Republic of Iraq
Ministry of Higher Education & Scientific Research
Supervision and Scientific Evaluation Directorate
Quality Assurance and Academic Accreditation
International Accreditation Dept.

Academic Program Specification Form For The Academic Year 2020-2021

Universitiy: Baghdad
College : Al-kindy College of Medicine
Number Of Departments In The College :
Date Of Form Completion : 20-1-2021

Dean's

Date : 25/1/2021

Signature

Dean's Assistant For Scientific Affairs

Date : 25/1/2021
Signature

The College Quality Assurance And University Performance Manager
Date : 25/1/2021
Signature

Quality Assurance And University Performance Manager
Date : 25 / 1 / 2021
Signature

TEMPLATE FOR PROGRAMME SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

PROGRAMME SPECIFICATION

This Program Specifications provides a brief summary of the major program features and learning outcomes that a typical student may be reasonably expected to achieve and demonstrate whether she/ he taking full advantage of the learning opportunities provided. It is supported by a specification for each course that contributes to the program.

1. Teaching Institution	Al-Kindy Medical college
2. University Department/Centre	University of Baghdad
3. Program Title	**Nervous System and Special Senses Module** (1st semester)
4. Title of Final Award	Bachelor in Medicine and General Surgery
5. Modes of Attendance offered	Lectures, tutorials and practical
6. Accreditation	The Higher Accreditation Program of Iraqi Medical Colleges, supervised by the Ministry of Higher Education and WHO
7. Other external influences	None
8. Date of production/revision of this specification	*24/1/2021*
9. Aims of the Program	

- Teach students the basics of neurological diseases.
- Teach students the integration of basic knowledge of neuroscience.
- To provide students with information regarding applying their knowledge to clinical conditions
- This includes neuroscience basics from the anatomy, histology, embryology, microbiology, biochemistry, neurophysiology, pharmacology and pathology.

10. Learning Outcomes, Teaching, Learning and Assessment Methods

A- Knowledge and Understanding

At the end of the module, the student shall be able to:

A1. Awareness of basics of common neurological and neurosurgical diseases
A2. Ability to integrate information from different discipline regarding neuroscience
A3. Ability to control diarrheal disease in children by oral rehydration therapy
A4.Ability to enhance breast feeding in the community

B. Subject-specific skills

B1. Ability to recognize different macroscopical and microscopical anatomical parts of nervous system
B2. Ability to distinguish different microbiological agents affectinf nervous system
B3.Ability to perform related biochemical tests
B4. Ability to integrate information of different involved diciplines

Teaching and Learning Methods

1- Lectures.
2- Small group teaching
3- Seminars.
4- Tutorials
5- Practical labs
6- Self-directed learning

Assessment methods

1-End module Written Exam
2-OSPE
3-attitude, logbook, end module test, final year test, examination

C. Thinking Skills

C1. To equip themselves for teamwork.

C2. Develop communication skills and etiquette with sense of responsibility.

C3. Interpretation of laboratory data

Teaching and Learning Methods

1- Lectures.
2- Small group teaching
3- Seminars.
4- Tutorials
5- Practical labs
6- Self-directed learning

Assessment methods

1- Data interpretation

2- practical assessment

D. General and Transferable Skills (other skills relevant to employability and personal development)

D1.communication skills

D2. Health promotion packages

Teaching and Learning Methods

1- Being a member of research team
2- Knowledge component assessment in form of Theory examination

Skill component assessment through log book assessment and practical Examination Attitude component assessment by special assessment format

The examinations scheduled at the end of each semester as Progress test and the whole year assessed by the End of Year Examination

Assessment Methods

Log book				
11. Program Structure				12. Awards and Credits
Level/Year	Course or Module Code	Course or Module Title	Credit rating	
3rd Yeae		**Nervous System**	7	

13. Personal Development Planning
1.
14. Admission criteria.
Candidate from central admission to the Ministry of Higher Education
15. Key sources of information about the program

1- Al-Kindy College of Medicine
2- Ministry of Higher Education and Scientific Research

Curriculum Skills Map

please tick in the relevant boxes where individual Program Learning Outcomes are being assessed

				Program Learning Outcomes															
Year / Level	Course Code	Course Title	Core © Title or Option (O**)**	Knowledge and understanding				Subject-specific skills				Thinking Skills				General and Transferable Skills (or) Other skills relevant to employability and personal development			
				A1	**A2**	**A3**	**A4**	**B1**	**B2**	**B3**	**B4**	**C1**	**C2**	**C3**	**C4**	**D1**	**D2**	**D3**	**D4**
Third Year		Nervous System	**Essentia**	**x**	**x**	**x**	**x**	**X**	**x**	**X**		***x***	***x***			***x***	**x**		

TEMPLATE FOR COURSE SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification.

1. Teaching Institution	Al-Kindy college of Medicine
2. University Department/Centre	University of Baghdad
3. Course title/code	NEUROSCIENCE MODULE GUIDE/Year III
4. Program(s) to which it contributes	Bachelor in Medicine and General Surgery
5. Modes of Attendance offered	Lectures, seminars, tutorials, practical & SDL
6. Semester/Year	Third year
7. Number of hours tuition (total)	76 h theory/ 38 h practical
8. Date of production/revision of this specification	24/1/2021
9. Aims of the Course	
- Teach students the basics of neurological diseases.	
- Teach students the integration of basic knowledge of neuroscience.	
- To provide students with information regarding applying their knowledge to clinical conditions	
- This includes neuroscience basics from the anatomy, histology, embryology, microbiology, biochemistry, neurophysiology, pharmacology and pathology.	

10· Learning Outcomes, Teaching ,Learning and Assessment Method

A- Knowledge and Understanding

At the end of the module, the student shall be able to:

A1. Awareness of basics of common neurological and neurosurgical diseases
A2. Ability to integrate information from different discipline regarding neuroscience
A3. Ability to control diarrheal disease in children by oral rehydration therapy
A4.Ability to enhance breast feeding in the community

B. Subject-specific skills

B1. Ability to recognize different macroscopical and microscopical anatomical parts of nervous system
B2. Ability to distinguish different microbiological agents affectinf nervous system
B3.Ability to perform related biochemical tests
B4. Ability to integrate information of different involved diciplines

Teaching and Learning Methods

Assessment methods

1- Written examination
2-Log book.
3-practical assessment

C. Thinking Skills

C1. To equip themselves for teamwork.
C2. Develop communication skills and etiquette with sense of responsibility.
C3. Interpretation of laboratory data

Teaching and Learning Methods

Lectures.
Small group teaching
Seminars.
Tutorials
Practical labs
Self-directed learning

Assessment methods

1-End module Written Exam
2-OSPE
3-attitude, logbook, end module test, final year test, examination

D. General and Transferable Skills (other skills relevant to employability and personal development)

D1.Ethics and values

D2.Communication skills

D3.Health promotion packages

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11. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	1		Spinal cord	Lecture	Attitude Quizzes
1	1		Brainstem	Lecture	
1	1		Cerebellum	Lecture	
1	1		Histology of Nervous tissue	Lecture	
1	1		Histology of Nervous system	Lecture	
1	1		Embryology of Nervous S.	Lecture	
1	1		Histology of Ear and Eye	Lecture	
1	1		vision and hearing	Lecture	
1	1		Pain	Lecture	
2	1		Cerebrum (General appearance) and cortical area	Lecture	
2	1		Cerebrum (Internal structure)	Lecture	
2	1		Autonomic NS	Lecture	
2	1		Ventricular System	Lecture	
2	1		Introduction to Autonomic nervous system	Lecture	
2	1		Sympathetic System	Lecture	
2	1		Parasympathetic System	Lecture	
2	1		Neurotransmitters biosynthesis and function	Lecture	
2	1		Thalamus and Hypothalamus	Lecture	
3	1		Sensory tracts	Lecture	
3	1		Neurotansmitter degradation and re-uptake	Lecture	
3	1		Bacterial Meningitis	Lecture	
3	1		Direct cholinergic agonist	Lecture	
3	1		Indirect cholinergic agonist	Lecture	

3	1		Anticholinergic agents	Lecture	
3	1		Blood supply and meninges of brain and spinal cord	Lecture	
3	1		Reticular formation & Limbic System	Lecture	
4	1		Basal Ganglia	Lecture	
4	1		Spinal Cord and Motor tracts	Lecture	
4	1		Adrenergic Agonist	Lecture	
4	1		B- blockers	Lecture	
4	1		Rabies and poliovirus	Lecture	
4	1		-alpha antagonist	Lecture	
4	1		Parasitic infection of NS	Lecture	
4	1		Viral infections of CNS	Lecture	
4	1		Slow viral disease	Lecture	
5	1		neoplastic lesion of NS	Lecture	
5	1		non neoplastic lesion of NS	Lecture	
5	1		NSAID	Lecture	
5	1		Narcotics analgesics	Lecture	
5	1		Sedatives Hypnotics	Lecture	
5	1		Local anasthesia	Lecture	
5	1		general anasthesia	Lecture	
6	1		Antiepileptic Drugs	Lecture	
6	1		Anti parkinsonian Drugs	Lecture	
6	1		Anti psychotic drugs	Lecture	
6	1		Anti Depressant drugs	Lecture	
6	2		Anatomy of Ear	Lecture	
6	2		Anatomy of Eye	Lecture	
6	1		Microbial infection of ear and eye	Lecture	
1	2		Osteology (skull)	Lab	
1	2		Spinal cord	Lab	
1	2		Histology of Neurons, brain and spinal cord	Lab	
2	2		Brain stem and Cranial nerves	Lab	
2	2		physiology of vision	Lab	

2	2		Cerebrum (surface)	Lab	
3	2		EEG	Lab	
3	2		Diagnosis of Bacterial Meningitis	Lab	
4	2		Cerebrum (Deep)	Lab	
4	2		Cranial nerves examination	Lab	
4	2		Diagnosis of parasitic inf.	Lab	
5	2		Nervous system tumers	Lab	
5	2		Reflexes	Lab	
6	2		Anatomy of ear	Lab	
6	2		Anatomy of orbit	Lab	
2	2		Functional areas of brain	Seminars	
3	2		Memory	Seminars	
3	2		Hepatic encephalopathy	Seminars	
4	2		Thalamus and hypothalamus	Seminars	
5	2		Mysthenia Gravis, immunological aspect	Seminars	
6	2		-Disulfiram like effect	Seminars	
2	1		osteology (vertebral column)	Tutorials	
2	1		Normal Radiography	Tutorials	
3	1		Sleep cycles	Tutorials	
4	1		CSF biochemical Analysis	Tutorials	
5	1		Multiple Sclerosis, Basic aspects	Tutorials	

Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	1. KEITH L. MOORE, ARTHUR F. DALLEY, ANNE AGUR (2009): *Clinically Oriented Anatomy* , Ed. 6. Lippincott Williams & Wilkins. 2. ANTHONY MESCHER (2010): Junqueira's Basic Histology: Text and Atlas, Ed. 12. Kindle Edition. 3. T.W.SADLER (2012): Langman's *Medical Embryology:* Ed.12. Lippincott Williams & Wilkins. 4. Harper's illustrated biochemistry. 28th edition. 5. Lippincot's illustrated biochemistry. 4th edition

	6. Gyton and Hall textbook of medical physiology, 12th ed. 2011 7. Ganong medical physiology, 23 ed. 2011 8. Lippincott Illustrative review in pharmacology, 2012. 9. Bennett Clinical pharmacology, 2011. 10. Katzung: Basic and clinical pharmacology, 2012. 11. Rang and Dale ;Parmacology,2011. 12. Kuby: Immunology. 13. Kumar, Abbas, Aster: Robbins basic pathology.
Special requirements (include for example workshops, periodicals, IT software, websites)	All
Community-based facilities (include for example, guest Lectures , internship , field studies)	Guest lectures