Course Specifications

Course Title:	**Emotion and senses (Block 2.2)**
Course Code:	**1000202**
Program:	**Bachelor of Medicine, Bachelor of Surgery (MBBS)**
Department:	**Clinical Neurosciences**
College:	**Medicine**
Institution:	**King Faisal University**

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A. Course Identification

1. Credit hours: 6 hours
2. Course type **a.** University ☐ College ☑ Department ☐ Others ☐ **b.** Required ☑ Elective ☐
3. Level/year at which this course is offered: 2nd year
4. Pre-requisites for this course (if any)**: Block 1.2**
5. Co-requisites for this course (if any)**: Professional development and progress of knowledge**

6. Mode of Instruction (mark all that apply)

No	Mode of Instruction	Contact Hours	Percentage
1	**Traditional classroom**	92	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**	68
2	**Laboratory/Studio**	19
3	**Tutorial**	
4	**Others** (specify)	
	Total	87
Other Learning Hours*		
1	**Study**	80
2	**Assignments**	10
3	**Library**	
4	**Projects/Research Essays/Theses**	
5	**Others** (specify)	
	Total	90

***** 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 –
   a) To learn about the various diseases related to orbit and extracocular muscles.
   b) To learn about diseases affecting consciousness including epilepsy along with neurological infections and white matter diseases.
   c) To learn about adult mental health diseases.
   d) To explore various diseases affecting the upper part of airways, swallowing and speech.

e) To develop communication skills and professional development.

2. Course Main Objective –

At the end of the course, the students will be able to –

a) Describe the normal structure and function of Brain stem, cranial nerves, pharynx, larynx, nasal cavity, paranasal sinuses and extra ocular muscles, limbic system, hypothalamus and biogenic amines.
b) Describe the basic biological and physiological processes and their dysregulation related to Control of ocular motility and pupillary light reflex, auto regulation of cerebral blood flow, mechanism of swallowing and conditions of clear voice**.**
c) Describe the etiology, epidemiology, and pathophysiological mechanism, investigation and treatment of Common adult psychiatric disorders including disorders associated with consciousness.
d) Describe the etiology, epidemiology, and pathophysiological mechanism, investigation and treatment of Common nasal, paranasal, laryngeal, pharyngeal disorders including disorders associated with facial nerve
e) Describe the etiology, epidemiology, and pathophysiological mechanism, investigation and treatment of the different neurological diseases like disorders of the white matter, CNS infections and seizure disorders
f) Describe the etiology, epidemiology, and pathophysiological mechanism, investigation and treatment of different disorders affecting the motility of the eyes.
g) Demonstrate the necessary communication skills to communicate the diagnosis and the treatment.
h) To demonstrate their skills to use various statistical tools taught in block 2.2.

3. Course Learning Outcomes

CLOs		Aligned PLOs
1	**Knowledge:**	
1.1	Describe the normal structure and function of Brain stem, cranial nerves, pharynx, larynx, nasal cavity, paranasal sinuses and extra ocular muscles, limbic system, hypothalamus and biogenic amines.	K1
1.2	Describe the basic biological and physiological processes and their dysregulation related to Control of ocular motility and pupillary light reflex, auto regulation of cerebral blood flow, mechanism of swallowing and conditions of clear voice	K1
1.3	Describe the etiology, epidemiology, and pathophysiological mechanism, investigation and treatment of Common adult psychiatric disorders including disorders associated with consciousness.	K2
1.4	Describe the etiology, epidemiology, and pathophysiological mechanism, investigation and treatment of Common nasal, paranasal, laryngeal, pharyngeal disorders including disorders associated with facial nerve	K2
1.5	Describe the etiology, epidemiology, and pathophysiological mechanism, investigation and treatment of the different neurological diseases like disorders of the white matter, CNS infections and seizure disorders	K2

CLOs		Aligned PLOs
1.6	Describe the etiology, epidemiology, and pathophysiological mechanism, investigation and treatment of different disorders affecting the motility of the eyes.	K2
2	**Skills :**	
2.1	Analyze health problems in a systematic manner by asking for relevant history to find out the different symptoms and signs of presentation of illnesses (psychiatric, neurological and ENT disorders), its etiological relationship to come to a relevant diagnosis based on problem based learning.	S1
2.2	Perform a focused general and Specific physical examination along with mental state examination using simulated patient software to finally come to some diagnosis.	S1
2.3	Demonstrate a professional behaviour in respect to all individuals inside the course program and outside but related to the course activities.	S3
2.4	Demonstrate the necessary communication skills to communicate the diagnosis and the treatment.	S3
2.5	Demonstrate abilities of searching information in the internet and exchanging information with his/her peers and present information clearly in written, electronic and oral forms.	S5
3	**Competence:**	
3.1	Appraise honesty and integrity in all interactions with teacher, colleagues, patients and others with whom they will communicate.	C4
3.2	Evaluate personal work and be able to reflect on various mechanisms. Ability to give feedback and deal with ignorance and defects, self-awareness.	C4
3.3	Use a learning behaviour & show eagerness to extract knowledge from every possible source.	C4

C. Course Content

No	List of Topics	Contact Hours
Lectures		
1	Introduction to the block	**5**
2	Anatomy (Brain stem and cranial nerves, Orbit and extraocular muscles)	**4**
3	Consciousness and CNS trauma	**2**
4	Ophthalmology (disorders of ocular motility and pupil)	**5**
5	Anatomy (upper Airways)	**4**
6	Diseases involving the upper airways (ENT)	**7**
7	Physiology of the hypothalamus and limbic system	**2**
8	Adult psychiatric disorders	**24**
9	Neurology (CNS infections, White matter diseases and epilepsy)	**15**
Workshops		
10	Communications skills training sessions	**4**
11	Tutor sessions	**10**
12	Anatomy workshops	**4**
13	Pharmacology workshop	**1**

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**		
1.1	Describe the normal structure and function of Brain stem, cranial nerves, pharynx, larynx, nasal cavity, paranasal sinuses and extra ocular muscles, limbic system, hypothalamus and biogenic amines.	Lectures Workshops	MCQ, OSPE Oral exam
1.2	Describe the basic biological and physiological processes and their dysregulation related to Control of ocular motility and pupillary light reflex, auto regulation of cerebral blood flow, mechanism of swallowing and conditions of clear voice	Lectures Workshops	MCQ, Anatomy OSPE, Oral exam
1.3	Describe the etiology, epidemiology, and pathophysiological mechanism, investigation and treatment of Common adult psychiatric disorders including disorders associated with consciousness. Demonstrate the necessary communication skills to communicate the diagnosis and the treatment. To demonstrate their skills to use various statistical tools taught in block 2.2.	Lectures Workshops Tutor sessions	MCQ, Oral exam, Tutor groups assignments
1.4	Describe the etiology, epidemiology, and pathophysiological mechanism, investigation and treatment of Common nasal, paranasal, laryngeal, pharyngeal disorders including disorders associated with facial nerve	Lectures Workshops Tutor sessions	MCQ, Oral exam, Tutor groups assignments
1.5	Describe the etiology, epidemiology, and pathophysiological mechanism, investigation and treatment of the different neurological diseases like disorders of the white matter, CNS infections and seizure disorders	Lectures Workshops Tutor sessions	MCQ, Oral exam, Tutor groups assignments
1.6	Describe the etiology, epidemiology, and pathophysiological mechanism, investigation and treatment of different disorders affecting the motility of the eyes.	Lectures Workshops Tutor sessions	MCQ, Oral exam, Tutor groups assignments

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
2.0	**Skills**		
2.1	Analyze health problems in a systematic manner by asking for relevant history to find out the different symptoms and signs of presentation of illnesses (psychiatric, neurological and ENT disorders), its etiological relationship to come to a relevant diagnosis based on problem based learning.	Lectures Tutor sessions CST sessions	Oral exams, Tutor groups assignments, CST
2.2	Perform a focused general and Specific physical examination along with mental state examination using simulated patient software to finally come to some diagnosis.	Lectures Workshops Tutor sessions CST sessions	MCQ Tutor groups assignments, CST Oral exams
2.3	Demonstrate a professional behaviour in respect to all individuals inside the course program and outside but related to the course activities.	Lectures Tutor sessions	MCQ Tutor groups assignments
2.4	Demonstrate the necessary communication skills to communicate the diagnosis and the treatment.	Lectures Workshops Tutor sessions CST sessions	Oral exams, CST Tutor groups assignments,
2.5	Demonstrate abilities of searching information in the internet and exchanging information with his/her peers and present information clearly in written, electronic and oral forms.	Workshops Tutor sessions CST sessions	-as above-
3.0	**Competence**		
3.1	Appraise honesty and integrity in all interactions with teacher, colleagues, patients and others with whom they will communicate.	Workshops Tutor sessions CST sessions	Oral exams CST Tutor groups assignments

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
			Anatomy OSPE Statistics workshop and exam
3.2	Evaluate personal work and be able to reflect on various mechanisms. Ability to give feedback and deal with ignorance and defects, self-awareness.	Workshops Tutor sessions CST sessions	-as above-
3.3	Use a learning behaviour & show eagerness to extract knowledge from every possible source.	Workshops Tutor sessions CST sessions	-as above-

2. Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Tutor group assignments: student will practice different roles during the course (Chairman, secretary, a case presenter, patient reporter and feed backer). Each week assigned student will introduce power point presentation and construct referral letter to specialist.	According to regulation forms During the whole course	**9 %**
2	Oral exam: Each student is given 2 assignments The first is an assignment (related to the studied materials in the block) to answer questions orally The second assignment is preparation of 6 step treatment plan and conduct diagnostic and treatment consultation The preparation period is 45minutes each for both assignments. Then the student is assessed in 2 oral exam sessions. The first is an assignment oral exam (5%): the student is assessed by one examiner (a tutor). The second assignment oral exam (10%) is assessed by a another tutor (5%) and a CST trainer (5%).	9th week of the block	**15 %**
3	Continuous practical assessment: The student is assessed of performing assignments related to workshops and practical sessions and OSPE	During the whole course	**7.5%**

#	Assessment task*	Week Due	Percentage of Total Assessment Score
4	Communication skills sessions continuous assessment	During the whole course	5.5 %
5	Final anatomy (3%): an OSPE	Week 8	3%
6	**Written (midblock and final) exam** Scientific material related to all weeks **All questions are MCQ**	9th week	60%

***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. Geddes. Psychiatry, 4th edition, Oxford university press. 2. Mumenthaler. Fundamentals of neurology : An Illustrated Guide. Thieme. 3. Skolnik. Essentials of global health, 1st edition. 4. Jorde. Textbook of medical genetics, 4th edition. 5. Hengeveld. English translation of leerboek psychiatry 6. Lang. Ophthalmology: "a pocket textbook atlas", 2nd edition. 7. Behrbohm: Ear nose and throat. 8. British national formulary 61st edition. 9. Singer & Viens (2008) the Cambridge Textbook of Bioethics. 10. Veening, Gans & Kuks (2009). Medial Consultation. 11. Keith Moore. Clinically Oriented Anatomy (7th Edition) 12. Guyton (2011), Medical Physiology.
Essential References Materials	**Elective material:** Baranzini SE. Revealing the genetic basis of multiple sclerosis: are we there yet?. *Curr Opin Genet Dev*. 2011;21(3):317-324. doi:10.1016/j.gde.2010.12.006 Kaare Christensen, M.D., Ph.D., and Jeffrey C. Murray, M.D. What Genome-wide Association Studies Can Do for Medicine. New England Journal of Medicine 356(11):1094-7 · April 2007
Electronic Materials	

Other Learning Materials	- Student manual. - Tutor manual. - Communication skills manual - Practical manuals

2. Facilities Required

Item	Resources
Accommodation (Classrooms, laboratories, demonstration rooms/labs, etc.)	Auditorium: For theme lectures on the male side and Hall 1 on the female side as the lectures were conducted separately for male and female. It is equipped with computer and data show and all requirements for lecturing.
Technology Resources (AV, data show, Smart Board, software, etc.)	13 small rooms (in male section) for male students And 13 small rooms (in female section) for female students. Each room is equipped with the following: 1. A big table. 2. 12 chairs. 3. White board and related required material. 4. Computer and data show. 5. Internet facilities. 6. Flip chart. 7. Small table. 8. Cupboard, blank papers, pens, pencils.
Other Resources (Specify, e.g. if specific laboratory equipment is required, list requirements or attach a list)	Labs (anatomy, histology, pharmacology and computer) equipped with microscopes and computers. Study material: Anatomy specimens, Histological sections ….etc.

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

Evaluation Areas/Issues	Evaluators	Evaluation Methods
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 of learning 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