

Al –Balqa' Applied University

Course Syllabus

Course Name:

Course Syllabus of Neurology



1	Course title	course syllabus of Neurology
2	Course number	
3	Credit hours	?? hours
	Contact hours	Theory and Clinical
4	Course meeting time Course location	
5	Program title	Doctor of Medicine
7	Awarding institution	The Al-Balqa' University
8	Faculty	faculty of Medicine
9	Department	Medicine
10	Level of course	4th year medical students
11	Year of study and semester (s)	2019/2020 First semester
12	Final Qualification	MD degree
13	Other department (s) involved in teaching the course	Neurosurgery
14	Language of Instruction	English
15	Date of production/revision	09/2019

Course Coordinator:

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Office Hours: ??



Course Description:

Four-week neuroscience course including two-weeks neurology course containing 8 lectures/seminars about major topics in neurology, ward teaching rounds, attendance of neurology clinics and application of neurological examination on patients with case sheets preparation, and a two-week neurosurgery course including major topics in neurosurgery.

Intended Learning Outcomes (ILOs):



At the end of the course, students should acquire the basic principles of clinical neurophysiology and neuroanatomy , in addition to major topics in neurosciences (neurology and neurosurgery), decision making and problem solving in neurology :

A- Aims: * Basic training in clinical neurology. * Understand principles of management and medical care of neurosurgery patients.

B- Intended Learning Outcomes (ILOs): Upon successful completion of this course students will be able to ...

1. The students should be able to take an appropriate history and do a proper neurological examination;
2. The students should be able to know how to use and interpret investigations in neurology;
3. By attending neurology clinics, the students should be able to know how to approach a patient in a neurology
4. The students should be able to learn the major topics in neurology.
5. The students should be able to identify neurological disorders that are best treated by neurosurgery.
6. The students should be aware of the best neurosurgical techniques and postoperative care.
7. The students should be able to identify the appropriate methods of investigation of major neurosurgical disorders of the peripheral and central nervous system.
8. The students should be able to use information technology in learning and practice of medicine.
9. The students should be able to communicate with patients and other colleagues.
10. The students should be able to learn to work with others in the team in neurology and neurosurgery.
11. The students should be able to develop the capacity of life-long self-learning.
12. The students should be able to develop the capacity of appreciating issues Regarding Patient Safety and Privacy.



Topic Outline Clinical Neurology

1. Principles of Clinical Neurology.
Neuro-anatomy, Neuro-physiology.
 - a. Anatomical organization of the nervous system.
 - b. Physiological organization of the nervous system.
2. Cerebrovascular Disorders.
3. Epilepsy and loss of Consciousness.
4. Headache Syndromes.
5. Movement disorders.
6. Inflammatory, demyelinating diseases and Multiple sclerosis.
7. Nervous system infection.
8. Peripheral nervous system.
9. Muscle diseases.

In addition, seminars in neurosurgery during the 2 week period in neurosurgery department include the following:

1. Head and spinal injury
2. Hydrocephalus and spina bifida
3. Brain and Spinal cord tumours
4. Intracranial Hypertension
5. Subarachnoid haemorrhage
6. Functional neurosurgery



Teaching Methods and Assignments:

Two-week rotation in the neurology section: Development of ILOs is promoted through the following teaching and learning methods:

1. Lectures/seminars, teaching ward rounds, attendance of neurology clinics, case sheet preparation.
2. Two-week rotation in the neurosurgery department.

Evaluation Methods:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

1. Evaluation sheets at end of rotation with the following division of marks: 20% attendance
2. 15% case sheet preparation,
3. 50% general performance
4. 15 % attendance of neurology lectures during this 2-week -rotation.

Evaluation sheets at the end of rotation in neurosurgery. All for 20% of total mark.

OSCE Exam (4 Stations, 2 Neurology, 2 Neurosurgery) at the end of 4 week rotation (30%)

3. Final Written Exam at End of Year (50%)



Course Policies:

Attendance policies:

- A. Strict attendance: evaluation sheets are signed daily in the neurology rotation on an hourly basis (20% of the total marks of the rotation).
- B. Absences from exams and handing in assignments on time: Absence of preparing case sheets leads to a loss of 15% of the total mark of the neurology training course (but NOT of the total mark of the OSCE and written final exams).
- C. Health and safety procedures:
- D. Honesty policy regarding cheating, plagiarism, misbehaviour:
- E. Grading policy:
- F. Available university services that support achievement in the course: Lecture rooms, clinics, wards, neurophysiology department.

Required equipment:

Lecture rooms with data show projection.

References:

Lecture Notes Neurology Ninth Edition	Lionel Ginsberg 2010
Macleod's Clinical Examination 13 th Edition	Graham Douglas Fiona Nicol Colin Robertson
Davidson's Principles & Practice of Medicine 21 st Edition	Nicki R Colledge Brian R Walker Stuart H Ralston