contact Hours		
1	**Lecture** /	76
2	**Practical / Laboratory**	18
3	**Tutor sessi**ons	18
	Total	112
Other Learning Hours*		
1	**Study**	50
2	**Assignments**	-
3	**Library**	15
4	**Projects/Research Essays/Theses**	0
5	**Others**(specify)	0
	Total	65

***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

Learn about acute life treating emergency conditions and their sequences.
Understand the common different emergency conditions; including trauma pathophsiology, sequences , complications and management. Pulmonological and cardiac emergencies. Intensive care management of trauma, different types of shock and sepsis.

Perform the needed basic skills for emergency life saving of trauma and shock patients within the simulator

2. Course MainObjective

To equipped students with medical knowledge and basic skills in order to diagnose and manage common types of shock and trauma.

3. Course Learning Outcomes

	CLOs	AlignedPLOs
1	**Knowledge:**	
1.1	Recognize clinical manifestations and consequences of common Manifestations of trauma and different forms of shock.	K2
1.2	Outline different management for common clinical situations including common diagnostic tools, both the pharmacological and non-pharmacological therapies in shock and trauma	K3
2	**Skills :**	
2.1	Analyze manifestations of different types of shock and emergency situations.	S1
2.2	Interpret the findings from problem description, medical history, examinations, and any supplementary testing performed for management.	S2
2.3	Elicit relevant information and perspectives about common problems in shock and acute loss of function from the allotted scenarios	S6
3	**Competence:**	
3.1	Develop a plan for proper management.	C3
3.2	Perform focused physical examination of trauma and shock patients based on the simulators	C2
3.3	Perform different techniques used in trauma and shock management such as insertion of tubes and intravenous lines.	C1

C. Course Content

No	List of Topics	Contact Hours
1	Multiple Injured Patient	14
2	Shock	16
3	Shortness of Breath	11
4	Angina Pectoris & Acute Coronary Syndrome	15
5	Acute Abdomen	13
6	Muscoloskeletal Trau	21
7	Acute Renal Injury	15

8	Mono organ Failure	14
Total		119

D. Teaching and Assessment

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

Code	Course Learning Outcomes	Teaching Strategies	AssessmentMethods
1.0	**Knowledge**		
1.1	Recognize clinical manifestations and common consequences in trauma, and different types of shock patients	1. Theme Lectures 2. Problem solving lectures 3. Tutor's sessions 4. Practical sessions on the simulators 5. Response sessions	1-Final and mid-block MCQ 2-Tutors sessions formative assessment 3-Practical sessions formative assessments 4-Final objective structural practical test (OSPE)
1.2	Outline different management for common clinical situations associated and leading to shock including common diagnostic tools, both the pharmacological and non-pharmacological therapies in shock management	1. Theme Lectures 2. Problem solving lectures 3. Tutor's sessions 4. Practical sessions on the simulators 5. Response sessions	1-Final and mid-block MCQ 2-Tutors sessions formative assessment 3-Practical sessions formative assessments 4-Final objective structural practical test (OSPE)
2.0	**Skills**		
2.1	Analyze manifestations of different types of shock and emergency situations in a systematic manner.	1. Problem solving lectures 2. Tutor's sessions 3. Practical sessions on the simulators 4. Response sessions	1-Final and mid-block MCQ 2-Tutors sessions formative assessment 3-Practical sessions formative assessments 4-Final objective structural practical test (OSPE)
2.2	Interpret the findings from problem description, medical history, examinations, and any supplementary testing performed for management.	1. Problem solving lectures 2. Tutor's sessions 3. Practical sessions on the simulators 4. Response sessions	1-Final and mid-block MCQ 2-Tutors sessions formative assessment 3-Practical sessions formative assessments 4-Final objective structural practical test (OSPE)
2.3	Elicit relevant information and perspectives about common problems in shock and acute loss of function from the allotted scenarios	1. Problem solving lectures 2. Tutor's sessions 3. Practical sessions on the simulators 4. Response sessions	1-Final and mid-block MCQ 2-Tutors sessions formative assessment 3-Practical sessions formative assessments 4-Final objective structural practical test (OSPE)
3.0	**Competence**		
3.1	Develop a plan for diagnosis and	1. Problem solving lectures	1-Final and mid-block

Code	Course Learning Outcomes	Teaching Strategies	AssessmentMethods
	treatment	2. Tutor's sessions 3. Practical sessions on the simulators 4. Response sessions	MCQ 2-Tutors sessions formative assessment 3-Practical sessions formative assessments 4-Final objective structural practical test (OSPE)
3.2	Perform focused physical examination of trauma and shock patients based on the simulators	1. Problem solving lectures 2. Tutor's sessions 3. Practical sessions on the simulators 4. Response sessions	1-Final and mid-block MCQ 2-Tutors sessions formative assessment 3-Practical sessions formative assessments 4-Final objective structural practical test (OSPE)
3.3	Perform different techniques used in trauma and shock management such as insertion of tubes and intravenous lines.	1. Practical sessions on the simulators	1-Continuous Practical skills assessment . 2-Final objective structural practical test (OSPE)

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Mid-block written examination (MCQ; Problem Solving)	5	20%
2	Continuous Practical skills assessment	Weeks 1 to 5	8%
3	Final objective structural practical test (OSPE)	7	12 %
4	Formative tutor's sessions assessment	Weeks1 to 8	20%
5	Final written examination (MCQ)	9	40%

***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 :

Students in need of academic accommodations may consult the faculty during office hours and are required to give reasonable notice prior to requesting an accommodation.

F. Learning Resources and Facilities

1. Learning Resources

Required Textbooks	1. Kumar & Clarks 8th ed.: Clinical Medicine.Elsevier Saunders/ ISBN 978-0-7024-4991/8th ed. /2012 2. Guyton: Text Book of Medical Physiology. Guyton AC, Hall JE. Elsevier Saunders/ 978-1-4160-4574-8/ 12th ed., 2011 3. Essential Surgery, 5th edition,2014 ISBN 978-0-7020-4674 4. Kumar, Robbins Basic Pathology(8thed.)

	5. David J Dandy and Dennis J Edwards: Essential Orthopedics and Trauma (5th ed.,) 6. Moore. Clinically oriented anatomy(6th ed.,) 7. ATLS manual 9th ed., 8. Block 3.2 Manual 9. Practical Manual of Block 3-2
Essential References Materials	
Electronic Materials	
Other Learning Materials	

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Lecture room with multimedia facility (Preparatory year lecture hall to accommodate males and females) Simulation and skills laboratories
Technology Resources (AV, data show, Smart Board, software, etc.)	
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Manikins for Intravenous lines insertion, nasogastric tubes, urinary catheters and chest tubes & Sim man equipment

G. Course Quality Evaluation

Evaluation Areas/Issues	Evaluators	Evaluation Methods
Course Objectives, Content and Learning Outcomes	Curriculum Committee	Course Review Course Report
Effectiveness of teaching	Students	Course Evaluation Survey (QMS Annex B)
Achievement of course learning outcomes	Course Faculty	Moderation (QMS Annex G and Annex H)
Assessment	Course Faculty	Verification
Learning Resources and Facilities	Students Faculty	Course Evaluation Survey Course Report
Student Academic Counseling and Support	Students	Course Evaluation Survey
Course Quality Management	Program Coordinator	Course Report Review

Evaluation areas (e.g., Effectiveness of teaching and assessment, Extent of achievement of course learning outcomes,Quality oflearning resources, etc.)
Evaluators (Students,Faculty, Program Leaders,Peer Reviewer, Others (specify)
Assessment Methods(Direct, Indirect)

H. Specification Approval Data

Council / Committee	College Council
Reference No.	2
Date	September 24, 2019