

Kingdom of Saudi Arabia

**The National Commission for Academic Accreditation &
Assessment**

COURSE REPORT

CNS Block

Neuropsychiatry & Special Senses

1433- 1434 (2012-2013)

To be completed by course instructors at the end of each course and given to program coordinator.

If the course is taught in more than one location the course report should be prepared for each location by the course instructors responsible for the course in each location. A combined report should be prepared by the course coordinator and the separate location reports attached.



Course Report

For guidance on the completion of this template, refer to Section 2.5 of Chapter 2 in Part 2 in this Handbook

Institution	King Saud University
College/ Department	College of Medicine

A Course Identification and General Information

1- Course title and code. Neuropsychiatry & Special Senses BLOCK Code: Neuro-psych 222
2- If course is taught in more than one section indicate the section to which this report applies
3- Year and semester to which this report applies. (1433-1434) 2012/2013
4 Location (if not on main campus) Main Campus

B- Course Delivery

1 Coverage of Planned Program			
Topic	Planned Contact Hours	Actual Contact Hours	Reason for Variations if there is a difference of more than 25% of the hours planned
ANATOMY & EMBRYOLOGY:			
Organization of the CNS	1	1	
Anatomy of the spinal cord	1	1	
Brachial plexus and radial nerve	1	1	
Embryological development of the spinal cord and vertebral column	1	1	
Sensory tracts	1	1	
Median and ulnar nerves	1	1	
Sacral plexus, sciatic nerve and femoral nerve	1	1	
Anatomy of brainstem	1	1	
Internal structures of the brainstem	1	1	
Anatomy of cranial nerve 9 & 10	1	1	
Anatomy of cranial nerve 11 & 12	1	1	
Anatomy of the ear	1	1	
Cranial nerve number 8	1	1	



Cranial nerves: 2,3,4 and 6	1	1	
Anatomy of the nose and olfactory nerve	1	1	
Nerve supply of the face (cranial nerves 5&7)	1	1	
Anatomy of the cerebellum and the relevant connections	1	1	
Anatomy of the cerebral hemispheres	1	1	
Cerebral blood circulation (arteries and veins)	1	1	
Embryology of cerebral hemisphere and cerebellum	1	1	
Anatomy of the basal ganglia and connections	1	1	
Anatomy of the limbic system and thalamus	1	1	
Anatomy of the meninges, CNS cavities and CSF circulation	1	1	
Practicals of Anatomy:			
Dermatomes, myotomes and surface anatomy	2	2	
Brainstem and cranial nerves	2	2	
Brachial plexus and lumbosacral plexus	2	2	
Cerebellum and cranial nerves 5-12	2	2	
Spinal cord (Histology practical)	2	2	
Radiology & anatomy of cerebral hemispheres	2	2	
HISTOLOGY:			
Normal cells of the CNS	1	1	
Spinal cord (practical)	2	2	
PHYSIOLOGY:			
Physiology of synapses and receptors	1	1	
Anatomy and physiology of sympathetic nervous system	1	1	
Anatomy and physiology of the parasympathetic nervous system	1	1	
Spinal cord functions and reflexes	1	1	
Physiology of motor tracts	1	1	
Stretch reflex and tendon jerks	1	1	
Physiology of pain	1	1	
Physiology of the brainstem	1	1	
Physiology of hearing	1	1	
Physiology of the eye and refraction	1	1	
Photo transduction in light and dark	1	1	
Physiology of color vision	1	1	
Vision, accommodation and the light pathways and effects of lesions	1	1	
Pathways of proprioception	1	1	
Physiology of taste and smell	1	1	
Physiology of proprioceptors in balance	1	1	
Introduction to the cerebellum and 8th cranial nerve	1	1	
Physiology of the inner ear	1	1	
Physiology of the cerebellum	1	1	

Physiology of postural reflexes	1	1	
Physiology of sleep	1	1	
Functions of cerebral hemisphere	1	1	
Physiology of brain transmitter	1	1	
Physiology of speech	1	1	
Autoregulation of cerebral blood flow	1	1	
Upper and lower neuron lesions	1	1	
Spasticity and increased muscle tone	1	1	
Physiology of consciousness	1	1	
Physiology of basal ganglia and regulatory mechanisms	1	1	
Pain modulation	1	1	
Ageing and changes in the brain	1	1	
Practical of Physiology:			
EMG/nerve conduction	2	2	
Audiometry	2	2	
PATHOLOGY:			
Pathology of brain tumours - I	1	1	
Pathology of brain tumours – II	1	1	
Pathology and pathogenesis of multiple sclerosis	1	1	
Pathogenesis and risk factors of cerebrovascular accidents-I	1	1	
Pathogenesis and risk factors of cerebrovascular accidents-II	1	1	
Introduction to degenerative brain diseases	1	1	
Congenital malformations and hydrocephalus	1	1	
Pathology of meningitis and its complication	1	1	
Pathological aspects of trauma and cellular aspects of injury	1	1	
Practicals of Pathology:			
Neuropathology - I	2	2	
Neuropathology - II	2	2	
MICROBIOLOGY:			
Microbiology of middle ear infection	1	1	
Microbiology of acute pyogenic meningitis	1	1	
Viral infections of the CNS	1	1	
Fungal infections of the CNS	1	1	
Cerebral TB and other chronic cerebral infections	1	1	
Cerebral malaria	1	1	

BIOCHEMISTRY:			
Biochemistry of myelin	1	1	
Vitamin A	1	1	

Pathogenesis of cerebral infarction at cellular and molecular levels	1	1	
Biochemical aspects of Alzheimer	1	1	
Vitamin B1 and B6	1	1	
Biochemical aspect of CSF	1	1	
Vitamin B6 & B12	1	1	
Practical of Biochemistry:			
Biochemical aspect of CSF	2	2	
PHARMACOLOGY:			
Pharmacology of central neurotransmitters	1	1	
Drugs related to balance system	1	1	
Drugs used in epilepsy -I	1	1	
Drugs used in epilepsy -II			
Drugs used in anxiety and panic disorders	1	1	
Drugs used in management of pain	1	1	
Drugs used in headache and migraine	1	1	
Drugs used in schizophrenia	1	1	
Drugs used in parkinsonism	1	1	
Drugs used in depression – old groups	1	1	
Drugs used in depression – new groups	1	1	
Drugs used in meningitis	1	1	
Alcohol and the brain	1	1	
NEUROLOGY:			
Introduction to the balance system	1	1	
Epilepsy	1	1	
Understanding the physiological basis of speech disorders	1	1	
Delirium vs dementia	1	1	
Neuro-surgery	1	1	
Head injuries in Saudi Arabia: incidence, mechanisms and causes	1	1	
PSYCHIATRY:			
Introduction to neuropsychiatric disorders	1	1	
Depression	1	1	
Schizophrenia	1	1	

RADIOLOGY:			
Spinal cord	1	1	
Radiology of brain stem and cerebellum	1	1	
Radiology of cerebral hemisphere	1	1	
CLINICAL MEDICINE:			
Examination of sensory system	2	2	

Motor Examination	2	2	
Clinical examination of cranial nerves	2	2	
Examination of the motor system and reflexes	2	2	
PROFESSIONALISM:			
Introduction to the course & overview of professionalism	1	1	
Definition and key elements of professionalism	2	2	
Accountability and professional responsibilities	2	2	
Initiative, integrity and trustworthiness	2	2	

2. Consequences of Non Coverage of Topics –NONE-

For any topics where significantly less time was spent than was intended in the course specification, or where the topic was not taught at all, comment on how significant you believe the lack of coverage is for the program objectives or for later courses in the program, and suggest possible compensating action if you believe it is needed.

Topics (if any) not Fully Covered	Significance of Lack of Coverage	Possible Compensating Action Elsewhere in the Program

3. Effectiveness of Planned Teaching Strategies for Intended Learning Outcomes set out in the Course Specification. (Refer to planned teaching strategies in Course Specification and description of Domains of Learning Outcomes in the National Qualifications Framework)

Domains	List Teaching Strategies set out in Course Specification	Were these Effective?		Difficulties Experienced (if any) in Using the Strategy and Suggested Action to Deal with Those Difficulties .
		No	Yes	
a. Knowledge	Small Group Discussion Lectures Laboratories Clinical Skills lab.		Yes	
b. Cognitive Skills	Small Group Discussion Lectures Independent learning		Yes	
c. Interpersonal Skills and Responsibility	Real situation Simulation Small group discussion		Yes	
d. Numerical and Communication Skills	Small group sessions Computer and other audiovisual equipments training		Yes	
e Psychomotor Skills (if applicable)	Practical: Training Clinical Skills Lab		Yes	



4. Summarize any actions you recommend for improving teaching strategies as a result of evaluations in table 3 above.

- **Faculty Development Activities specially frequent small group teaching workshop**

C. Results of 2012-2013

1 Number of students starting the course:	283
2 Number of students completing the course:	282

3 Distribution of Grades (If percentage marks are given indicate numbers in each 5 percentile group)

	No		%	No	%	No
A		OR	95-100	46	70-74	18
B			90-94	60	65-69	11
C			85-89	65	60-64	14
D			80-84	45	< 60	2
F			75-79	21	withdrawn	1
Denied Entry			Denied Entry			
In Progress			In Progress			
Incomplete			Incomplete			
Pass			Pass			280
Fail			Fail			2
Withdrawn			Withdrawn			1

4 Result Summary:

Passed:	No	280	Percent	98.9%	Failed	No	2	Percent	0.7 %
Did not complete	No	1	Percent	0.4%	Denied Entry	No		Percent	

5 Special factors (if any) affecting the results

-NONE-



6. Variations from planned student assessment processes (if any) (See items C 4 and 5 in the Course Specification.)	
a. Variations (if any) from planned assessment schedule (C5 in Course Specification)	
Variation	Reason
b. Variations (if any) from planned assessment processes in Domains of Learning (C4 in Course Specification)	
Variation	Reason

7 Verification of Standards of Achievement (Eg. check marking of a sample of papers by others in the department. See G4 in Course Specification) (Where independent report is provided a copy should be attached.)	
Method(s) of Verification	Conclusion
<ol style="list-style-type: none"> Optical marking or analysis done twice. Statistical analysis; looking at difficulty & disseminating indices. Revision of question having high difficulty or / and negative difficulty indices. All marks are rechecked by examination committee members. 	Accurate and reliable results

D Resources and Facilities

1. Difficulties in access to resources or facilities (if any) <p style="text-align: center;">-NONE-</p>	2. Consequences of any difficulties experienced for student learning in the course.
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E. Administrative Issues

1 Organizational or administrative difficulties encountered (if any) <p style="text-align: center;">-NONE-</p>	2. Consequences of any difficulties experienced for student learning in the course.
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F Course Evaluation

1 Student evaluation of the course: (Survey Results Attached) <ul style="list-style-type: none"> The students are satisfied with most of items in the survey. The students are moderately satisfied with items related to <u>practical sessions</u> , <u>exam questions</u> (same as last year) and <u>the conduct of the block</u>. The students complained of lectures organization (same as last year). 62.9% are happy with the course in general vs 60.5% last year.



a List the most important criticisms and strengths:

STRENGTHS:

- **The topics of the lectures were very interesting.**
- **The time of this course was enough to study and read from books.**
- **The clinical examination sessions.**
- **PBL Sessions.**

IMPORTANT CRITICISMS:

- **The enormous amount of lectures in a relatively short time.**
- **The lectures are not taken by sequence especially in physiology were not in the right order.**
- **Anatomy practical and Radiology.**
- **The time of the practical exam and PBL exam wasn't reasonable.**

The students suggested:

- **Duration of this block should be longer with less lectures in each day.**
- **Rearranging the lectures especially anatomy and physiology.**
- **Organize the lectures in the right sequence.**
- **Add the anatomy of the skull lecture to the curriculum.**

Suggestions of the AQU:

In spite of the course achieved the required 4 stars level, the academic quality unit suggests:

- **To address the repeated unsatisfactory points.**
- **Blueprinting of the exam is mandatory.**

b Response of instructor or course team to this evaluation

The overall student's performance is excellent; the passing percentage is 97.9%. 46 students obtained A+, 60 students obtained A and most of the remaining students also achieved very good grades.

2. Other Evaluation -- What evaluations were received?

Specify and attach reports where available. (eg. By head of department, peer observations, accreditation review, other stakeholders etc):

The chairman of the block got the frequent and regular feedback from the students and discussed the related issues.

a List the most important criticisms and strengths

b Response of instructor or course team to this evaluation



G Planning for Improvement

1. Progress on actions proposed for improving the course in previous course reports:		
<p>Actions proposed in the most recent previous course report(s)</p> <p>The Chairman and the members of the block conducted three meeting in May-June 2012, discussed the actions required.</p> <p>It was suggested that, the chairman will:</p> <ul style="list-style-type: none"> - make sure that the schedule of the CNS block contents along with aim and objectives are timely distributed among all the concerned departments as well as the students. - regularly monitor the classes, practicals, PBL sessions and will conduct weekly meetings with faculty as well as class representative regarding the smooth running of the block. - visit the classes from time to time and get feedback from all students for the sack of improvement. 	<p>State whether each action was undertaken, the impact, and if the proposed action was not undertaken or completed, give reasons.</p> <p>Keeping in view the current feedback, the chairman of the block will conduct 2-3 meetings in May 2013 and will discuss the feedback with the committee members regarding the block. All the block members will review the entire contents, aims and objectives of the block.</p>	
<p>2. Other action taken to improve the course this semester/year</p> <p>Provide a brief summary of any other action taken to improve the course and the results achieved. (For example, professional development for faculty, modifications to the course, new equipment, new teaching techniques etc.)</p> <p style="text-align: center;">None</p>		
3. Action Plan for Next Semester/Year		
<p>Actions Required</p> <p>1- Meetings with block committee members</p> <p>2- Feedback from committee members and students</p> <p>3. Review the contents, aims and objectives and execution of the course</p>	<p>Completion Date</p> <p>Work to be completed before the application of the block in next year</p> <p style="text-align: center;">2013-2014</p>	<p>Person Responsible</p> <p>Block Coordinators</p>
4. Recommendations to Program Coordinator (if Required)		
<p>(Recommendations by the instructor to the program coordinator if any proposed action to improve the course would require approval at program, department or institutional level or that might affect other courses in the program.).</p> <p>- More cooperation is needed between the Departments to further improve the learning</p>		

Name of Course Instructor: **Prof. Sultan Ayoub Meo**



Signature: _____

